



NEPA Environmental Assessment

**Undeveloped Enhanced Use Lease Site
VA South Texas Veterans Health Care System
Kerrville Division
Kerrville, TX 78028**

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1 EXECUTIVE SUMMARY

This Environmental Assessment (EA) has been completed in compliance with the National Environmental Policy Act of 1970 (NEPA) for property known as the Enhanced Use Lease Property, located on the South Texas Veterans Health Care System (STVHCS) campus, at 3600 Memorial Blvd., Kerrville, Texas 78028, Kerr County Parcel ID 64954. This report was prepared for Emax Financial & Real Estate Advisory Services, LLC, 60 Broad Street, 35th Floor, Suite 3501, New York, New York 10004.

The Enhanced Use Lease (EUL) site is a 5-acre portion of vacant land located in the southeast portion of the approximately 75-acre STVHCS property. The EUL site itself is vacant grassy land with some trees throughout. The remainder of the STVHCS property to the north contains the 39 building medical campus as well as access roads. Surrounding the EUL site to the north is the access road to the STVHCS facilities; to the east another STVHCS access road, Brown Cemetery and the Texas Lions Camp; to the south Memorial Blvd. and commercial properties; and to the west commercial and residential properties. The area itself is zoned for professional offices, personal services and residential use.

The overall surrounding area of the campus is ideal for this housing expansion. It is not only within close proximity of the STVHCS, but is also close to commercial and retail properties that would be of use to the residents of the proposed EUL site development.

This report addressed all components of a NEPA site assessment including wildlife habitat, geology and soil erosion, stormwater runoff, past use of the site, cultural resources and others.

Based on this overall environmental assessment, Stone Environmental recommends that a finding of no significant environmental impact be issued to the site for the proposed use as an EUL property.

2 INTRODUCTION

2.1 Project Background

This NEPA Environmental Assessment is being conducted to evaluate the community and environmental impact of developing an Enhanced Use Lease Development for housing for Veterans and their families on currently undeveloped property located in the southeast portion of the STVHCS property located at 3600 Memorial Blvd., Kerrville, Texas 78028, in Kerr County Parcel 64954. Vicinity and location maps of the site are presented in Figure 1. Kerrville is located approximately 35 miles northwest of San Antonio just off of I-10.

2.2 Purpose

The purpose of this report is to present a discussion of various site attributes to assure compliance with NEPA. The information contained in the report will be sufficient to determine whether an environmental impact statement is required or a Finding of No Significant Impact (FONSI) can be issued to the site.

2.3 Detailed Scope of Services

This NEPA report was developed according to the following scope of services:

- Identify and discuss physical setting factors that pertain to the site such as wetlands and flood plains, soils and geology, hydrology and water quality, and vegetation and wildlife;
- Obtain information about the current site including property description and easements, overall facility aesthetics, air quality, solid waste, transportation and parking, and utilities. Include information regarding the resident population and proposed full-time residents;
- Complete a review of the property including an inventory of all information available about it (including old building plans, proposed improvements, etc.);
- Collect information regarding local community services (police, fire, etc.), land use, noise regulations, documented controversies, and historic preservation issues;
- Develop a matrix summary of the information collected above and create an impact assessment of the proposed improvements along with a determination of the cumulative effect of this improvement to the facility;

- Analyze the identified environmental impacts and develop a detailed description of mitigative measures for any adverse environmental impacts identified. Include a statement of what unavoidable adverse environmental impacts would remain after mitigation.

2.4 Limitations and Exceptions

Stone Environmental prepared this EA report based on information obtained during review of past Phase I ESA reports, interviews, and information that is available as part of the public domain. The information contained in this report is correct to the best of our knowledge. The report represents an effort to collect reasonably ascertainable information about the property and to determine the environmental impact of the proposed new facility on the surrounding area.

3 SITE DESCRIPTION

3.1 Location and Legal Description

The subject property is located within Kerr County, in the southeast portion of Parcel 64954, which is owned by the Veterans Administration and contains the Kerrville Division of the STVHCS. Maps of the parcel and the vicinity are presented in Figures 2 and 3. The property is located on the south side of the City of Kerrville, just to the east of Memorial Blvd., and southeast of the VA Hospital Kerrville Division of the STVHCS facility. The subject site consists of approximately 5-acres of vacant land owned by the Veterans Administration. Figure 4 details the location of the proposed site development and the general vicinity surrounding the property.

3.2 Site and Vicinity General Characteristics

As seen in Figure 2, the subject property is approximately 5-acres of vacant land that is part of Kerr County Parcel 64954, owned by the Federal Government and containing the VA Hospital Kerrville Division of the STVHCS. The STVHCS main campus is located to the north and northwest of the EUL property on the east side of Memorial Blvd. As shown in Figure 3, the subject property itself is an undeveloped lot containing open spaces and some trees. A chain link fence borders the property to the south and east and the Kerrville STVHCS access roads border the site to the west and north. According to the Phase I ESA, conducted by Argo Systems, LLC in 2009, the Southern Pacific Railroad used to run through the site. A gate on the fence and a worn concrete drive are located where the railroad once ran through the eastern portion of the site. The railroad itself has since been removed.

3.3 Current Uses of the Adjoining Properties

The surrounding area consists of the following:

North: Access roads and the Kerrville Division STVHCS facilities;
South: Additional STVHCS undeveloped land and commercial properties;
East: STVHCS access road and Brown Cemetery, a state historic site;
West: Memorial Blvd. and commercial and residential properties beyond.

The closest facility to the subject property is the VA Hospital Kerrville Division of the STVHCS facility. This facility consists of 39 buildings, some of which date back to World War I. This property was owned by the American Legion and transferred to the Veterans Administration in 1925.

3.4 Description of Currently Existing and Proposed Site Improvements

The subject property is currently approximately 5-acres of undeveloped grassy land with some trees. The EUL site is located in the southeast corner of the STVHCS property which totals over 70-acres. A chain-link fence runs along the south and east boundaries of the site and access roads to the Kerrville Division, STVHCS facility border the site to the west and the north.

The proposed EUL site development will be completed in two phases. The first phase will consist of the construction of an approximate 43,073 square foot elderly housing complex consisting of three floors with forty-nine assisted living units as well as a community center with a pool and sundeck. The first phase development will be constructed in the eastern portion of the EUL site. The second phase will be constructed in the southern portion of the site and consists of additional living units. The surrounding property will be developed to include a storm water retention pond on the western portion of the property as well as two paved entrances off of the Kerrville Division, STVHCS access road bordering the site to the north. Parking will be available to the southeast of the phase I portion of the complex and additional parking will be located to the north of the phase II complex. The grounds will be landscaped and existing trees that are located on the eastern and western portions of the site will remain and be integrated into the landscaping. Figure 4 details the proposed site design for the EUL project.

4 ALTERNATIVE EVALUATION

4.1 Development of Alternatives

Alternatives for the proposed EUL development were explored based on the location of the existing site and vicinity, environmental impact of the expansion, as well as the results of the socioeconomic impact of the expansion project. Based on these criteria, the following alternatives were considered:

Alternative 1 - No action;

Alternative 2 - Develop the site in phases as proposed.

Alternative 1 – No Action

This option will be explored in depth to analyze the possible impacts to the site, surrounding vicinity, and community.

Alternative 2 – Develop the Site as Proposed

This alternative will be explored in depth to analyze the potential impacts to the site, surrounding vicinity, and community that can be foreseen with the development of the proposed EUL site. The proposed EUL site development consists of constructing an approximate 43,073 square foot elderly/assisted living complex for veterans. The structure will be built in two phases and consist of three stories with forty nine assisted living units as well as a community center. The grounds surrounding the site will be landscaped to maintain most of the existing trees bordering the site. Two paved entrances as well as paved parking will be located along the north and west sides of the site. A retention pond will be added to the western portion of the site to aid in storm water runoff.

5 AFFECTED ENVIRONMENT AND ENVIRONMENTAL CONSEQUENCES OF THE ALTERNATIVES

5.1 Aesthetics

Alternative 1

There is currently minimal landscaping on the EUL site. Taking no action neither improves or degrades the current aesthetics of the site.

Alternative 2

The proposed developed of the EUL site would incorporate multi-residential property with landscaping, green spaces, and a storm water retention pond. Existing trees located on the borders of the EUL site are incorporated into the proposed site design. The EUL site is currently vacant land containing grass, some trees, and chain-link fence. Although structures and parking lots are planned to be developed on this site, the site design is developed in a way that development of the property is foreseen to have a positive impact on the aesthetics of the site. However, the construction phase of the site development is foreseen to have a temporary negative impact on the EUL site.

5.2 Air Quality

Alternative 1

Potential impacts do not apply to this alternative.

Alternative 2

A temporary adverse impact on air quality on and near the EUL site can be expected during the construction phase due to the presence of construction vehicles at the site. Tenant vehicles, delivery vehicles, and facility combustion sources will create an on-going, minor adverse impact to air quality.

Currently no major air permits were found on the US EPA database for the Kerrville, Division STVHCS facility adjacent to the EUL site. No other facilities located in the standard radii were listed in the EPA databases that would show any adverse impact to air quality for the proposed EUL site development.

The site development itself is not anticipated to require any air permitting by the State or US EPA.

5.3 Cultural Resources

Alternative 1

Potential impacts do not apply to this alternative.

Alternative 2

Two historic sites listed on the National Register of Historic Places are located in the vicinity of the site. The Brown Cemetery is located within ½-mile of the site to the northeast and the Texas Lions Camp is located within 1-mile to the southeast. Figure 5, The Historical Location Map, outlines the locations of these sites as well as the location of the proposed EUL development.

The Texas Historical Commission (THC) was contacted to inquire as to whether they foresee any significant impact to these sites from the proposed site development. On April 23, 2012, Stone Environmental received a written response from the Commission. Tiffany Osburn of the THC conducted a review of the proposed site. According to this initial review, the THC determined that there is a potential for deeply buried archeological deposits at the proposed site. Although no sites are recorded on the area proposed for development, the THC recommended that a professional archeological survey be performed on the property and a report of investigations submitted for review.

Stone Environmental forwarded this notice to the User of this report to contact the THC directly to provide additional information in regards to the proposed development of the site. On May 2, 2012, Stone Environmental received a letter from Mark Wolfe, State Historic Preservation Officer for the THC which stated that after review of additional information submitted by Mr. Lavery of the Department of Veteran Affairs, the THC determined that the proposed EUL project may proceed without the need of an archeological survey and that no effect on historic properties is anticipated.

According to the EDR NEPA check report presented in Appendix E of the Argo Systems, LLC 2009 Phase I ESA, and the mapping of Federal Lands and Indian Reservations provided by www.Nationalatlas.gov, no Native American religious sites or reservations were identified on or in the vicinity of the EUL site. The National Atlas Map is presented in Figure 6. Stone Environmental contacted the Southern Plains Regional Division of the Bureau of Indian Affairs to inquire as to whether they foresee any Native American sites being impacted by the proposed EUL site development. To date no response has been received by the Bureau. Copies of correspondence are presented in Appendix B.

5.4 Geology and Soils

Alternative 1

Potential impacts do not apply to this alternative.

Alternative 2

The United States Department of Agriculture, Natural Resource Conservation Service identified two soil types, as shown in Figure 7, on the subject property:

NuA—Nuvalde silty clay, 0 to 1 percent slopes

Moderately deep to very deep friable clayey uplands with slopes 0 to 5 percent; friable when moist; somewhat sticky when wet; high natural fertility; medium to high water holding capacity and fair to good plant-soil moisture relationship; high production potential. These soils make up approximately 70 percent of the site.

TRC—Tarpley-Roughcreek association, gently undulating

Stony, shallow, reddish, noncalcareous loams with gently undulating slope. These soils make up approximately 30 percent of the site and are located at the southern portion of the property.

Both of these soil types are derived from limestone and are well drained with no ponding or flooding. Both soil types are ideal for urban use.

A review of the Seismic Hazard Map, Figure 8, indicates the proposed site for development is in a low risk area for seismic activity. Foundation and structural design of the proposed improvements will take these factors into consideration.

This area is known as Texas Hill Country and is commonly known for karst topography. This terrain is comprised of mainly limestone and a thin layer of topsoil. (Geological Map of Texas, Figure 9). This type of terrain is prone to caves and sinkholes due to erosion of the limestone below ground.

Development at the site may or may not be impacted by karst topography. This type of terrain should be taken into consideration in the planning stages of construction. It is recommended that a geological survey be performed to determine if there is any potential for cave-ins or sink holes on the EUL site if no previous geological studies have been performed at the STVHCS campus.

5.5 Hydrology and Water Quality

Alternative 1

Potential impacts do not apply to this alternative.

Alternative 2

The USGS 7.5 minute Topographic Map of the Legion, Texas quadrangle is presented in Figure 10. Topography at the site peaks at about 1,600 feet. The area is relatively flat but slightly gradient to the south. Surface drainage appears to have a southward flow direction. The Guadalupe River is located approximately ¼-mile to the southwest of the EUL site and what appears to be a storm water retention pond is located about ½-mile to the northeast of the EUL property.

The proposed building and parking lot expansion will result in the generation of more storm water due to the increased impermeable surfaces. The proposed design includes construction of a storm water bio-retention basin that will both retard the direct runoff to the receiving stream and improve the storm water discharge quality.

The proposed site development will connect to Kerrville water and sewer utilities. The development will therefore not directly affect the on site hydrology and water quality but will require additional demands on both the municipal water supply system and the waste water treatment system.

5.6 Wildlife and Habitat

Alternative 1

No action will allow the existing grassy area to remain as is. Wildlife existing on the property as well as its habitat will not be disturbed if no action takes place.

Alternatives 2

As shown in Figure 11, several endangered or threatened species were identified in Kerr County by the Texas Parks and Wildlife Department, Wildlife Division, Diversity and Habitat Assessment Program. Many of these threatened or endangered species can be ruled out when it comes to assessing any impact with the site development, due to the fact that they are primarily located near springs, wetlands, rivers, arid desert areas, and canyons. Based on the location of the EUL site, the following species should be taken into consideration and care should be taken throughout site development as to not disturb or destroy natural habitat.

Birds

Black-Capped Vireo

This species prefers oak-juniper woodlands with shrubs, trees, and open grassy spaces but requires ground reaching foliage for nesting.

Golden-Cheeked Warbler

This species prefers juniper-oak woodlands as well, and is dependent on the Ashe juniper (cedar) for long fine bark strips from mature trees to use in nest construction.

Western Burrowing Owl

This species prefers open grasslands such as prairies, plains, savanna and sometimes open areas near human habitation. The Western Burrowing Owl nests in abandoned burrows.

Mammals

Plains Spotted Skunk

This species is found in open fields, prairies, croplands, fence rows, farmyards, forest edges, and woodlands. The Plains Spotted Skunk prefers wooded, brushy areas and tallgrass prairie.

Plants

Hill Country Wild-Mercury

This species is found in grasslands associated with plateau live oak woodlands on shallow to moderately deep clay and clay loams over limestone on rolling uplands and also in partial shade of oak-juniper woodlands in gravelly soils on rocky limestone slopes.

Tobusch Fishhook Cactus

This species is found in stony clay and clay loams over massive fractured limestone; usually on level to slightly sloping hilltops; occasionally on relatively level areas on steeper slopes, and in woodlands. The species is rarely found in cenizo shrublands or little bluestem grasslands; the sites are usually open with only herbaceous cover, although the cactus may be somewhat protected by rocks, grasses, or spikemosses.

5.7 Noise

Alternative 1

Potential impacts do not apply to this alternative.

Alternative 2

Temporary negative impact is foreseen during the construction phase of the EUL site development. After completion, no major noise impacts are foreseen for the project.

A helipad is located on the Kerrville Division, STVHCS site approximately .2-miles from the proposed EUL site. Noise levels from use of this helipad are considered of a relatively low impact potential to residents of the proposed EUL site. I-10 is located approximately ½-mile northeast of the EUL site.

5.8 Land Use

Alternative 1

Potential impacts do not apply to this alternative.

Alternatives 2

The proposed EUL property has belonged to the Veterans Administration since 1925. Development to accommodate multi-family residential use would not pose any potential land use concerns as the Veterans Administration properties are considered government land and are generally exempt from zoning laws. Existing land use of adjoining properties are in general conformance to the proposed EUL site development.

5.9 Floodplains, Wetlands and Coastal Zone Management

Alternative 1

Potential impacts do not apply to this alternative.

Alternatives 2

The Federal Emergency Management Agency (FEMA) and National Wetlands Inventory Maps were reviewed for the proposed EUL site. The site is located outside of the 100-year floodplain, and no National Wetlands areas are located on the EUL site. The FEMA flood map of the area is presented in Figure 12 and the Wetland Inventory Map is presented in Figure 13. As noted in Section 5.4, both soil types on the property are derived from limestone and are well drained. They are not hydric soils.

5.10 Socioeconomics

Alternative 1

The no action alternative leaves the EUL site undeveloped and the property serves no purpose to the community of Kerrville. Developing the property not only blends this area

into the surrounding community, but also creates employment potential for residents of Kerrville and surrounding communities.

Taking no action also poses a negative impact on aging and disabled veterans that reside in the area as well. The Texas Governor's Committee on People with Disabilities released an Analysis of the Survey of Texas Veterans with Disabilities in November of 2010. A copy of this report is presented in Appendix B. 9,300 veterans took part in this survey over a five month period and represented all 254 counties in Texas.

Alternative 2

Development of the EUL site is foreseen to have a positive impact on socioeconomics in the area. Veterans that completed the Governor's survey stated that that they could benefit from better access to medical facilities, particularly in rural areas and many surveyed also stated a need for more housing options.

According to US Census Bureau data for Kerr County, 24 percent of the population were over the age of 65 and 14.1 percent were below the poverty level. Between 2006 and 2010 there were 6,561 veterans residing in Kerr County.

Developing the site as an assisted / independent living facility for disabled, elderly or at risk veterans could be beneficial to many residents in the city of Kerrville as well as other surrounding communities. Proceeding with development of EUL site as proposed would create assisted and independent living options for aging and disabled at risk veterans throughout the area, as well as increase the potential for more employment in the region throughout the construction and operational phases of the development.

5.11 Community Services

Alternative 1

Taking no action poses a potential of negative impact for the veterans in the community that are in need of housing assistance and care.

Alternative 2

Development of the proposed EUL site is not foreseen to pose a negative impact on community services. The Veterans Administration properties maintain their own police department for residents and personnel. The Kerrville Fire Department would respond for fire emergencies. The increase in residents for fire and EMS service is not foreseen to have an impact on the response time with the Fire Department as there are a total of four fire

stations located in the vicinity of the EUL site, the closest of which being Station 3 on Legion Drive which is in very close proximity to the EUL site.

For residents of the proposed EUL site, the location of the assisted/independent living complex is ideal for convenience, as the site is in close proximity to many businesses in the city of Kerrville. Convenience stores, grocery stores, gas stations, banks and retail shops are located nearby. The neighborhood is primarily commercial and residential beyond the VA property and two city parks are located in the vicinity as well.

5.12 Solid and Hazardous Materials

Alternative 1

Potential impacts do not apply to this alternative.

Alternative 2

Potential impacts do exist with this alternative. Development of the EUL site will slightly increase the amount of solid waste that will be processed through the local landfill in Kerrville. Implementation of recycling services should be considered to reduce the amount of solid waste transferred to the landfill from the assisted/independent living complex.

Potential negative impacts with the EUL site itself and from properties in the vicinity also exist. The Kerrville Division, STVHCS is listed in the Texas Commission of Environmental Quality's (TCEQ) database as a leaking petroleum storage tank (LPST) site. Three leaking petroleum storage tank (LPST) events are listed for the site.

LPST ID # 91403 was reported on July 23, 1987. Groundwater was impacted but it was noted that there were no apparent threats or impacts to receptors. The site underwent Phase II site investigations and the remedial action plan implemented included quarterly groundwater monitoring for the site.

Stone Environmental obtained and reviewed copies of TCEQ's files for LPST ID# 91403. Copies of these files are presented in Appendix B. An Environmental Assessment was conducted by Espey, Huston & Associates, Inc. in October 1987 after discovery of spilled diesel fuel within a concrete vault containing two 23,000-gallon USTs on the EUL site. The Environmental Assessment summarizes the observations made and the sampling and analysis performed after the discovery of leaks with the UST and recommendations for remediation and closure of the USTs.

Figure 1-2 of the Environmental Assessment presents a site plan detailing the location of two USTs located on the EUL site. The USTs were encased in a concrete vault located in

the approximate center of the EUL property. The report states that a diesel fuel leak was discovered during closure of these tanks. Approximately 200-gallons of fuel had leaked into the concrete vault itself and trenches were dug around the vault to determine whether additional amounts of fuel leaked into the surrounding soils. The VAMC found visible signs of a fuel leak in the surrounding soils and, at that point, reported the incident and began remedial activities at the site.

The diesel spill within the vault was pumped out and placed in a holding tank near the location of the USTs. The visibly contaminated soils were excavated and held onsite and water that backfilled the trenches after the soil excavation was pumped out and placed in a holding tank located in the vicinity of the vault.

Espey, Huston & Associates, Inc. installed five exploratory boreholes in close proximity to the location of the visible contaminated soils. The boreholes were placed as close to or down-gradient from the trenches where the contaminated soils were excavated. One of the boreholes was utilized to install a monitoring well and the others were used to collect soil samples at various depths up to 46.5'. Results of the sampling and analysis for the monitoring well and the soil borings determined that none of the samples contained any presence of hydrocarbons above detection limits (<20 mg/kg). The water that was removed from the trenches and placed in the holding tank was sampled as well and also showed no presence of hydrocarbons above detection limits (<10 mg/l). Espey, Huston & Associates, Inc. recommended closure procedures and ongoing monitoring of the site to achieve a proper closure status.

In October and November 1992, Kleck Environmental Contractors Inc. removed the two USTs and the concrete vault, as well as all other USTs located on the VAMC campus. Soil sampling and analysis were performed for the soils that surrounded the walls of the concrete vault. Results of this sampling and analysis concluded that further contamination had been discovered at the site. Kleck Environmental Contractors Inc. performed further soil excavation and removal of free product, rinseate, and rainwater accumulation from the open tank excavations. All excavated soils, liquids, USTs and the concrete vault were removed from the site and properly disposed of. Further sampling and analysis performed after the additional excavation concluded that there was no further soil or groundwater contamination at the site.

A Closure Request Form was prepared by Geo Strata and sent to the TCEQ in October 1996. A letter of Final Concurrence for the site was issued by TCEQ on February 11, 1997. The site is considered closed and no further action is necessary.

LPST ID # 105075 was reported on October 19, 1992 and appears to be a tank closure in relation to the investigations for LPST ID # 91403. No groundwater impact is reported for this event and the tank closure is complete and the site is considered closed.

LPST ID # 118310 was reported on March 1, 2010. The records indicate that the assessment is incomplete, but there were no apparent receptors impacted. A release determination report was submitted on the reporting date and the closure was referred to a private contractor per the TCEQ as of May 19, 2010. A final concurrence letter was submitted on May 26, 2010 and the closure is pending documentation of well plugging. The files do not state the exact location of these storage tanks on the STVHCS grounds, but they are not located on the EUL property and therefore do not pose a concern.

Stone Environmental interviewed Mr. Billy Steiner, of the Kerrville Division, STVHCS Engineering Department in regards to any information he could provide regarding the LPST sites or any other information pertaining to the environmental history of the proposed site. Mr. Steiner informed Stone Environmental that he has worked at the STVHCS for many years and works with Mr. Michael Bowlby who was interviewed in the Phase I ESA performed by Argo Systems in 2009. Mr. Steiner stated that the tanks referenced in LPST ID # 91403 were two fuel oil tanks that were removed from the proposed EUL site. He stated that the two tanks were buried within a concrete bunker and had leaked fuel oil into the bunker prior to removal. Mr. Steiner oversaw the removal and remediation of the site and stated that after removal, surrounding soil was hauled out and fresh soil put in place. Monitoring wells were installed for quarterly sampling. Mr. Steiner stated that the LPST event had been remediated and a final site closure report had been submitted.

When asked about the history of the EUL site, Mr. Steiner stated that the property once contained a large warehouse which received medical supplies and food delivered from the railroad that had once run through the site. Mr. Steiner said that in addition to medical supplies and food, tanker cars also delivered fuel oil to the underground storage tanks.

5.13 Transportation and Parking

Alternative 1

Potential impacts do not exist with this alternative.

Alternative 2

The proposed EUL site and the Kerrville Division, STVHCS facility are located along Memorial Blvd. on the south side of the City of Kerrville. Alamo Regional Transit (ART), based out of San Antonio, Texas, provides low cost public bus transportation services in

the area. All ART busses are wheelchair accessible. ART's service area and breakdown of costs and services are presented in Figure 14. No city bus service is provided by the City of Kerrville.

The site design for the EUL project provides one parking space per living unit and one parking space per office totaling 60 spaces. Access to the parking lot will be from the access road off of Memorial Blvd. Based on the proposed use of this complex as mainly an elderly assisted/independent living complex, a large increase in traffic to the site is not foreseen.

5.14 Utilities

Alternative 1

Potential impacts do not apply to this alternative.

Alternative 2

In order to implement the site development, the proposed complex will need to tie into local and city services for utilities. Overhead electric lines are located along Memorial Blvd. as well as just beyond the southeast boundary of the EUL site. Electricity services are provided by the Kerrville Public Utility Board (KPUB). Water services would be provided by the City of Kerrville. The water lines are located to the northwest of the site, beyond the access road to the STVHCS. Sanitary sewer services would also be provided by the City of Kerrville. Sanitary sewer lines are located along Memorial Blvd. and also to the northeast along the eastern side of the EUL site. As part of the site development review process the developer provided information on utility needs to the various providers in the area who concur that adequate services are available. No potential negative impacts are foreseen with access to utilities for the site.

5.15 Environmental Justice

Alternative 1

Potential impacts do not apply to this alternative.

Alternative 2

The proposed EUL site is currently vacant land. There is no potential for displacement of residence in the development of the EUL site. Development of the property should add to the enhancement of this area of Kerrville.

5.16 Cumulative Impacts

There are no known projects in the vicinity of the Kerrville Division, STVHCS facility that would pose any environmental impacts in combination with the proposed site development.

5.17 Potential for Generating Substantial Controversy

The Veterans Administration held a Public Hearing on July 19, 2011 at the Kerrville Division, STVHCS to discuss the proposed development at the EUL site. Ms. Kathryn Gifford, Public Affairs Officer at the STVHCS, was interviewed on April 19, 2012 in regards to response to this hearing. According to Ms. Gifford, several veterans groups in the region attended this hearing and requested that the proposed EUL site be developed and used for veterans only. No other responses were received from the community as a result of this hearing.

Ms. Gifford stated that San Antonio is known as a military city and the surrounding communities are very supportive of services for veterans. She noted that there has been a large amount of public media attention since the public hearing notification and she feels that the community's general attitude towards proceeding with the development as proposed is positive.

6 PUBLIC INVOLVEMENT

Stone Environmental found no negative feedback in regards to development of the site for veteran housing. The Assistant City Manager was contacted via email and asked to provide any information as to whether the City foresaw any potential for negative impact but no response was received. Information obtained in regards to input at the public hearing and media attention in regards to the site development were positive according to the VA Public Relations Officer interviewed in Section 5.17.

7 MITIGATION

Alternative 1

No significant impacts that would involve mitigation are encountered with this alternative.

Alternative 2

No significant impacts are encountered in considering the development of the EUL site as proposed.

8 FINDINGS

The following table presents a matrix evaluation of the various environmental factors considered, an assessment of the positive or adverse impacts of each factor, and the reasoning for the evaluation.

Table 1
Matrix of Environmental Factors

ENVIRONMENTAL FACTOR	POSITIVE IMPACT	ADVERSE IMPACT	REASONING
Aesthetics	Yes	No	Development of the EUL site as proposed promotes a positive impact on the aesthetics of the site. Proposed site design and landscaping will create a more appealing view of the site and will blend in with the surrounding community.
Land Use	Yes	No	The proposed use of the facility is consistent with the existing land use of the developed portion of the Kerrville Division, STVHCS. Landscaping which includes green spaces, trees, and a retention pond are foreseen to create a positive impact on the site and surrounding area.
Air Quality	No	Temporary	A temporary negative impact is foreseen based on construction vehicles being present during the construction phase of this project.
Cultural Resources	No	No	Although no historic sites are listed on the EUL property, THC recommended an archaeological survey be performed and a report of investigations be presented to their office for review. After further review of the location of the proposed EUL site development, the THC approved proceeding with the project and stated that no impact to historic sites is foreseen.

ENVIRONMENTAL FACTOR	POSITIVE IMPACT	ADVERSE IMPACT	REASONING
Geology and Soils	No	Slight	The soils in the region are prone to erosion and sink holes due to karst geology of the area. Geotechnical studies of the site performed for the site development should take into account these factors.
Wildlife Habitat	No	Slight	Several endangered or threatened species were identified in the county. The majority of these species are not likely to reside on the EUL site as they are more prone to be found near springs, wetlands, rivers, arid desert areas, and canyons.
Noise	No	Temporary	A slight negative impact is foreseen during the construction phase of this project although no residential properties are located in close proximity to the site.
Floodplains, Wetland and Coastal Zone	No	No	The site is located beyond the 100-year flood plain. The site is not located in any wetland or coastal zone area.
Socioeconomics	Yes	No	Positive impact is foreseen for disabled, elderly, and at risk veterans in the region as well as residents in the area that may have the opportunity for employment during the construction phase or the operational phase of the project.
Community Services	Yes	No	Community services are available for residents of the proposed EUL site through the VA and the City of Kerrville. No negative impact on community services is foreseen for existing residents in the area from site development.

ENVIRONMENTAL FACTOR	POSITIVE IMPACT	ADVERSE IMPACT	REASONING
Solid and Hazardous Materials	No	Slight	Residents of the facility will generate solid waste that will affect the area due to increased truck use to collect and dispose of the material. Additional landfill space will be needed accommodating this material. Implementing a recycling program for the development should be considered.
Transportation and Parking	No	Slight	Although development of a parking lot and access roads reduces green space and surface water runoff quality, the proposed EUL site design includes a storm water retention pond and landscaping to offset these factors. Low cost public transportation is available for use by residents of the EUL site.
Utilities	No	Slight	Utilities are currently in place near and on the site. Additional demands will be placed on each of these with construction of the development.
Cumulative Impacts	Yes	No	The project benefits veterans leaving the VAMC, veterans in the area, and increases the possibility for employment for residents in the community.
Potential for Generating Substantial Controversy	Yes	No	The project poses a positive impact for both veterans seeking housing assistance and residents of the community seeking employment with the VAMC as well as the area economy.

9 CONCLUSIONS AND RECOMMENDATIONS

Stone Environmental Engineering & Science, Inc. performed this EA in compliance with the National Environmental Policy Act of 1970 (NEPA). This assessment has revealed no evidence of significant environmental conditions that would require preparation of an environmental impact statement. Stone Environmental recommends that a finding of no significant impact (FONSI) be issued for this site.

10 LIST OF PREPARERS

Henry R. Stonerook, P.E., BCEE, President

Registrations:

Registered Professional Engineer, IL, IN, KS, MD, MI and OH
Diplomate – American Academy of Environmental Engineers

Education:

MS Environmental Engineering, West Virginia University
BS Mechanical Engineering, University of Michigan
OSHA Health & Safety Training

Professional Affiliations:

American Society of Civil Engineers
Water Environmental Federation
American Academy of Environmental Engineers

Firm:

Stone Environmental Engineering & Science, Inc.
748A Green Crest Dr., Westerville, Ohio 43081
614-865-1874

Professional Affiliations:

- American Society of Civil Engineers
- Water Environmental Federation
- American Academy of Environmental Engineers

Sections prepared:

1. Executive Summary
2. Introduction
7. Mitigation
8. Findings
9. Conclusions and Recommendations

Mr. Stonerook has more than 39 years experience in the planning, design and construction observation of environmental engineering projects. He has completed numerous Phase I and II Environmental Site Assessments in Ohio and several other states. He has completed four previous NEPA projects for the Veterans Administration.

Experience:

Veterans Affairs Medical Campus (VAMC), Dayton, Ohio.

Mr. Stonerook directed the preparation of this NEPA Environmental Assessment for an enhanced use lease agreement of a former hospital facility at the Dayton VAMC. He performed a site visit, interviewed on-site personnel familiar with the building, and reviewed historical site and building plans to determine the environmental issues pertaining to conversion of the structure into a facility suitable for homeless veteran use. The study resulted in a FONSI for the proposed site.

Veterans Affairs Enhanced Use Lease Agreement, Battle Creek, MI

Mr. Stonerook directed the preparation of a NEPA Environmental Assessment for an enhanced use lease agreement at the Battle Creek, MI Medical Center. Reviewing data collected by others, Mr. Stonerook coordinated the development and writing of the EA document. He also managed the budget and schedule of the project.

Enhanced Use Lease NEPA Assessment – Alexandria, LA

Mr. Stonerook directed the preparation of a NEPA Environmental Assessment for an enhanced use lease agreement to construct a new 5-wing, 60,000 square foot residential complex. The study resulted in a FONSI for the proposed site.

Jonathan A. Zanders

Education:

Currently pursuing AAS in Environmental Technology,
Columbus State Community College

Registrations & Training:

Certified Asbestos Hazard Evaluation Specialist #ES34376
Nielson Environmental Field School, Inc.; 2004 & 2010
40-Hour OSHA HAZWOPER training; Eight Hour Refresher
X-RF Training, 2011

Firm:

Stone Environmental Engineering & Science, Inc.
748A Green Crest Dr., Westerville, Ohio 43081
614-865-1874

Registrations & Training:

- Certified Asbestos Hazard Evaluation Specialist #ES34376
- Nielson Environmental Field School, Inc.; 2004 & 2010
- 40-Hour OSHA HAZWOPER training; Eight Hour Refresher
- X-RF Training, 2011

Sections prepared:

3. Site Description

Mr. Zanders has over ten years experience in the environmental field and is a certified Asbestos Hazard Evaluation Specialist. He has extensive experience in Phase I and II Environmental Site Assessments, supervising and conducting the sampling and analysis of soil, groundwater, materials surface water and wastewater, and is practiced at interpreting laboratory results.

Experience:

Phase I and II Environmental Site Assessments (ESAs)

Performed over 80 Phase I ESAs for commercial real estate transactions throughout the Midwest.

In 2011 performed a Phase I ESA and additional investigations for a NEPA Assessment for an EUL expansion project at the VAMC Battle Creek Michigan campus. He completed the site reconnaissance and conducted interviews of key personnel at the facility.

As Senior Environmental Technician, performed over two dozen Phase I ESAs for the Franklin County, Ohio Metro Park system.

Performed field work and developed sampling and analysis plan to complete a Tier 1 evaluation of former underground storage tanks at several locations in Ohio. The Tier 1 assessments were successful in obtaining "No Further Action" letters from the Ohio Bureau of Underground Storage Tank Regulations.

As the on-site supervisor, he performed a Tier I Evaluation and Remedial Action Plan for a municipal client in Central Ohio. The project included installing groundwater monitoring wells, collecting soil and groundwater samples, interpreting data, and reporting to Ohio Bureau of Underground Storage Tank Regulations (BUSTR). The client subsequently received a "No Further Action" status from BUSTR.

Tricia Lallo, Geotechnical Engineer

Education:

BS Civil Engineering, Youngstown State University

Firm:

Stone Environmental Engineering & Science, Inc.
748A Green Crest Dr., Westerville, Ohio 43081
614-865-1874

Sections prepared:

4. Alternative Evaluation
5. Affected Environment and Environmental Consequences of the Alternatives
6. Public Involvement

Ms. Lallo has more than 18 years experience working in the field of Geotechnical Engineering. She worked extensively with contractors on behalf of the project owner, supervising and inspecting quality. Tricia also worked in the soils lab performing tests and analysis on subsurface samples prior to its construction. At Stone Environmental, she has completed numerous permits and compliance reports for our clients.

Experience:

Veterans Affairs Medical Campus (VAMC), Dayton, Ohio.

Ms. Lallo visited the site and completed a written review of the property including the interior of the structure and an inventory of all information available about it (including old building plans, proposed improvements, etc.) Her work included collecting information about local community services (police, fire, etc.), land use, noise regulations, documented controversies, and historic preservation issues regarding the building which has approximately 39,750 square feet of floor space. This site was to be used for homeless veterans.

Veterans Affairs Memorial Stadium (VAMC), Chillicothe, Ohio.

For this approximately 376 acres of land constituting the Chillicothe VAMC, Ms. Lallo provided the site visit, records review, and development of alternatives. The Environmental Assessment was completed to identify among other factors: analyze and identify any potential environmental impacts and develop a detailed description of mitigative measures for any adverse environmental impacts identified.

Veterans Affairs Medical Campus (VAMC), Battle Creek, Michigan

Ms. Lallo created a written review of a developed site with information gathered from interviews with government officials and community services as well as historic preservation, land use, noise regulations, environmental records, endangered species and wildlife, wetlands, flood zones, and public involvement with the community to assess the proposed expansion of an existing EUL homeless housing facility on the campus.

Melissa S. Reynolds
Environmental Research Technician

Firm:

Stone Environmental Engineering & Science, Inc.
748A Green Crest Dr., Westerville, Ohio 43081
614-865-1874

Sections prepared:

4. Alternative Evaluation
5. Affected Environment and Environmental Consequences of the Alternatives
6. Public Involvement

Ms. Reynolds has conducted all aspects of Phase I Environmental Site Assessments (ESA) including historical and environmental research, technical writing, analyzing soil surveys, interpreting aerial photographs, completing comprehensive site visits, and overall organization of research and data. She has assisted with interpretation of data and preparation of Phase II Site Investigation Reports as well as with site investigation, collection and analysis of samples and compilation of data and preparation of comprehensive reports for Asbestos Assessments for industrial clients throughout Ohio.

Experience:

Phase I and II Environmental Site Assessments

Ms. Reynolds has performed public record searches and field investigations, as well as preparation of reports for Phase I ESAs for commercial real estate transactions throughout Ohio for several years.

Tier II 312, TRI 313, and Hazardous Waste Reporting – Various Industrial Clients

Ms. Reynolds manages the permitting and reporting for multiple industrial sites in Ohio and five other states that are required to submit annual reports such as Tier II Chemical Inventory, Hazardous Waste Annual Reporting, and Toxic Release Inventory Reports, as well as state specific filings in relation to these reports.

National Environmental Policy Act (NEPA) Assessments for Veterans Administration Medical Center (VAMC) Campuses

Ms. Reynolds has conducted NEPA Assessments for Enhanced Use Lease (EUL) projects for VAMC campuses in Michigan and Louisiana including collection of environmental, historical, and demographic data to assess the impact of proposed construction projects on VAMC campuses. Completion of full comprehensive reports to assess the impact, if any that proposed projects could have on the community and environment.

Federal and State Annual Reporting Requirements –Various Industrial Clients

Performed collection and interpretation of data for industrial facilities across the United States. Preparation and submittal of annual reports to ensure compliance.

Underground Storage Tank Remediation Activities

Assisted in the collection of data and Ohio Bureau of Underground Storage Tank reporting requirements for Leaking Underground Storage Tank sites including Tier I Delineation activities. In addition, assisted clients with preparation and submittal of claim applications submitted to the Petroleum Underground Storage Tank Claims Board.

11 REFERENCES

Mapping Tools

- <http://maps.google.com>
- Google Earth Software
- <http://www.bing.com/maps/>

National Register of Historic Places

- <http://www.nps.gov/nr/>
- Texas State Register of Historic Places

National Wetlands Inventory

- <http://www.fws.gov/wetlands/Data/Mapper.html>

Texas Historical Commission

- www.thc.state.tx.us/

NRCS Web Soil Survey for Kerr County

- <http://websoilsurvey.nrcs.usda.gov/app/>

National Geological Map Database

- <http://ngmdb.usgs.gov/>

MSR Maps Topographic Maps

- <http://www.msrmaps.com/>

Kerr County Parcel Maps

- <http://www.co.kerr.tx.us/public/>

FEMA Flood Maps

- <http://msc.fema.gov/>

U.S. Department of Veteran Affairs – South Texas Veterans Health Care System

- <http://www.southtexas.va.gov/>

Alamo Regional Public Transit

- <http://www.aacog.com>

ARGO Systems, LLC

- Phase I Environmental Site Assessment for EUL Site VA STVHCS, September, 2009
- EDR Radius Report / NEPA Check

U.S. Census Bureau

- <http://quickfacts.census.gov/qfd/states/>

U.S. Environmental Protection Agency, Registry Reports

- <http://www.epa.gov/enviro/>

State of Texas – The Texas Governor’s Committee on People with Disabilities

- An Analysis of the Survey of Texas Veterans with Disabilities – November 2010

Native American History in the State of Texas

- Bureau of Indian Affairs
- <http://www.nationalatlas.gov>

U.S. Fish and Wildlife Service

- <http://www.fws.gov>

Texas Commission on Environmental Quality

- Underground Storage Tank Records

12 LIST OF ACRONYMS AND ABBREVIATIONS

ART-	A lamo R egional T ransit
EDR-	E nvironmental D ata R esources Inc.
EUL-	E nhanced U se L ease
EA-	E nvironmental A ssessment
ESA-	E nvironmental S ite A ssessment
FEMA-	F ederal E mergency M anagement A ct
FONSI-	F inding of N o S ignificant I mpact
KPUB-	K errville P ublic U tility B oard
LPST-	L eaking P etroleum S torage T ank
NEPA-	N ational E nvironmental P olicy A ct
NPL-	N ational P riorities L ist
STVHCS-	S outh T exas V eterans H ealth C are S ystem
THC-	T exas H istorical C ommission
TCEQ-	T exas C ommission on E nvironmental Q uality
US EPA-	U nited S tates E nvironmental P rotection A gency
USGS-	U nites S tates G eological S urvey
UST-	U nderground S torage T ank
VAMC-	V eterans A ffairs M edical C enter

FIGURES

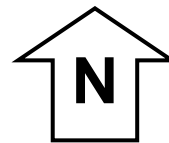
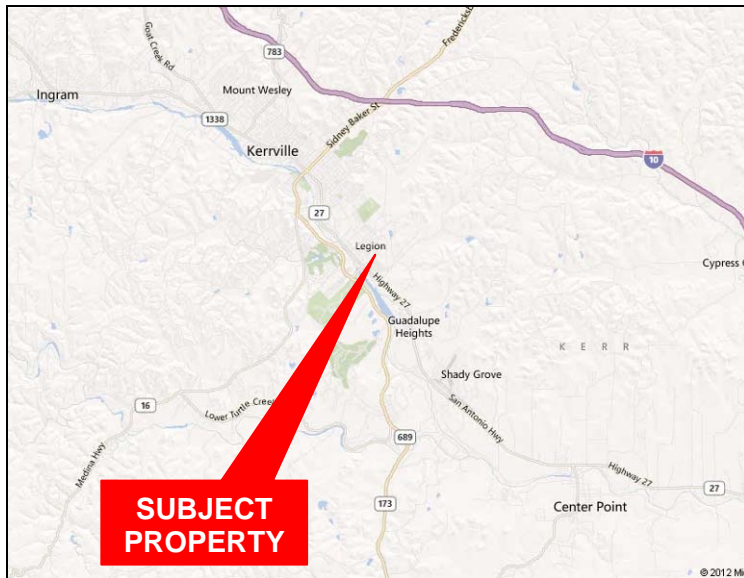
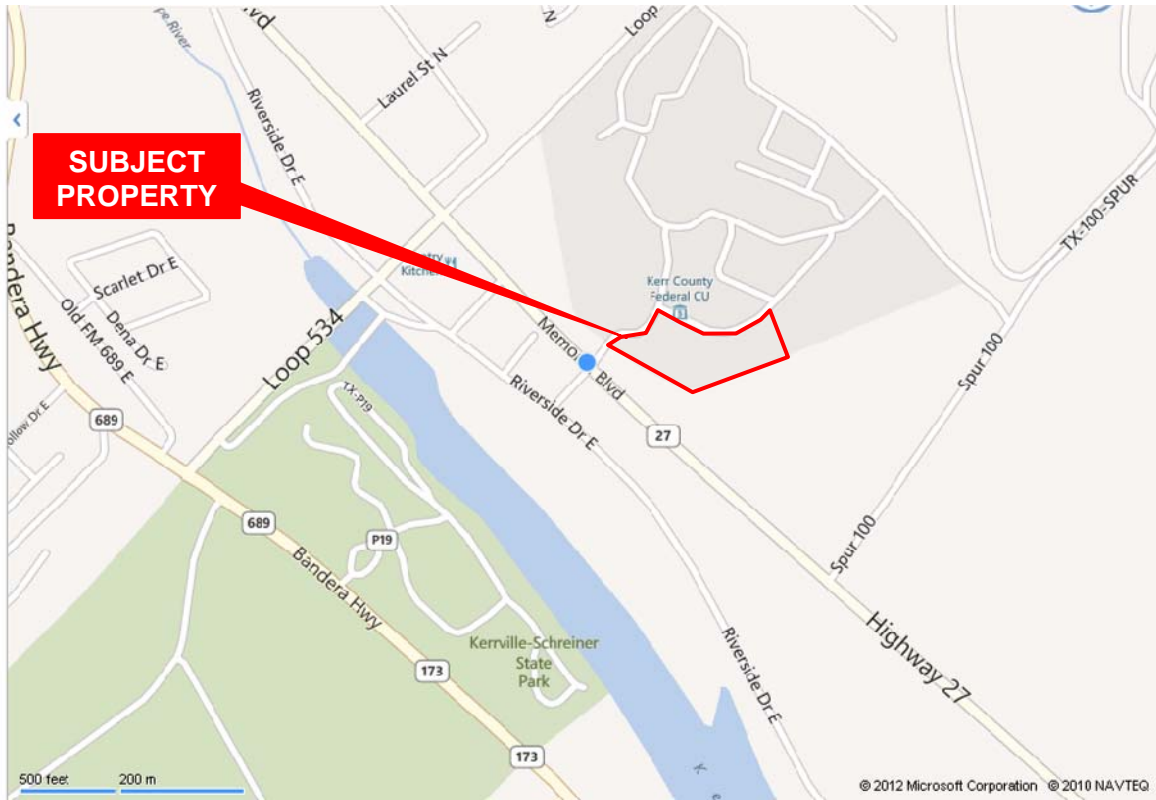


FIGURE 1 – VICINITY AND LOCATION MAPS

NEPA Assessment
 Vacant Property Located at the
 Kerrville Division, STVHCS
 3600 Memorial Blvd.
 Kerrville, TX 78028

REFERENCE: www.Bing.com/maps

Note: boundaries are approximate



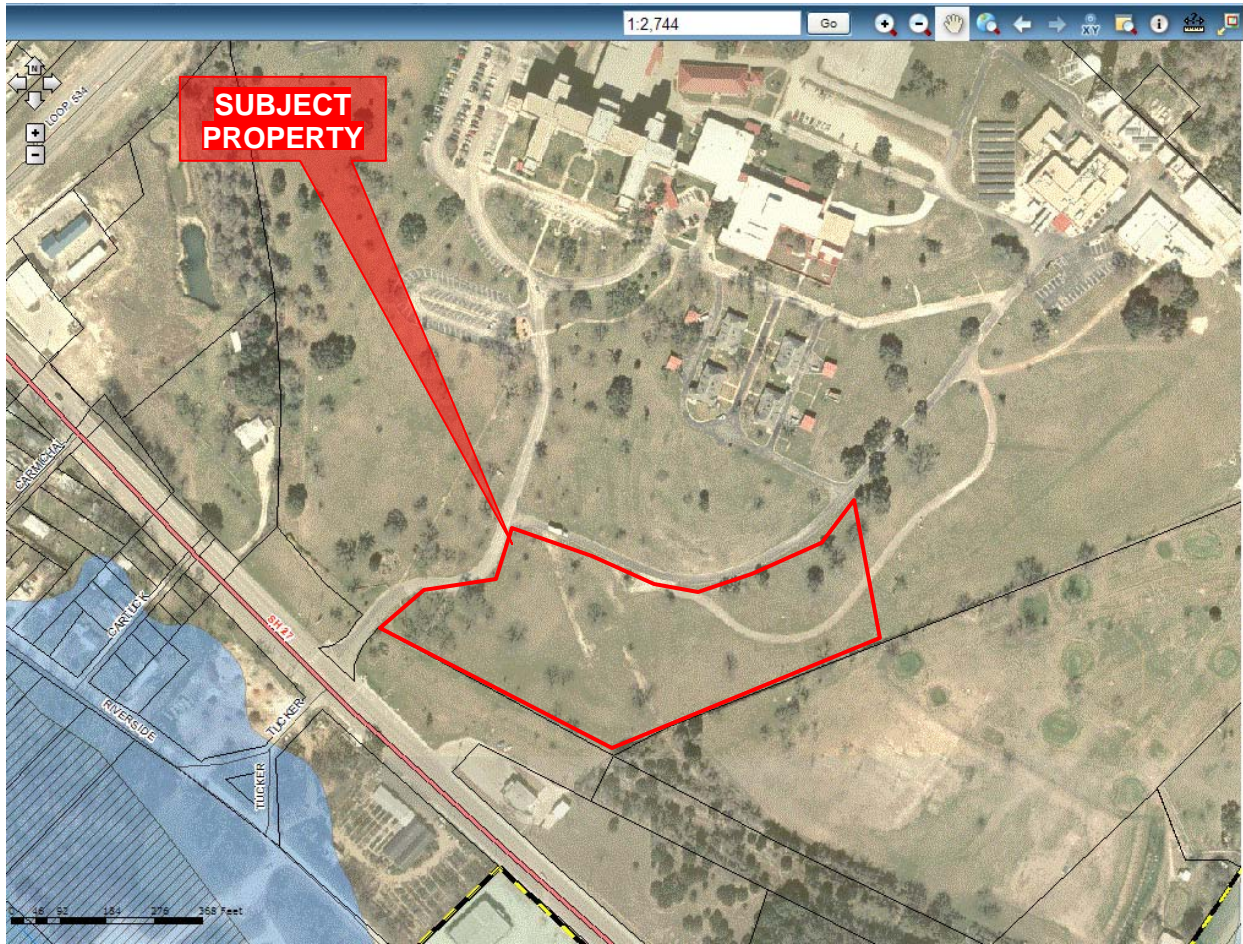


FIGURE 2 – KERR COUNTY
PARCEL MAP



NEPA Assessment
Vacant Property Located at the
Kerrville Division, STVHCS
3600 Memorial Blvd.
Kerrville, TX 78028

REFERENCE: <http://gisweb.kerrvilletx.gov>

Note: boundaries are approximate





FIGURE 3 – 2010 AERIAL PHOTOGRAPH

NEPA Assessment
Vacant Property Located at the
Kerrville Division, STVHCS
3600 Memorial Blvd.
Kerrville, TX 78028

REFERENCE: www.bing.com

Note: boundaries are approximate





A-2

**VA - EUL KERRVILLE, TX
CONCEPTUAL SITE DIAGRAM**

FIGURE 4 – PROPOSED SITE DESIGN OF THE EUL PROJECT

NEPA Assessment
 Vacant Property Located at the
 Kerrville Division, STVHCS
 3600 Memorial Blvd.
 Kerrville, TX 78028

REFERENCE: VOA/Core Construction



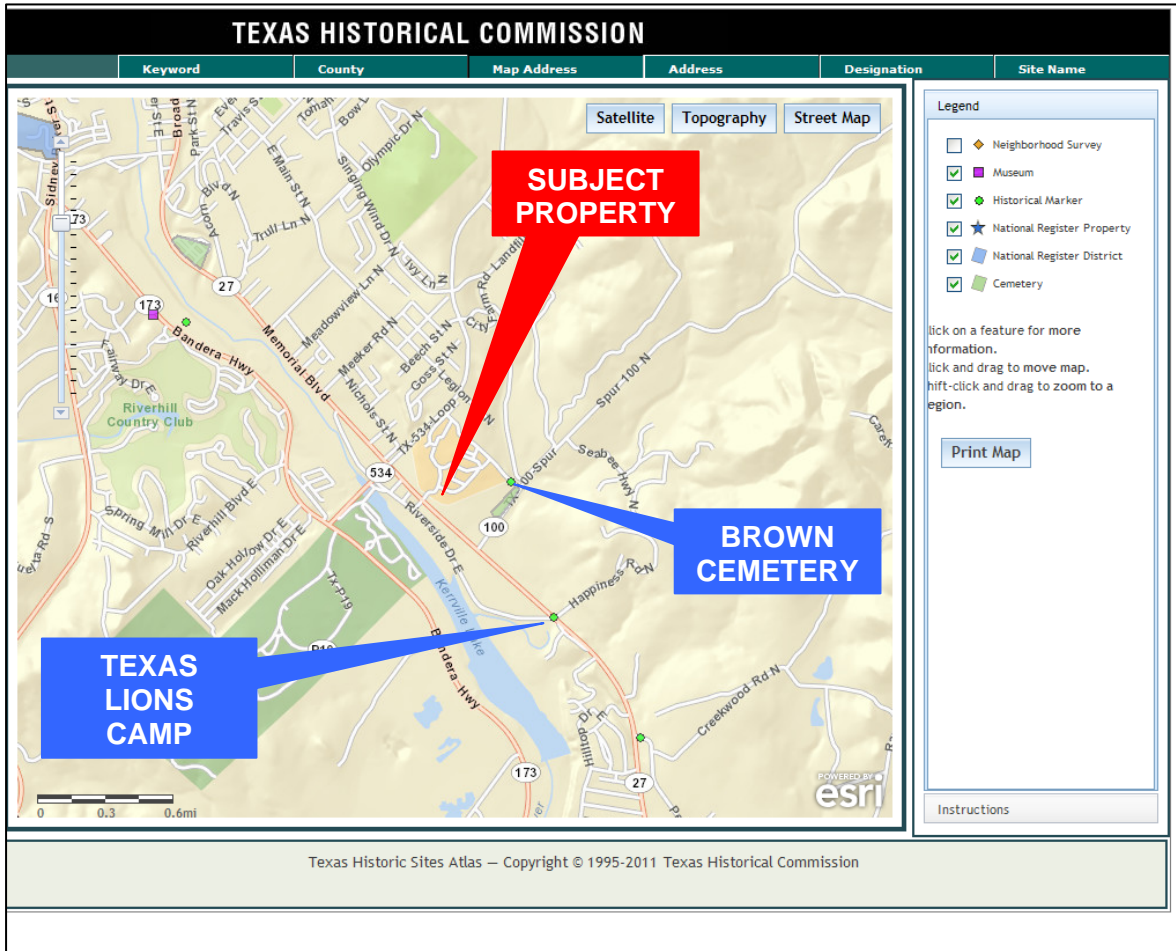


FIGURE 5—TEXAS HISTORIC PLACES MAP

NEPA Assessment
 Vacant Property Located at the
 Kerrville Division, STVHCS
 3600 Memorial Blvd.
 Kerrville, TX 78028

REFERENCE: <http://atlas.thc.state.tx.us>

Note: boundaries are approximate



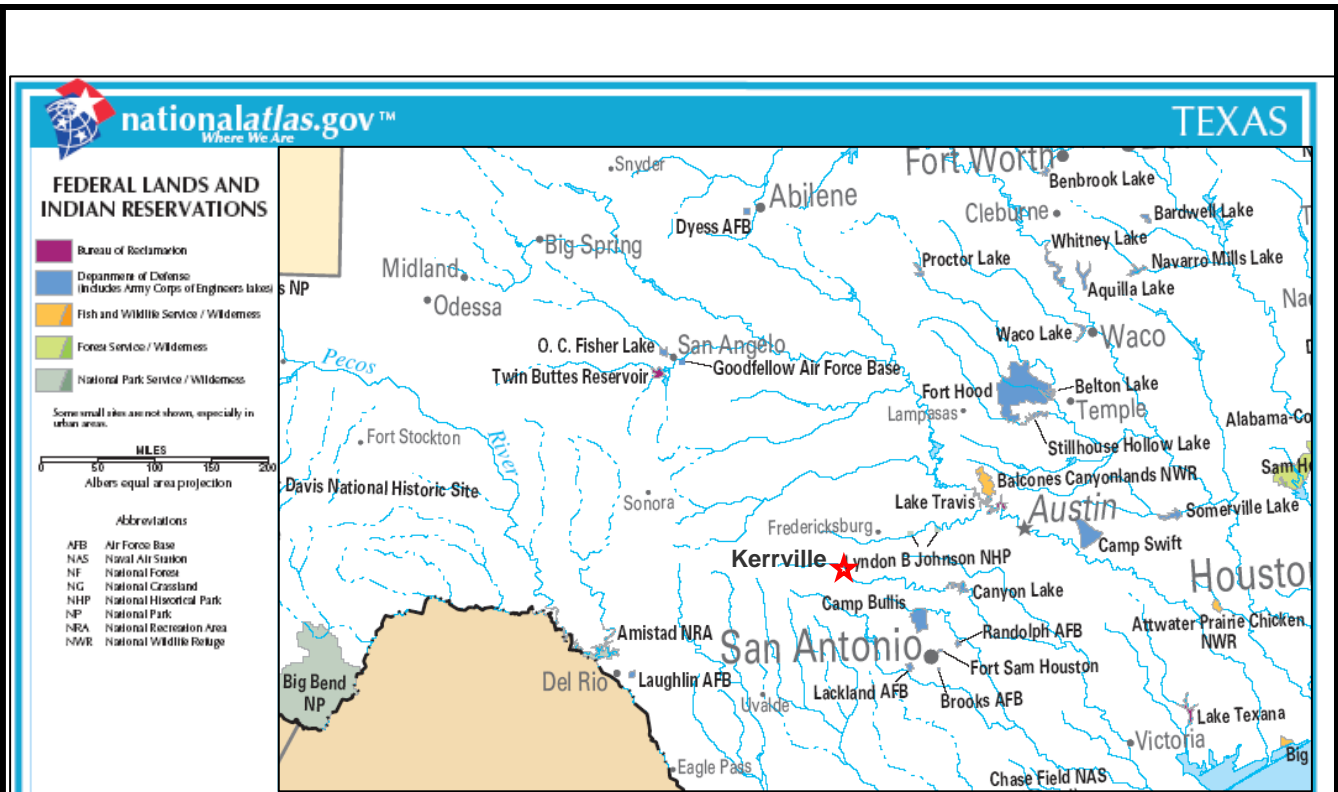


FIGURE 6—FEDERAL LANDS AND INDIAN RESERVATIONS MAP

NEPA Assessment
Vacant Property Located at the
Kerrville Division, STVHCS
3600 Memorial Blvd.
Kerrville, TX 78028

REFERENCE: <http://nationalatlas.gov>

Stone Environmental
Engineering & Science, Inc.
748A Green Crest Drive
Westerville, Ohio 43081

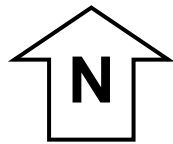


FIGURE 7-USDA SOIL MAP

NEPA Assessment
 Vacant Property Located at the
 Kerrville Division, STVHCS
 3600 Memorial Blvd.
 Kerrville, TX 78028

REFERENCE: USDA NRCS Soil Survey for Kerr
 County Texas

Note: boundaries are approximate



Texas

Seismic Hazard Map

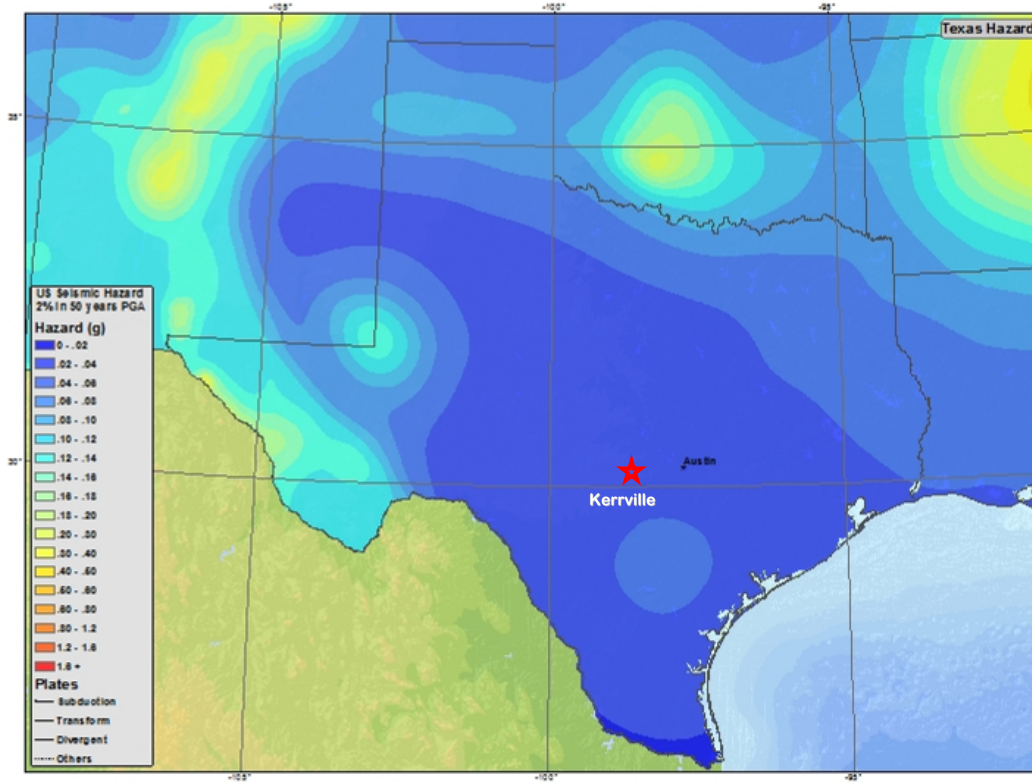


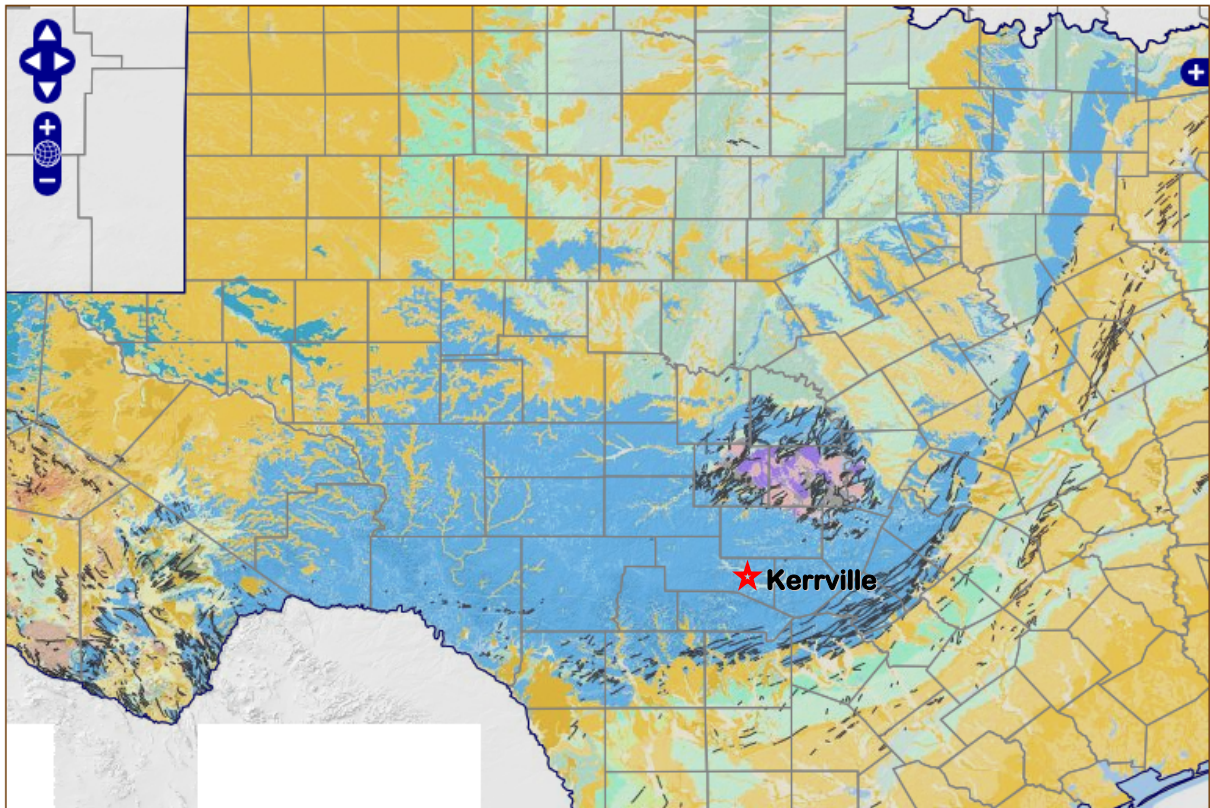
FIGURE 8-USGS TEXAS SEISMIC HAZARD MAP

NEPA Assessment
Vacant Property Located at the
Kerrville Division, STVHCS
3600 Memorial Blvd.
Kerrville, TX 78028

REFERENCE: USGS - Earthquake Hazard Program

Note: boundaries are approximate





-99.69622, 33.52932

[Geologic maps of this area, from the National Geologic Map Database catalog]

Mineral Resources On-Line Spatial Data

[Interactive maps](#) > [Data download](#) > [Geology](#) > [by state](#)

Unit name: **Glen Rose Limestone**

Unit age: **Early Cretaceous**

Primary rock type: **Limestone**

Secondary rock type: **Clay or mud**

Source: **Stoeser, D.B., Shock, Nancy, Green, G.N., Dumonceaux, G. M., and Heran, W.D., in press, A Digital Geologic Map Database for the State of Texas: U.S. Geological Survey Data Series.**

FIGURE 9 – GEOLOGIC MAP OF TEXAS

NEPA Assessment
 Vacant Property Located at the
 Kerrville Division, STVHCS
 3600 Memorial Blvd.
 Kerrville, TX 78028

REFERENCE: Texas Geological Survey



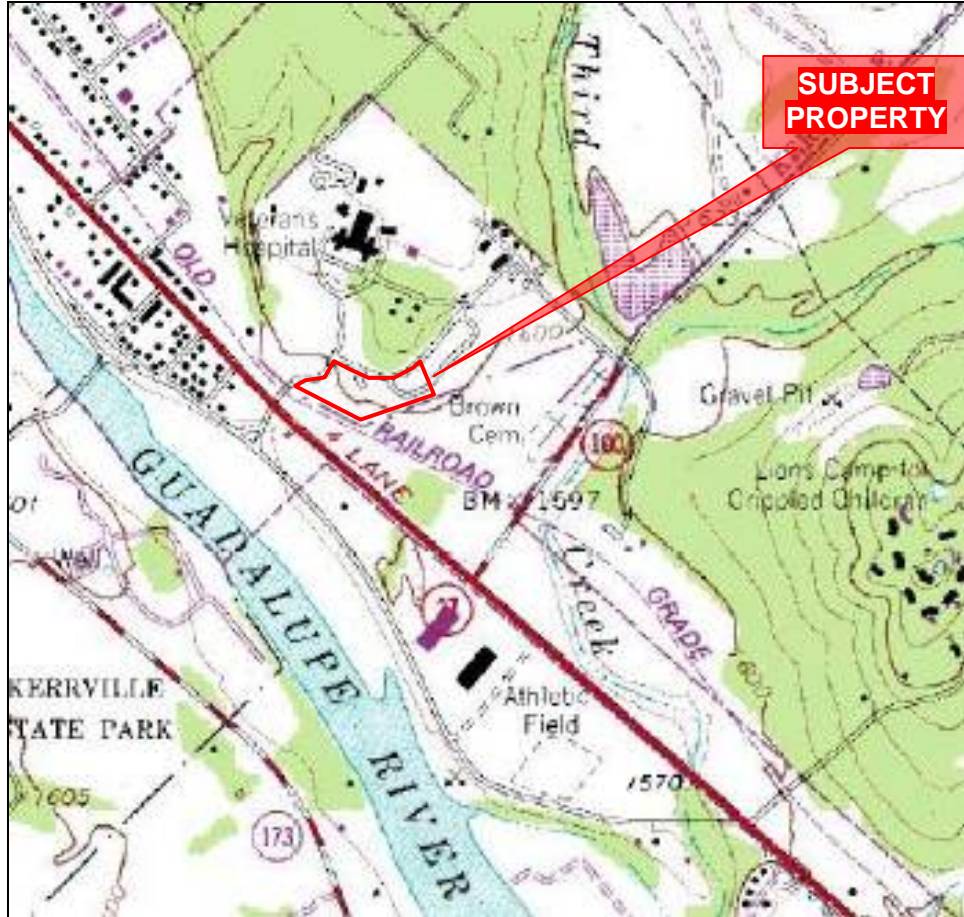


FIGURE 10-7.5 MINUTES USGS TOPOGRAPHIC MAP



NEPA Assessment
 Vacant Property Located at the
 Kerrville Division, STVHCS
 3600 Memorial Blvd.
 Kerrville, TX 78028

REFERENCE: www.msrmmaps.com

Note: boundaries are approximate



Rare, Threatened, and Endangered Species of Texas

Search by...

Type full or partial County Name and click "GO"



Leave blank and click "GO" for a complete list

OR

Type full or partial Common Name and click "GO"



Leave blank and click "GO" for a complete list

OR

Type full or partial Scientific Name and click "GO"



Leave blank and click "GO" for a complete list

[View County List Key and Disclaimer](#)

[View Coordination and Review Form](#)
Name and click "GO"



Leave blank and click "GO" for a complete list

OR

Type full or partial Scientific Name and click "GO"



Leave blank and click "GO" for a complete list

[View County List Key and Disclaimer](#)

[View Coordination and Review Form](#)

[Take our survey!](#)

Species Search Results for 'Kerr'

Taxon	Common Name	Scientific Name	Federal Status	State Status	County Range
Amphibians	Cascade Caverns salamander	Eurycea latitans complex		T	View Map
Amphibians	Valdina Farms sinkhole salamander	Eurycea troglodytes complex			View Map
Birds	Baird's Sparrow	Ammodramus bairdii			View Map
Birds	Sprague's Pipit	Anthus spragueii	C		View Map
Birds	Western Burrowing Owl	Athene cunicularia hypugaea			View Map
Birds	Zone-tailed Hawk	Buteo albonotatus		T	View Map
Birds	Mountain Plover	Charadrius montanus			View Map
Birds	Peregrine Falcon	Falco peregrinus	DL	T	View Map
Birds	American Peregrine Falcon	Falco peregrinus anatum	DL	T	View Map
Birds	Arctic Peregrine Falcon	Falco peregrinus tundrius	DL		View Map
Birds	Whooping Crane	Grus americana	LE	E	View Map
Birds	Bald Eagle	Haliaeetus leucocephalus	DL	T	View Map
Birds	Golden-cheeked Warbler	Setophaga chrysoparia	LE	E	View Map
Birds	Interior Least Tern	Sterna antillarum athalassos	LE	E	View Map
Birds	Black-capped Vireo	Vireo atricapilla	LE	E	View Map
Crustaceans	Cascade Cave amphipod	Stygobromus dejectus			View Map
Fishes	Headwater catfish	Ictalurus lupus			View Map
Fishes	Guadalupe bass	Micropterus treculii			View Map
Fishes	Guadalupe darter	Percina sciera apristis			View Map
Insects	Leonora's dancer damselfly	Argia leonora			View Map
Insects	Rawson's metalmark	Calephelis rawsoni			View Map
Insects	Sage sphinx	Sphinx eremitoides			View Map
Mammals	Gray wolf	Canis lupus	LE	E	View Map
Mammals	Red wolf	Canis rufus	LE	E	View Map
Mammals	Pale Townsend's big-eared bat	Corynorhinus townsendii pallascens			View Map
Mammals	Llano pocket gopher	Geomys texensis texensis			View Map
Mammals	Cave myotis bat	Myotis velifer			View Map
Mammals	White-nosed coati	Nasua narica		T	View Map
Mammals	Plains spotted skunk	Spilogale putorius interrupta			View Map
Mammals	Black bear	Ursus americanus	T/SA;NL	T	View Map
Mollusks	Texas fatmucket	Lampsilis bracteata	C	T	View Map
Mollusks	Golden orb	Quadrula aurea	C	T	View Map
Mollusks	False spike mussel	Quadrula mitchelli		T	View Map
Mollusks	Texas pimpleback	Quadrula petrina	C	T	View Map
Mollusks	Creeper (squawfoot)	Strophitus undulatus			View Map
Plants	Hill Country wild-mercury	Argythamnia aphoroides			View Map
Plants	Longstalk heimia	Nesaea longipes			View Map

FIGURE 11-US FISH & WILDLIFE SERVICE ENDANGERED SPECIES LIST

NEPA Assessment
 Vacant Property Located at the
 Kerrville Division, STVHCS
 3600 Memorial Blvd.
 Kerrville, TX 78028

REFERENCE: US Fish & Wildlife Service



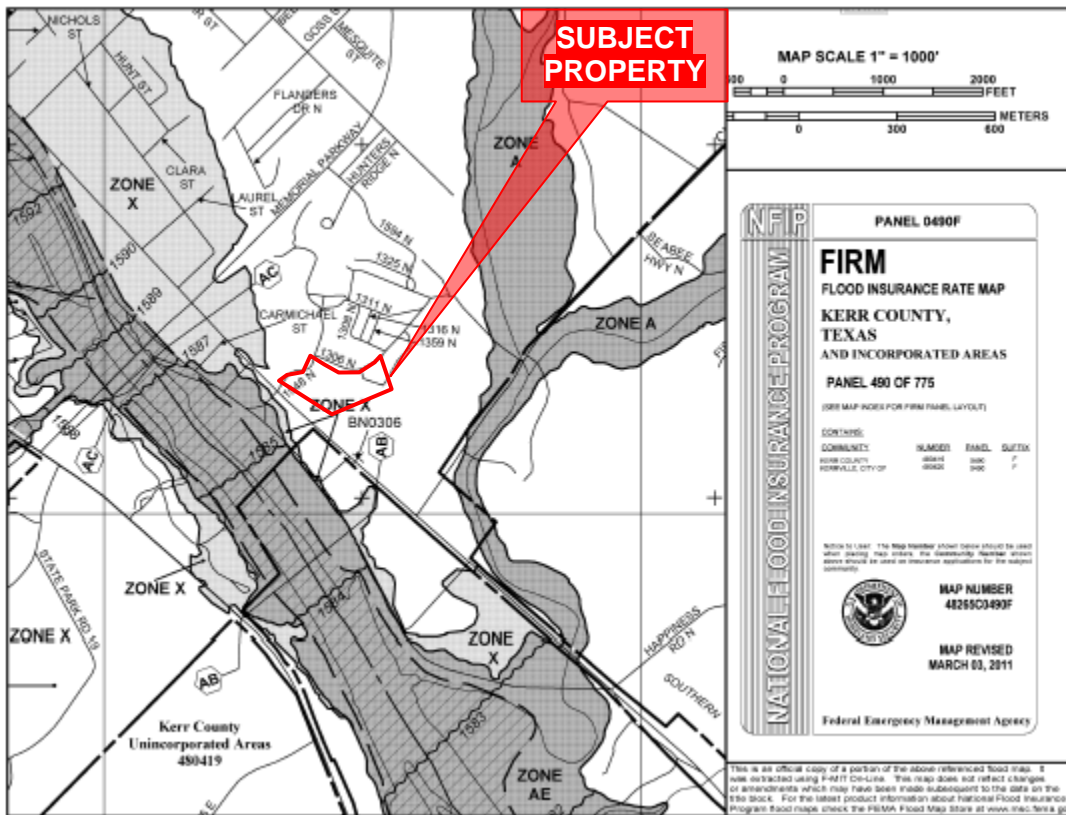


FIGURE 12-FEMA FLOOD RATE MAP, KERR COUNTY, TEXAS

NEPA Assessment
Vacant Property Located at the
Kerrville Division, STVHCS
3600 Memorial Blvd.
Kerrville, TX 78028

REFERENCE: www.fema.gov

Note: boundaries are approximate

Stone Environmental
Engineering & Science, Inc.
748A Green Crest Drive
Westerville, Ohio 43081



U.S. Fish and Wildlife Service National Wetlands Inventory

3600 Memorial
Blvd. Kerrville,
Texas

Apr 12, 2012



**SUBJECT
PROPERTY**

Wetlands

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

Status

- Digital
- Scan
- Non-Digital
- No Data

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

User Remarks:

FIGURE 13–NATIONAL
WETLANDS INVENTORY MAP



NEPA Assessment
Vacant Property Located at the
Kerrville Division, STVHCS
3600 Memorial Blvd.
Kerrville, TX 78028

REFERENCE: National Wetlands Inventory

Note: boundaries are approximate

Stone Environmental
Engineering & Science, Inc.
748A Green Crest Drive
Westerville, Ohio 43081

ART's Service Area

SUBJECT PROPERTY

Need a Ride?

Call Toll-Free
1-866-889-7433

How to Ride Guide

BUS FARE

Fares for ART's transportation services vary depending on the distance traveled. Please have the exact fare amount for each ride; drivers are not allowed to give change. One-way fares are collected upon boarding. Please note that fares are subject to change.

• In Town	\$2.00
• In Same County	\$6.00
• One County Over	\$8.00
• Two Counties Over	\$12.00

Alamo Regional Transit
8700 Tesoro Drive, Suite 700
San Antonio, Texas 78217
1-866-889-7433
www.aacog.com

Call Toll-Free
1-866-889-7433

ART vehicles are wheelchair accessible and have wheelchair lifts

FIGURE 14—PUBLIC TRANSPORTATION KERRVILLE, TEXAS



REFERENCE: Alamo Regional Transit

NEPA Assessment
Vacant Property Located at the
Kerrville Division, STVHCS
3600 Memorial Blvd.
Kerrville, TX 78028

Stone Environmental
Engineering & Science, Inc.
748A Green Crest Drive
Westerville, Ohio 43081

APPENDIX A
ARGO Systems, LLC
Phase I Environmental Site Assessment (ESA), 2009

**Phase I Environmental Site Assessment Report
Undeveloped Enhanced Use Lease Site
VA South Texas Veterans Health Care System
Kerrville Division
Kerrville, Texas**

Prepared for

Management Technology Consulting Council Inc.,
Huntsville, Alabama
Under contract to Department of Veterans Affairs
Washington DC

Prepared by



ARGO Systems, LLC
1403 Madison Park Drive, Suite 205
Glen Burnie, Maryland 21061

September 2009



www.Argo-Sys.com

ARGO Systems, LLC
1403 Madison Park Drive
Suite 205
Glen Burnie, MD 21061-5613

September 24, 2009

Mr. John Cady
Management Technology Consulting Council, Inc.
4970 Corporate Drive
Suite 125C
Huntsville, AL 35805

Re: Phase I Environmental Site Assessment (ESA)
Kerrville Division, STVHCS
Kerrville, Texas

Dear Mr. Cady:

ARGO Systems, LLC (ARGO) is providing an electronic submission of this Phase I Environmental Site Assessment (ESA) for the proposed Kerrville Division, STVCHS Enhanced Use Lease project located in Kerrville, Texas. The Phase I ESA was completed in accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-05).

We sincerely appreciate this opportunity to provide our environmental services. If you have any questions concerning this report, please do not hesitate to call.

Sincerely,
ARGO SYSTEMS, LLC

A handwritten signature in black ink that reads "R. D. Roop".

R. D. Roop
Environmental Scientist,
Certified Environmental Professional

Attachment: Phase I ESA

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LIST OF ACRONYMS

AAI	All Appropriate Inquiries
AIRS	Aerometric Information Retrieval System
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
CDL	Clandestine Drug Labs
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CERCLIS	CERCLA Information System
CONSENT	Superfund (CERCLA) Consent Decrees
CORRACTS	RCRA Information System-Corrective Action Sites
DOD	Department of Defense
DOT OPS	Department of Transportation, Office of Pipeline Safety
EDR	Environmental Data Resources, Inc.
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act/TSCA
FINDS	Facility Index System
FTTS	FIFRA/TSCA Tracking System
FUDS	Formerly Used Defense Sites
FWS	Fish and Wildlife Service
ICIS	Integrated Compliance Information System
LPST	Leaking Petroleum Storage Database
LUCIS	Land Use Control Information System
LUST	Leaking Underground Storage Tank
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NFRAP	No Further Remedial Action Planned (Delisted CERCLA Site)
NPDES	National Pollutant Discharge Emissions System
NPL	National Priority List
NWI	National Wetlands Inventory

ODI	Open Dump Inventory
PADS	Polychlorinated Biphenyl Activity Database
PCB	Polychlorinated Biphenyls
RAATS	RCRA Administrative Action Tracking System
RADINFO	Radiation Information
RCRA	Resource Conservation and Recovery Act of 1976
REC	Recognized Environmental Condition
ROD	Record of Decision
SCRD	State Coalition for Remediation of Drycleaners
SHWS	State Hazardous Waste Sites
SSTS	Section Seven Tracking System
STVHCS	South Texas Veterans Health Care System
SWF/LF	Solid Waste Facilities/Landfills
TRIS	Toxic Release Inventory System
TSCA	Toxic Substances Control Act
TSDF	Transporters, Storage, and Disposal Facility
UMTRA	Uranium Mill Tailings Site
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank

EXECUTIVE SUMMARY

The subject property consists of approximately five acres of land owned by the Department of Veterans Affairs (VA) and located in southeastern Kerrville, Texas. The property has been operated by the VA and predecessor agencies since 1925. In June 2009, working under contract to the VA, Management Technology Consulting, Inc. retained ARGO Systems LLC (ARGO) to perform a Phase I Environmental Site Assessment. This Phase I ESA was performed in general conformance with the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (Designation: E 1527-05).

This assessment revealed no recognized environmental conditions (RECs) in connection with the property.

1. INTRODUCTION

1.1 PURPOSE

The purpose of the Phase I Environmental Site Assessment (ESA) is to identify, to the extent feasible pursuant to the process prescribed in American Society for Testing and Materials (ASTM) E 1527-05, recognized environmental conditions (RECs) in connection with the property. An REC is defined as the presence or likely presence of hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or material threat of a release of any hazardous substance or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The ASTM E 1527-05 practice constitutes all appropriate inquiries (AAI) for the purpose of Landowner Liability Protections, under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This report reflects the observations, information, and data collected by ARGO Systems LLC (ARGO) in June and July of 2009. Supporting documentation is provided in the appendices as follows:

- Appendix A— Figures
- Appendix B— Site Photographs
- Appendix C— Historical Research Documentation
- Appendix D— Regulatory Records Documentation
- Appendix E— Supporting Documentation

1.2 DETAILED SCOPE OF SERVICES

ARGO prepared this Phase I ESA under ARGO Contract Number P-0006-A with Management Technology Consulting Council, Inc. (MTCC), dated June 4, 2009, under Prime Contract VA101(0004B)-P-0006 with the U.S. Department of Veterans Affairs (VA). The VA has requested this study as part of their Enhanced Use Lease (EUL) program.

This Phase I ESA was performed in accordance with ASTM E 1527-05 (Standard Practice for ESAs: Phase I ESA Process) and consists of a review of current and historic activities and conditions at the property and surrounding properties, including a non-intrusive visual inspection

of the property; review of local, state, and federal regulatory database records; review of available historic records; and a survey of adjacent land uses. The site reconnaissance does not address non-ASTM considerations such as vapor intrusion, drinking water quality, or radon, nor does it include sampling or chemical analysis of soils, surface water, or groundwater or an intensive examination of facility hazards (compliance audit).

1.3 SIGNIFICANT ASSUMPTIONS

The preparers of this Phase I ESA based findings and conclusions on information provided by personnel and records maintained at the Kerrville Division, STVHCS regarding the ownership and operations on the subject property. This information was verified by reviews of regulatory databases and research of historical records. The accuracy and completeness of information maintained in public records by agencies or other entities is assumed to be appropriate and sufficient for the purposes of this Phase I ESA, and independent verification of its validity is beyond the scope of this investigation.

1.4 LIMITATIONS AND EXCEPTIONS

The findings within this ESA utilized information that was practically reviewable per ASTM E 1527-05, meaning that only relevant data relating to the subject site has been incorporated into the findings, disregarding extraordinary analysis of irrelevant data. The investigation conducted for this ESA was limited to data that was reasonably ascertainable, meaning that the information obtained was publicly available, obtainable within the cost and time constraints under the scope of services for this project, and practically reviewable. ASTM E 1527-05 was the preferred guidance for the development of this report at the request of Kerrville Division, STVHCS. Other applicable regulations, standards, or guidance that may be appropriate or required for determining the condition of federal real property have not been incorporated into this ESA except as specifically identified herein. Examples of regulations, standards, etc. not included in ASTM E 1527 would be the Community Environmental Response Facilitation Act of 1992 (CERFA), incorporation of Standard Classification of Environmental Condition Property Area Types, Findings of Suitability to Lease (FOSL), Findings of Suitability to Transfer (FOST), CERCLA Section 120(h), and the National Environmental Policy Act..

The property was accessible at the time of the site reconnaissance. There were no accessibility limitations.

ARGO does not warrant that there are no toxic or hazardous materials or contamination, nor does ARGO accept any liability if such are found at some future time, or could have been found if sampling or additional studies were conducted. ARGO does not assume responsibility for other environmental issues that may be associated with this subject site.

In view of the rapidly changing status of environmental laws, regulations, and guidelines, ARGO cannot be responsible for changes in laws, regulations, or guidelines that occur after the study has been completed and that may affect the subject site.

1.5 SPECIAL TERMS AND CONDITIONS

The findings of this ESA are limited and based on the completeness and accuracy of the data and conditions of the site as of the dates of the onsite investigation and when publicly information was obtained as described within this report.

1.6 USER RELIANCE

This report is prepared for, and made available for the sole use of the users, Management Technology Consulting Council, Inc. and the VA, and the contents thereof may not be used or relied upon by any other person without the express written consent and authorization of ARGO. Notwithstanding the foregoing to the contrary, ARGO's report may be used by the users in securing financing and/or refinancing for the property and thus as such may be presented to and relied upon by the lender.

2. SITE DESCRIPTION

2.1 LOCATION AND LEGAL DESCRIPTION

The subject site is defined as a 5 acre parcel located in southern portion of the Kerrville Division of the South Texas Veterans Health Care System (STVHCS) to the south of the entrance drive to Kerrville Division, STVHCS from Memorial Blvd. The site boundary is shown in Figure 1 (Appendix A). The Kerrville Division, STVHCS is one of more than ten facilities in the South Texas Veterans Health Care System.

The Kerr County Assessor's Office identifies the Kerrville Division, STVHCS as Parcel ID 64954. The Kerrville Division, STVHCS property is 70 acres in size and was obtained by the United States Government in 1925 from the American Legion. The approximate boundary of the property is shown in Figure 1 (Appendix A). (Kerr Central Appraisal District 2009)

2.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The Kerrville Division of the South Texas Veterans Health Care System is located at 3600 Memorial Blvd, Kerrville, Texas. The Kerrville Division, STVHCS campus is bordered on the northwest by Loop 534, and in all other directions by private property with the exception of where the property adjoins Memorial Blvd. This small section of property along Memorial Blvd. is where the main entrance to the Kerrville Division, STVHCS is located.

The VA is offering one area on the Kerrville Campus for the EUL Program. The site is located in the southernmost corner of the Kerrville Division, STVHCS campus, and totals approximately 5 acres. The site is bordered to the east and north by the entrance drive to the Kerrville Division, STVHCS from Memorial Blvd. The Kerrville Division, STVHCS property boundary is to the southwest and undeveloped Kerrville Division, STVHCS property is to the southeast of the EUL site.

Zoning information is available on the City of Kerrville Planning website. The 3600 Memorial Blvd parcel is within Kerrville Zoning District 29-E. District 29-E includes the Kerrville Division, STVHCS and all surrounding parcels. The city of Kerrville Planning Division defines District E-29 as follows:

District 29-E: District 29-E is primarily to be developed with professional offices, personal services, retail limited to smaller buildings, and residential uses which will compliment and enhance the eastern entrance into the City from State Highway 27. Development should also be designed as to not unreasonably adversely affect the operations of the Veteran's Administration Hospital, which is located within District 29-E.
(City of Kerrville, 2009)

The City of Kerrville Comprehensive Plan Future Land Use Map has designated the following land uses in relation to the Kerrville Division, STVHCS. The Kerrville Division, STVHCS is designated as public/institutional. Properties adjoining the Kerrville Division, STVHCS to the west and all other properties at the intersection of Loop 534 and Memorial Highway: general commercial. Properties to the northwest, across Loop 534 from the Kerrville Division, STVHCS: mixed use. Properties directly north of the Kerrville Division, STVHCS and beyond Legion Drive: multi-family residential. Properties adjoining Kerrville Division, STVHCS to the northeast: public/institutional. Properties beyond Legion Drive to the northeast: mixed use. Properties to the west of the Kerrville Division, STVHCS and Highway 100: rural development and public/institutional. Directly adjacent to the Kerrville Division, STVHCS property to the southeast and farther south beyond Memorial Blvd.: park land. An excerpt of the City of Kerrville future land use map cropped to show the Kerrville Division, STVHCS and adjoining properties is provided in Figure 2, Appendix A. (City of Kerrville Planning Division, 2002)

2.3 CURRENT USE OF THE PROPERTY

The VA owns the property and operates it as a medical facility for long term, mental health, and outpatient primary care services. The EUL parcel consists of grassy open space with sporadic trees.

2.4 DESCRIPTION OF ONSITE STRUCTURES, ROADS, AND IMPROVEMENTS

The Kerrville Division, STVHCS property includes 70 acres of land and 39 buildings. The buildings were constructed as early as 1923 by the American Legion following WWI. There is one main road that winds through the campus and is accessible via either Loop 534 (from the North) or Memorial Blvd (from the south). Photographs of the subject site during a July 2009 site visit are provided in Appendix B.

2.5 CURRENT USE OF ADJOINING PROPERTIES

The following adjacent land uses were noted:

- West and Northwest — Residential, Commercial.
- North — Multifamily Residential, Industrial, Kerr County Juvenile Detention Facility, Legion Hills Fire Station, Undeveloped.
- East — Cemeteries, Texas Lions Camp.
- Southeast — Golf course, Little League Fields, Agriculture.
- South — Commercial, Parkland.
- Southwest — Residential, Commercial, Industrial.

3. SITE INFORMATION

An interview was conducted with Mr. Michael Bowlby, Division Manager, Engineering Service at the Kerrville Division, STVHCS.

Mr. Bowlby has been employed at the campus for 13 months. Information obtained from the interview was incorporated into Section 5.

3.1 TITLE RECORDS

A chain-of-title report, copy of the current deed, and legal description of the property was not provided for review by the user as part of this investigation. Limited history of ownership information was obtained by ARGO as is discussed in Sections 2.1 and 3.5 of this report.

3.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

No environmental liens were found in connection with this property.

3.3 SPECIALIZED KNOWLEDGE

No specialized knowledge regarding the property was identified during this ESA. The term “specialized knowledge” means information regarding the environmental condition of the property that would not be available in public records or other sources as referenced in this report and could only be obtained from disclosure by the owner, occupants, or operators on the property from personal experience.

3.4 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

Because the property has been owned by the US Federal Government since the 1920s, no property transactions have occurred which would allow for potential valuation reduction due to environmental issues.

3.5 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

The subject site is owned and occupied by the VA. The buildings were constructed in 1923 by the American Legion, and the property continues to be called ‘Legion’ by local residents. In

1925, the American Legion granted the property to the United States Government. The facility began operations as the Kerrville Division, STVHCS in 1947. The Kerrville Division, STVHCS is part of the South Texas Veterans Health Care System (STVHCS) and the Heart of Texas Veterans Integrated Service Network (VISN 17). Ms. Marie L. Weldon is the Director and Ms. Vicki Kendrick, VACHE, MSHA, is the Associate Director of the STVHCS.

Dr. Greg Smith is the Chief Medical Officer at the Kerrville Division, STVHCS. The facility is used for primary and long term care, as well as acute and intermediate medical care for an estimated 16,000 United States Veterans in the Texas Hill Country.

The EUL parcel is not currently in use by the Kerrville Division, STVHCS. The site is open space with some trees.

3.6 REASON FOR PERFORMING THE PHASE I ESA

This assessment was requested by the VA as part of the Enhanced Use Lease (EUL) Program. The Phase I ESA is being completed to provide the VA and other parties with information regarding the environmental condition of the site prior to further planning as described herein.

4. RECORDS REVIEW

A Radius Map report was obtained from EDR for use in preparation of this Phase I ESA report. The EDR report was obtained to fulfill the requirements pertaining to standard environmental record sources as well as supplementary information considered additional environmental records. A copy of the EDR database report is presented in its entirety in Appendix D-1. Additionally, explanations of the content of the databases are provided directly within the EDR report in Appendix D-1.

4.1 STANDARD ENVIRONMENTAL RECORD SOURCES

The following required federal, state and tribal environmental databases were reviewed as part of this investigation:

- Federal National Priorities List (NPL) list
- Federal Proposed NPL list
- Federal Delisted NPL list
- Federal NPL Liens list
- Federal Comprehensive Environmental Response, Cleanup, and Liability Information System (CERCLIS) list
- Federal CERCLIS-No Further Remedial Action Planned (NFRAP) list
- Federal Resource Conservation and Conservation Act (RCRA) Corrective Action Sites (CORRACTS) list
- Federal RCRA non-CORRACTS Transporters, Storage, and Disposal Facility (TSDF) list
- Federal RCRA-generator list
- Federal Emergency Response Notification System (ERNS) list
- Federal Institutional Controls list
- Federal Engineering Controls list
- State Superfund (SHWS) list
- State Closed Landfill Inventory (CLI)

- State Commercial Hazardous and Solid Waste Management Facilities List
- State Underground Storage Tank (UST) list
- State Leaking Underground Storage Tank (LUST) list
- State Voluntary Cleanup Program (VCP) list
- State Sites With Controls List (AUL)
- Leaking Petroleum Storage Tank Database (LPST)
- Indian VCP list
- State Institutional Control list
- Indian Reservation list
- Indian LUST list
- Indian UST list

Database findings indicate that there are 4 facilities located within the ASTM recommended search distance of the subject site that are listed in the SWF/LF, LPST, and UST/AST databases. The subject site was listed on two of the above databases.

- *BFI and City of Kerrville Landfill*, is identified in the SWF/LF and TIER 2 databases. Information contained in the EDR regulatory database report indicates that the facility is listed as an active landfill with chemical storage onsite. The landfill is located between $\frac{1}{4}$ and $\frac{1}{2}$ mile from the subject site.

Based on the distance from the subject site and local drainage patterns (the presence of Third Creek in between the facility and the subject site), the probability of adverse impact to soil, groundwater, or other resources of the subject site is considered to be very low.

- *Palace Café*, is identified in the LPST and UST databases. The property is located at an equal or higher elevation than the Kerrville Division, STVHCS. Information contained in the EDR regulatory database report indicates that three USTs were located at the facility and all have been removed from the ground. The LPST event was reported in 1991, resulting in soil contamination with no remedial action required. The LPST case is now closed following the issuance of a final concurrence. The property is located between $\frac{1}{4}$ and $\frac{1}{2}$ mile from the subject site.

Based on the distance from the subject site and local drainage patterns (the presence of the Guadalupe River in between the facility and the subject site), the probability of adverse impact to soil, groundwater, or other resources of the subject site is considered to be very low.

- *Kerrville Division, STVHCS* is identified in the LPST and UST/AST databases. Information contained in the EDR regulatory database report indicates that the facility is listed as having two reported LPST events. The 1987 event resulted in impacted groundwater with no apparent threats or impacts to receptors. Final concurrence is pending documentation of well plugging. The 1992 event, for which the case is now closed, caused no groundwater impact and no apparent threats or impact to receptors. The Kerrville Division, STVHCS had 5 USTs and 1 AST. Two UST tanks were filled in place and three were removed from the ground. One AST, which is still in use, was identified at the Kerrville Division, STVHCS in the EDR report.

Based on the findings of subsequent investigations of leak events (LPST), which found no apparent threats or impacts to receptors, as well as the absence of any other reported leaks, this facility is considered to have a very low probability of adverse impact to soil, groundwater, or other resources at the subject site.

- *Calhoun County PCT (Precinct) # 1*, is identified in the UST database. Information contained in the EDR regulatory database report indicates that the facility is listed as having removed one UST from the ground. The property is located between 0 and 1/8 mile from the subject site.

Based on the absence of any reported leaks, this facility is considered to have a very low probability of adverse impact to soil, groundwater, or other resources at the subject site.

- *Orphan Sites*, Three orphan (unmappable) sites were included in either the LPST or SPILLS databases. Descriptions are as follows:
 - *Cypress Creek Ranch*, is identified in the TX LPST database. The leak was reported in June of 1990, caused mirror soil contamination, did not require a remedial action plan, and the case is now closed.
 - *HWY 173 SE Near Kerrville*, is a site owned by the River Hill Country Club. An unknown amount of pesticides were spilled. The spill occurred in September 1988.

The site is listed as adequately cleaned up and having not affected any bodies of water

- *Former Kerrville Car and Truck Sales*, is identified in the TX LPST database. The leak reported date is unknown. The information was entered into the database in January of 1997. The incident impacted a designed major or minor aquifer. The case is now closed.

4.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES LOCAL RECORDS

4.2.1 Additional Databases

The following additional federal, state and tribal environmental databases were obtained from EDR and reviewed as part of this investigation:

- Federal Department of Defense (DOD) list
- Federal Formerly Used Defense Sites (FUDS) list
- Federal Brownfields list
- Federal Superfund (CERCLA) Consent Decrees (CONSENT) list
- Federal Record of Decision (ROD) list
- Federal Uranium Mill Tailings Site (UMTRA) list
- Federal Open Dump Inventory (ODI) list
- Indian ODI
- Torres Martinez Reservation Illegal Dump Site Locations
- Historic Landfill list
- Federal Toxic Chemical Release Inventory System (TRIS) list
- Federal Toxic Substances Control Act (TSCA) list
- Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)/TSCA Tracking System (FTTS) list
- Federal FTTS Inspections and Enforcements list
- Federal Historical FTTS

- Federal Section 7 Tracking System (SSTS) list
- Federal CERCLA Lien Information
- Federal Polychlorinated Biphenyl (PCB) Activity Database (PADS) list
- Federal Radiation Information (RADINFO) list
- Federal Clandestine Drug Labs (CDL) list
- Federal Integrated Compliance Information System (ICIS) list
- Federal Land Use Control Information System (LUCIS) list
- Federal Department of Transportation, Office of Pipeline Safety (DOT OPS) Incident and Accident Data list
- Federal Material Licensing Tracking System (MLTS) list
- Federal Mines Master Index File (MINES) list
- Federal Facility Index System (FINDS) list
- Federal RCRA Administrative Action Tracking System (RAATS) list
- State Brownfields list
- State National Pollutant Discharge Emissions System (NPDES) Wastewater Permitting list
- Certified Hazardous Waste Resource Recovery Facilities
- State Permitting and Facility Information (AIRS) list
- State Aboveground Storage Tank (AST) list
- State Drycleaners list
- State Coalition for Remediation of Drycleaners Listing (SCRD)
- Manufactured Gas Plants
- Deleted Superfund Registry Sites (Del SHWS)
- Dry Cleaner Remediation Program Prioritization List (PRIORITY CLEANERS)
- Notice of Violations List (ENF)
- Industrial and Hazardous Waste Database (Ind. Haz Waste)
- Edwards Aquifer Permits (ED AQUIF)

- Municipal Settings Designation Database (USD)
- Tier 2 Chemical Inventory Reports (Tier 2)
- Radioactive Waste Sites (RWS)

Database findings indicate that there are no facilities included within the EDR regulatory database report that are listed in the any of these databases.

4.3 PHYSICAL SETTING SOURCES

4.3.1 Topography

The subject site is located on the United States Geological Survey (USGS) Legion, Texas 7.5 minute topographic quadrangle map no. N3000-W9900 (USGS 1982). The elevation of the subject site is approximately 1,600 feet above mean sea level. The site is relatively flat, but the topographic gradient is in a general downward direction from north to south.

Karst formations are common in the Hill Country of Texas, where the Kerrville Division, STVHCS is located. Karst topography is found in areas with soluble bedrock such as limestone or dolomite. Water flow causes the bedrock to wear away resulting in sinkholes and cave formations. The City of Kerrville is a place of dense urban development. Karst may or may not be a problem on the site, but developers should be aware of the potential issues associated with this type of topography.

The nearest surface water features are Guadalupe River to the southwest and a stormwater or other type of holding pond to the northeast. Guadalupe River is approximately ¼ of a mile and the pond is approximately ½ mile from the subject site.

4.3.2 Geology

Kerr County, Texas is located in Texas Hill County. The hilly terrain is disrupted by limestone outcroppings and a thin layer of topsoil. Natural features include caves and sinkholes as a result of karst topography and below ground erosion of limestone rock. The surface geology is from the Cretaceous geologic age, of the Comanche Series (Bureau of Economic Geology, 1976). The dominant landscape in Hill Country includes prairie, oak open forest, and dense juniper brakes.

4.3.3 Soils

Review of the United States Department of Agriculture (USDA) Web Soil Survey (websoilsurvey.nrcs.usda.gov), indicates that the subject site is located in an area comprised of Nuvalde silty clay type with estimated slopes between 0 and 1 percent as well as Tarpley-Roughcreek association type with gently undulating slope. The survey results indicate that the Nuvalde soils make up approximately 70% of the site, while the remaining 30% are Tarpley-Roughcreek. The Nuvalde soils are found in the southern portion of the site. The two soils types appear to be divided along a predominantly east-west boundary. Soils of the both the Nuvalde and Tarpley-Roughcreek association series are derived from limestone, are well-drained with no frequency of flooding or ponding, and possess desirable physical qualities that make them well suited to most agricultural and urban uses. Results of the Web Soil Survey are provided in Appendix E-3. (USDA, 2009)

4.3.4 Wetlands and Floodplain

Identification of wetlands is beyond the scope of a Phase I ESA. However, from a cursory review of information from Fish and Wildlife Service (FWS) National Wetlands Inventory (NWI) indicates that no wetlands are present on the site.

The FEMA floodplain does not cover the site; however, it does come within 1/8th of a mile from the site. The floodplain of concern is to the south of the site, adjacent to the Guadalupe River which is dammed just to the south of where it passes by the Kerrville Division, STVHCS to form Flat Rock Lake.

Distribution of wetlands and floodplains are provided in the EDR report (Appendix E-2).

4.4 HISTORICAL USE - PROPERTY AND ADJOINING PROPERTIES

The following discussions are presented for the purpose of compiling historical information on activities that have occurred on the subject site in the past.

Based upon interviews, and a review of historical information as included in the following sections, the subject site is currently used as a Medical Center by the VA. The United States Government has owned the property since at least 1925, when it was granted by the American Legion to the federal government.

4.4.1 Historical Topographic Maps

Historical topographic maps dated 1894, 1964, 1979, and 1982 were reviewed as part of this assessment. Copies of the topographic maps are presented in Appendix C-1. Observations made from the reviewed aerial photographs are presented in the following table.

Year	Property Use	Adjacent Property Use
1894	No development is visible on the property.	Adjacent property use is not visible on the map due to scale of the map.
1964	Forty-five buildings appear on the Kerrville Division, STVHCS property. Fifteen large buildings are present at the center of the campus. Nineteen buildings are visible in the southern portion of the campus bordering a side road. The Southern Pacific Railroad line transects the southwest section of the target property, roughly parallel to Memorial Blvd.	Adjacent property to the east is undeveloped with the exception of a few small buildings, presumable houses along Highway 100. Adjacent land to the south is undeveloped along the Guadalupe River with the exception on one large building and an athletic field. The adjacent properties to the west are densely developed; it is part of downtown Kerrville. Immediately adjacent properties to the north are not developed.
1979	One large and eleven small buildings remain at the center of the campus. The remaining large buildings are no longer present. The nineteen buildings in the southern portion of the campus are no longer present. The Southern Pacific Railroad line is no longer present.	Adjacent areas appear unchanged since 1964.
1982	Same as 1979.	Same as 1979.

4.4.2 Aerial Photographs

Historic aerial photographs dated 1955, 1968, 1976, 1981, 1995, 2004, 2005, and 2006 were reviewed as part of this assessment. Copies of the historical photos are presented in Appendix C-2. The results of this review are included in the following table.

Year	Property Use	Adjacent Property Use
1955	There is a building in the northeastern corner of the EUL parcel. The remainder of the parcel is open space with trees along the roadside. A series of small buildings along a Kerrville Division, STVHCS side road are to the east/northeast of the EUL site. Kerrville Division, STVHCS property to the west and north of the EUL site is open space with scattered trees.	Road construction or realignment appears to be taking place to the south and southwest. The 'American Legion Hut' is a building across Memorial Blvd to the south of the EUL property.
1968	Same as 1955 with one exception, the series of small buildings on the Kerrville Division, STVHCS property has been removed; however building footprints are visible.	Same as 1955
1976	Same as 1955. Image is not clear; the building may have been removed.	Same as 1968.
1981	Building has been removed. EUL parcel is open space with trees along the roadside and scattered within the parcel. The road on which the series of Kerrville Division, STVHCS buildings was located seems to be in limited use.	Same as 1968.
1995	Same as 1981 with fewer trees.	Development has occurred on the parcel adjacent to the EUL site, south of the Kerrville Division, STVHCS property and across Memorial Blvd to the south. All other adjacent properties are the same as 1981.
2004	Same as 1995.	Same as 1995.
2005	Same as 1995.	Same as 1995.
2006	Same as 1995.	Same as 1995.

4.4.3 Fire Insurance Maps

Records of Sanborn Fire Insurance Maps were searched as part of this assessment. None were found. A copy of the EDR Sanborn Report is presented in Appendix C-3.

4.4.4 Local Street Directories

Polk city directories dated 1952, 1962, 1968, 1983, 1987, and 1993 were reviewed by EDR (EDR 2009). The city directory reviews have been summarized in the discussions below.

4.4.4.1 Subject Site

Source	Date	Subject Site
Page	1952	Property not listed
Polk	1962	Property not listed
Polk	1968	Property not listed
Polk	1983	Property not listed
Polk	1987	Property not listed
Polk	1993	Property not listed

4.4.4.2 Adjoining Properties

Source	Date	Adjacent Sites
Page	1952	No properties found
Polk	1962	No properties found
Polk	1968	Veterans Administration Medical Center – 3500 Memorial Blvd.
Polk	1983	Veterans Administration Medical Center – 3500 Memorial Blvd. Moldonando Bros Nursery – 3603 Memorial Blvd.
Polk	1987	Veterans Administration Medical Center – 3500 Memorial Blvd. Moldonando Brothers Nursery Inc. – 3603 Memorial Blvd.
Polk	1993	Veterans Administration Medical Center – 3500 Memorial Blvd. Moldonando Brothers Nursery – 3603 Memorial Blvd. Moldonando Landscaping – 3603 Memorial Blvd. Kerr County Federal Credit Union – 3700 Memorial Blvd.

4.4.5 Prior Environmental Reports

None.

5. SITE RECONNAISSANCE

5.1 METHODOLOGY AND LIMITING CONDITIONS

An ARGO environmental professional conducted a site visit of the subject site which consisted of a thorough walkover survey of the accessible areas and interviews with facility personnel. On-site activities and/or interviews were conducted on 1 July 2009 by Mr. Derek Arnold, with:

- Mr. Michael Bowlby, South Texas Veterans Health Care System, Kerrville Division, Manager, Engineering Service.

ARGO interviewed and was accompanied by Mr. Bowlby during the on-site assessment. No areas of the subject site were inaccessible.

The grounds of the property were observed for evidence of surface and subsurface disturbances including waste accumulations and debris, discolored soil, stressed vegetation, unusual mounds or depressions, pipes, standing water, and other indicators of potential contamination. The information obtained during the site reconnaissance was corroborated with several other sources for consistency and completeness. Data gaps, if any are identified within the findings. The subject property has been owned by the U.S. Government for over 84 years and has been used and managed by the VA for the past 62 years.

Weather conditions at the time of the assessment were mostly sunny, with temperatures in the high 90s Fahrenheit.

5.2 GENERAL SITE SETTING

The subject site consists of an undeveloped parcel of approximately 5 acres. The site has not been developed and includes some trees. The parcel is located in the southern most corner of the campus. It is bordered to the southwest by the property line, to the northwest by the entrance road, to the northeast by another Kerrville Division, STVHCS road, and to the southeast by Kerrville Division, STVHCS undeveloped land.

5.3 INTERIOR OBSERVATIONS

There are no interior observations to report; the subject site is undeveloped.

5.4 EXTERIOR OBSERVATIONS

The following information documents the exterior observations of the subject site:

- The site is mainly an open, grassy field, with only a small number of mature trees interspersed throughout.
- There was a water hose hooked up at the base of one tree, indicating that water service exists at the EUL parcel. No VA water service will be provided. EUL subject will need to acquire their own utilities from the Easement off of Memorial Blvd (Borders property). See Appendix E4 for a partial drawing of utilities located on the parcel.
- The site is bounded by a chain-link fence on the south and east, and by Kerrville Division, STVHCS roads on the west and north.
- There is a gate in the chain-link fence on the eastern part of the property where the old railroad used to enter the property.
- Extending from this fence into the interior of the property is a “road” of concrete. It is weathered and worn, but readily apparent. This is the area where the Southern Pacific Railroad formerly entered the property.

5.5 INTERVIEWS

An environmental professional conducted interviews with Kerrville Division, STVHCS personnel knowledgeable about the property and activities associated with it. Documentation of the interviews conducted as part of this investigation is contained in Appendix E-1.

5.6 INTERVIEW WITH OWNER

The owner of the property is the United States Veterans Administration. Federal site representatives were interviewed as noted in Section 5.5.

5.7 PRESENT AND PAST SITE MANAGER INTERVIEW(S)

Mr. Michael Bowlby, Engineering Service Manager at the Kerrville Division of the STVHCS, was interviewed for the purposes of this investigation. Information obtained through this interview has been incorporated and referenced throughout this report.

Mr. Bowlby indicated that, to the best of his knowledge, he is not aware of any environmental cleanup liens against the property or of any activity and use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law.

Mr. Bowlby was questioned regarding commonly known or reasonably ascertainable information about the subject site that would help the Environmental Professional to identify conditions indicative of releases or threatened releases such as past uses of the subject site, specific chemicals that are present or once were present at the subject site, spills or other chemical releases that have taken place on the subject site, or any environmental cleanups that have taken place at the subject site.

According to Mr. Bowlby, there was, at one point in the past, a railroad located on the EUL parcel. This railroad is visible on old site drawings. Associated with the railroad tracks were two underground storage tanks, which have since, along with the tracks, been removed. See Appendix E4 for a site drawing from 1984 that shows location of former USTs.

5.8 PRESENT AND PAST OCCUPANT INTERVIEW(S)

ARGO did not attempt to interview any present or past occupants of the subject site, as they were not reasonably ascertainable, and present site manager interviews (section 5.7) provided adequate information.

5.9 LOCAL GOVERNMENT OFFICIAL INTERVIEW(S)

No local government personnel were interviewed as part of this assessment as information pertaining to the subject site. Because information was available through in-person review of documents at the site, additional local interviews were not likely to be useful in discovery of additional RECs.

5.10 INTERVIEWS WITH OTHERS

None.

6. FINDINGS

The findings presented below identify known or suspected recognized environmental conditions, known or suspected historical recognized environmental conditions, and *de minimus* conditions.

6.1 DATA GAPS

A data gap is defined by ASTM E 1527-05 as a lack of or inability to obtain information required by this practice despite good faith efforts by the Environmental Professional to gather such information. Data gaps may result from the incompleteness in any of the activities required by this practice including, but not limited to, the site reconnaissance, interviews, and historical research. Failure to achieve the historical research objectives identified in the standard is termed a data failure and is a type of data gap.

No data gaps were identified.

7. OPINION

Based on the results of the assessment, no environmentally related conditions, including no RECs, historical RECs, or *de minimus* conditions, were identified in connection with subject site.

8. CONCLUSIONS

ARGO has performed this Phase I ESA in conformance with the scope and limitations of ASTM E 1527-05 of 3600 Memorial Blvd, Kerrville, Texas, the property. Any exceptions to, or deletions from, this practice are described in Section 11. This ESA has revealed no evidence of RECs in connection with the property.

9. RECOMMENDATIONS

No further action or investigation is recommended at this time.

10. DEVIATIONS

None.

11. ADDITIONAL SERVICES

11.1 NATURAL AREAS

Kerrville County, Texas has 3 endangered species listed by the EPA; two birds and one plant. The listed endangered species are the Black-Capped Vireo, the Golden-Cheeked Warbler (wood), and the Tobusch Fishhook Cactus.

The Balcones Canyonlands, sub-region of the Edwards Plateau, contains six amphibians, nine birds, nine fish, nineteen invertebrates, four mammals, three plants, and four reptiles listed as threatened or endangered in the Texas Threatened and Endangered species Database.

No Wilderness Areas or Wildlife Preserves are located within 1 mile of the property.

11.2 HISTORIC SITES

Two mapped sites were found in EDR's search of available government records within the search radius (1 mile) around the target property. The Brown Cemetery is within ½ mile from the subject site. The Texas Lions Camp is within 1 mile of the subject site. Both historic properties are to the east of the Kerrville Division, STVHCS. Five unmappable historic sites were found in the same search; Cowboy Artists of America Museum, Cypress Creek Cemetery, Marker for James Kerr, Roggenbucke Homestead, and Schreiner College (Schreiner Institute).

11.3 FLOODPLAIN

The target property is not located in either the 100-year or the 500-year flood zones. However, the 100 year floodplain for the Guadalupe River, and the River itself, are located within ¼ mile of the subject site.

11.4 WETLANDS

No areas on the target site appear on the National Wetlands Inventory Map.

11.5 LEAD BASED PAINT AND ASBESTOS

The subject site is not developed and therefore unlikely to contain lead-based paint or asbestos.

11.6 RADON

Radon data was collected by EDR. The property is located in an EPA Radon Zone 3 area. These areas have a predicted average indoor radon screening level < 2 pico curies per liter (pCi/L). High radon concentrations (4 – 20 pCi/L) were reported in 1 of the 13 test sites recorded in the same zip code (78028). Average radon activity for the 13 test sites was 1.600 pCi/L and no sites tested higher than 20 pCi/L.

11.7 FCC & FAA SITES

There is 1 FCC/FAA tower located 1 mile of the subject property. The tower record is for a license and does not indicate that the site has or has not been built. There is 1 FAA DOF sites within 1 mile of the subject property. There is 1 Airport within 1 mile of the subject property. The airport is a heliport owned by the Kerrville Division, STVHCS.

12. REFERENCES

The following sources of information were consulted as a part of this ESA.

ARGO Systems, Inc, 2009. Site reconnaissance by Mr. Derek Arnold. 1 July 2009.

ASTM Standard Practice for Environmental Site Assessments: Phase I ESA Process, (ASTM E 1527-05).

Bowlby, Michael. Personal communication and interview between Mr. Derek Arnold and Mr. Michael Bowlby of the Kerrville Division, STVHCS. 1 July 2009.

Bureau of Economic Geology , The University of Texas, Board of Regents, 1976. '*Geologic Map of Texas*, ' 1933. www.lib.utexas.edu/maps/atlas_texas/, accessed 30 July 2009.

CERCLA, Comprehensive Environmental Response, Compensation and Liability Act of 1980.

City of Kerrville GIS Division, 2009. City of Kerrville Interactive GIS Map. <http://gisweb.kerrville.org/>. accessed 29 July 2009.

City of Kerrville Planning Division, 2009. Zoning Map and Code. <http://www.kerrville.org/index.aspx?NID=363>, accessed 29 July 2009.

City of Kerrville Planning Division, 2002. Kerrville Comprehensive Plan. Land Use, Future Land Use Map, <http://www.kerrville.org/index.aspx?nid=362>, accessed 29 July 2009.

Environmental Data Resources, Inc. (EDR), 2009. The EDR Radius MapTM Report with GeoCheck®. Inquiry 2528715.2s.

Kerr Central Appraisal District, 2009. Property Search for 3600 Memorial Blvd. <http://www.kerrcad.org/>, accessed 29 July 2009.

U.S. Department of Agriculture (USDA), 2008. Web Soil Survey of Kerrville County, Texas. <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>, accessed 29 July 2009.

U.S. Geological Society (USGS), 1982. 7.5-Minute Cottondale Texas Quadrangle Map.

13. SIGNATURE(S) OF THE ENVIRONMENTAL PROFESSIONAL(S)

We declare that, to the best of our professional knowledge and belief, we meet the definition of an Environmental Professional as defined in Section 312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and expertise to assess a property of the nature, history, and setting of the subject site. We have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

R.D. Roop

9/24/2009

R.D. Roop, Certified Environmental Professional
Project Manager

Date

Derek Arnold

9/24/09

Derek Arnold
Scientist

Date

Jeff Johnson

9/24/09

Jeff Johnson
Senior Technical Reviewer

Date

14. QUALIFICATIONS OF THE ENVIRONMENTAL PROFESSIONAL(S)

Robert Dickinson Roop, ARGO Systems LLC, Task Manager and Environmental Scientist

M.A. / Ecology / State University of New York / 1975

B.A. / Biology/ Hiram College / 1971

Years of relevant experience: 33

Derek Arnold, ARGO Systems, LLC, Environmental Scientist

M.S./ Civil & Environmental Engineering/ UMBC / 2009 (Expected)

B.S./ Biochemistry & Molecular Biology/ University of Maryland, Baltimore County / 2004

Years of relevant experience: 3

Jeffrey P, Johnson, ARGO Systems, LLC, Environmental Engineer and Chief Operation Officer

B.S. / General Engineering / U.S. Naval Academy / 1979

M.S./Administrative Science / Johns Hopkins Univ. / 1985

Years of relevant experience: 27

Appendix A

Figures

Appendix A shows two figures. The first is an aerial image of the Kerrville Division, STVHCS Campus. A heavy line has been added to the approximate boundary of the property for the purpose of showing the limits of the Campus. The proposed EUL parcel is shaded in the image to highlight its location. The second figure is the Kerrville Comprehensive Plan Future Land Use Map for Kerrville Division, STVHCS and surrounding properties, provided by the City of Kerrville Planning Department. This figure shows a map of the Campus and surrounding area, with areas shown in different colors delineating their future land use classification.



Figure 1. Kerrville Division, STVHCS Property, showing proposed EUL areas.

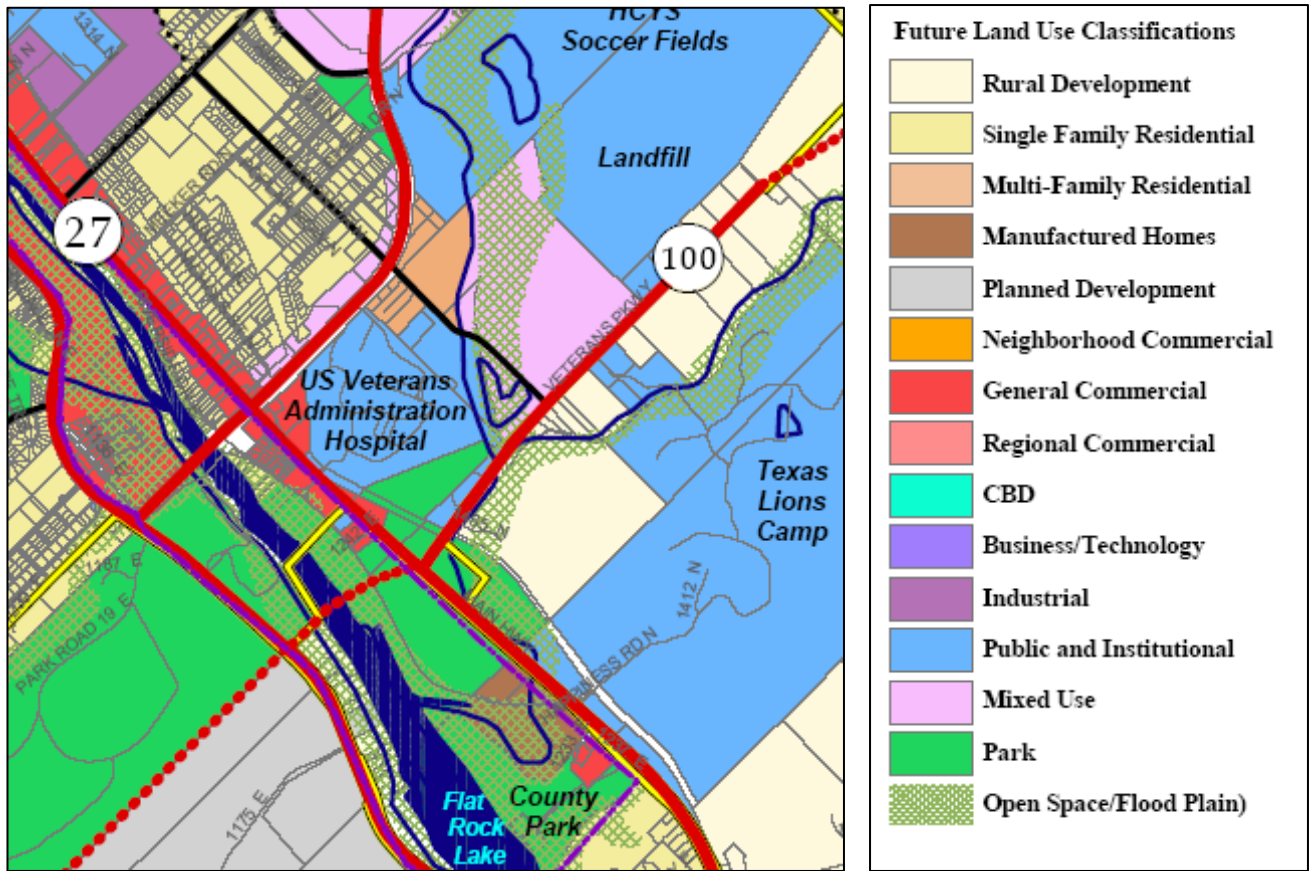


Figure 2: Kerrville Comprehensive Plan Future Land Use Map for Kerrville Division, STVHCS and surrounding properties. Courtesy of Kerrville Planning Department.

Appendix B
Site Photographs

Appendix B contains photographs of the Kerrville Division, STVHCS site, taken during the site visit. Each photograph has an individualized caption, which explains what is shown in the image.



Close up of main building of Kerrville Division, STVHCS.

View of main building of Kerrville Division, STVHCS from EUL parcel (facing north).



View of main building of Kerrville Division, STVHCS from EUL parcel (facing north).

Main building of the Kerrville Division, STVHCS, view from the entrance road, EUL parcel is to the right.



View of EUL parcel, main building of Kerrville Division, STVHCS is behind photographer.

View of main entrance road to Kerrville Division, STVHCS from Memorial Blvd., EUL parcel is in the left side of image, main building of Kerrville Division, STVHCS is behind photographer.





View of EUL parcel from immediately Northeast - chain link fence visible.

View of main entrance drive to Kerrville Division, STVHCS from EUL parcel.



View of water towers, facing north from EUL parcel.

Concrete road debris
to immediate
northeast of EUL
parcel.



Debris pile to immediate
Northeast of EUL parcel.
Main building of Kerrville
Division, STVHCS visible
in background.

Debris, above
ground power lines,
and trees to
immediate northeast
of EUL parcel





View of the EUL parcel, standing in the parcel facing East

Gate in the chain-link fence on the eastern part of the property. Southern Pacific Railroad entered the property at this point.



View of the EUL parcel facing northeast. Debris piles in previous photos are visible in the distance.



Remnants of concrete road running through EUL parcel

Close-up of remnants of concrete road running through EUL parcel



Remnants of concrete road running through EUL parcel in the foreground. Buildings across Memorial Blvd from EUL site and fence bordering EUL site in background.



Chain link fence bordering EUL site along Memorial Blvd and southern portion of EUL site.

Chain link fence along southern borders of EUL site.



Gate in chain link fence along Memorial Blvd.



Metal utility box located within the EUL parcel.

Stormwater drainage area to immediate west of EUL parcel.



Debris pile in area to immediate northeast of EUL parcel.



City of Kerrville
Municipal
Landfill to the
north of the
Kerrville
Division,
STVHCS

View of the
Landfill from
Loop 534





Brown Cemetery Historic Place Marker

View of VA Cemetery through chain link fence from area immediately northeast of EUL parcel.



Appendix C

Historical Research Documentation

Appendix C shows historical topographic maps and historical aerial photos of the Kerrville Division, STVHCS and surrounding area. There are 4 historical topographic maps, one each from 1894 (1:125,000 scale), 1964 (1:24,000 scale), 1979 (1:50,000 scale), and 1982 (1:24,000 scale). There are then 8 historical aerial photos, one each from 1955 (1:500 scale), 1968 (1:500), 1976 (1:500), 1981 (1:500), 1995 (1:500), 2004 (1:500), 2005 (1:604), and 2006 (1:604). The final page in Appendix C is a Certified Sanborn Map (Fire Insurance) for the Kerrville Division, STVHCS property. This page states that fire insurance maps covering this property were not found.

Appendix C-1

Historical Topographic Maps



Kerrville VAMC

3610 Memorial Blvd.

Kerrville, TX 78028

Inquiry Number: 2528715.4

June 29, 2009

The EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

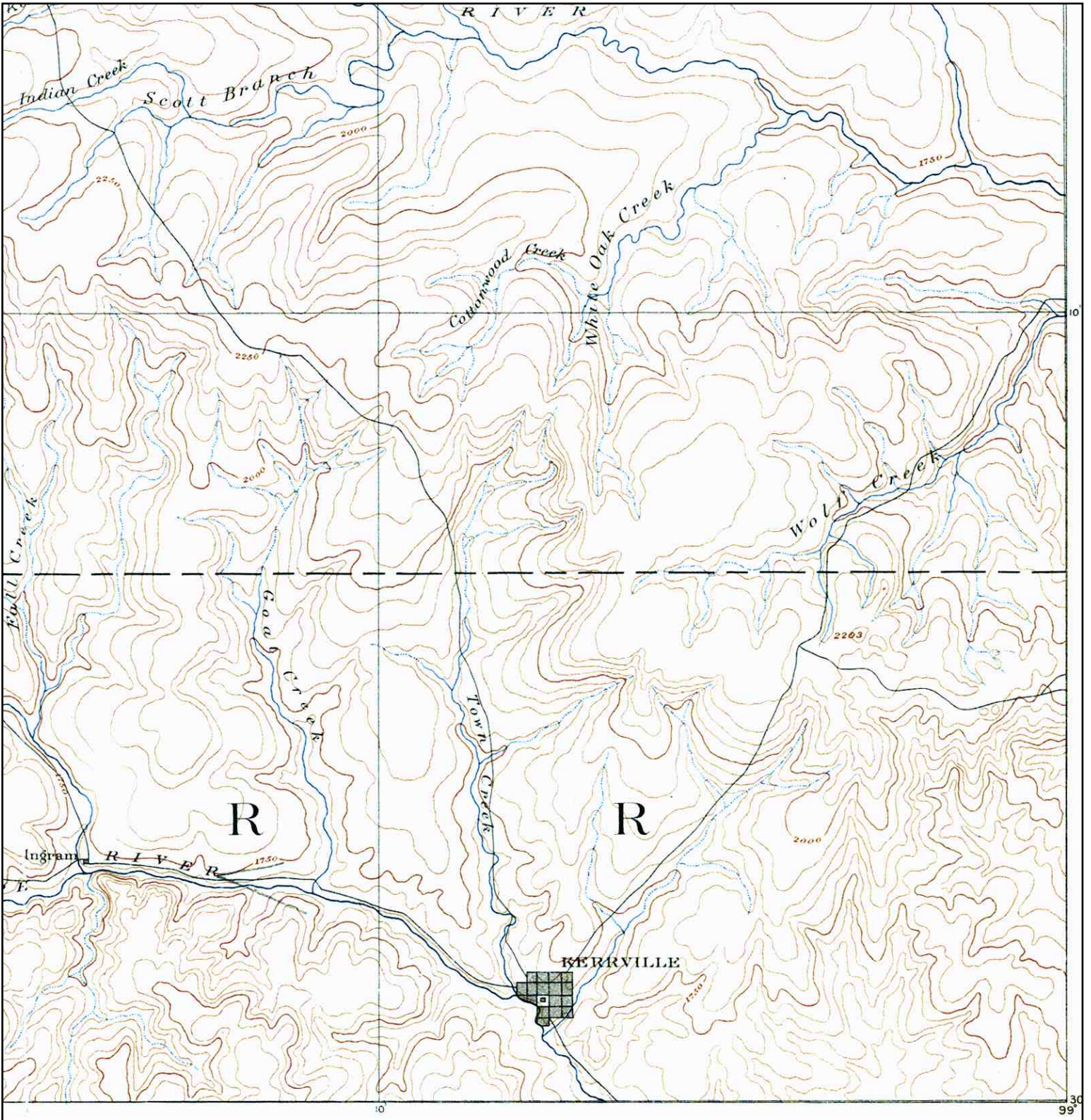
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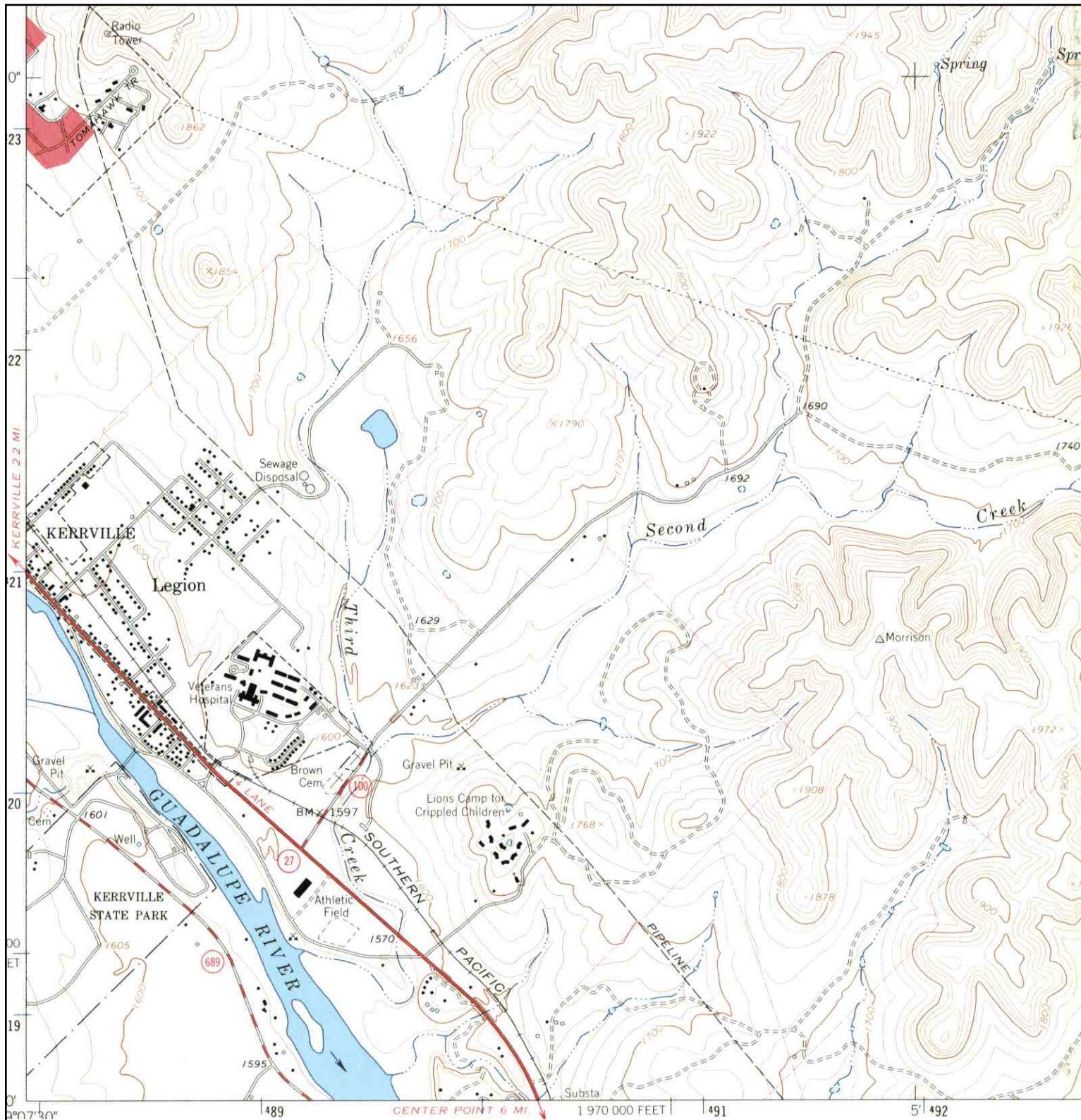
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Historical Topographic Map



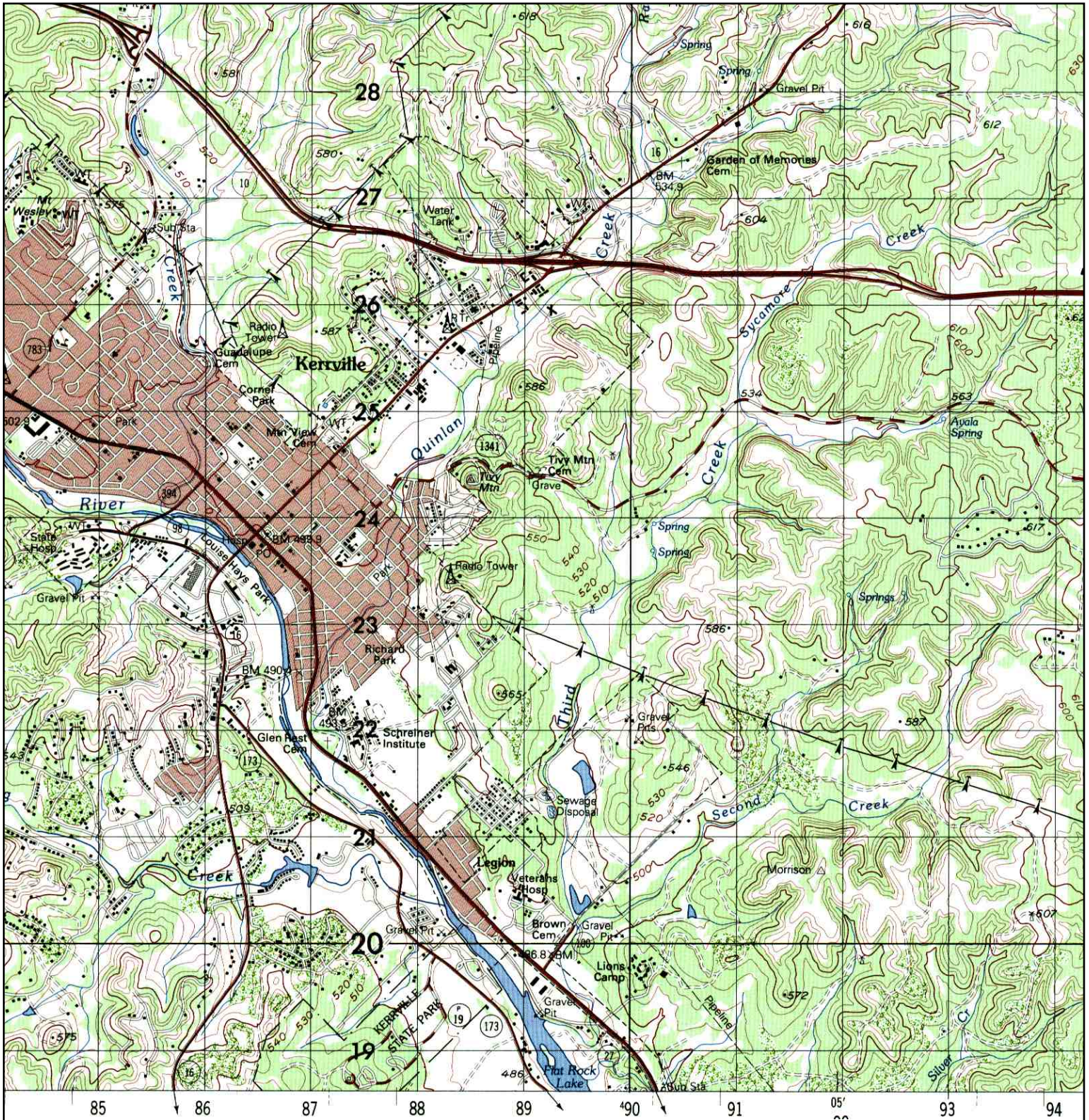
	TARGET QUAD NAME: KERRVILLE MAP YEAR: 1894	SITE NAME: Kerrville VAMC ADDRESS: 3610 Memorial Blvd. Kerrville, TX 78028 LAT/LONG: 30.0132 / 99.1161	CLIENT: Amydne CONTACT: Derek Arnold INQUIRY#: 2528715.4 RESEARCH DATE: 06/29/2009
	SERIES: 30 SCALE: 1:125000		

Historical Topographic Map



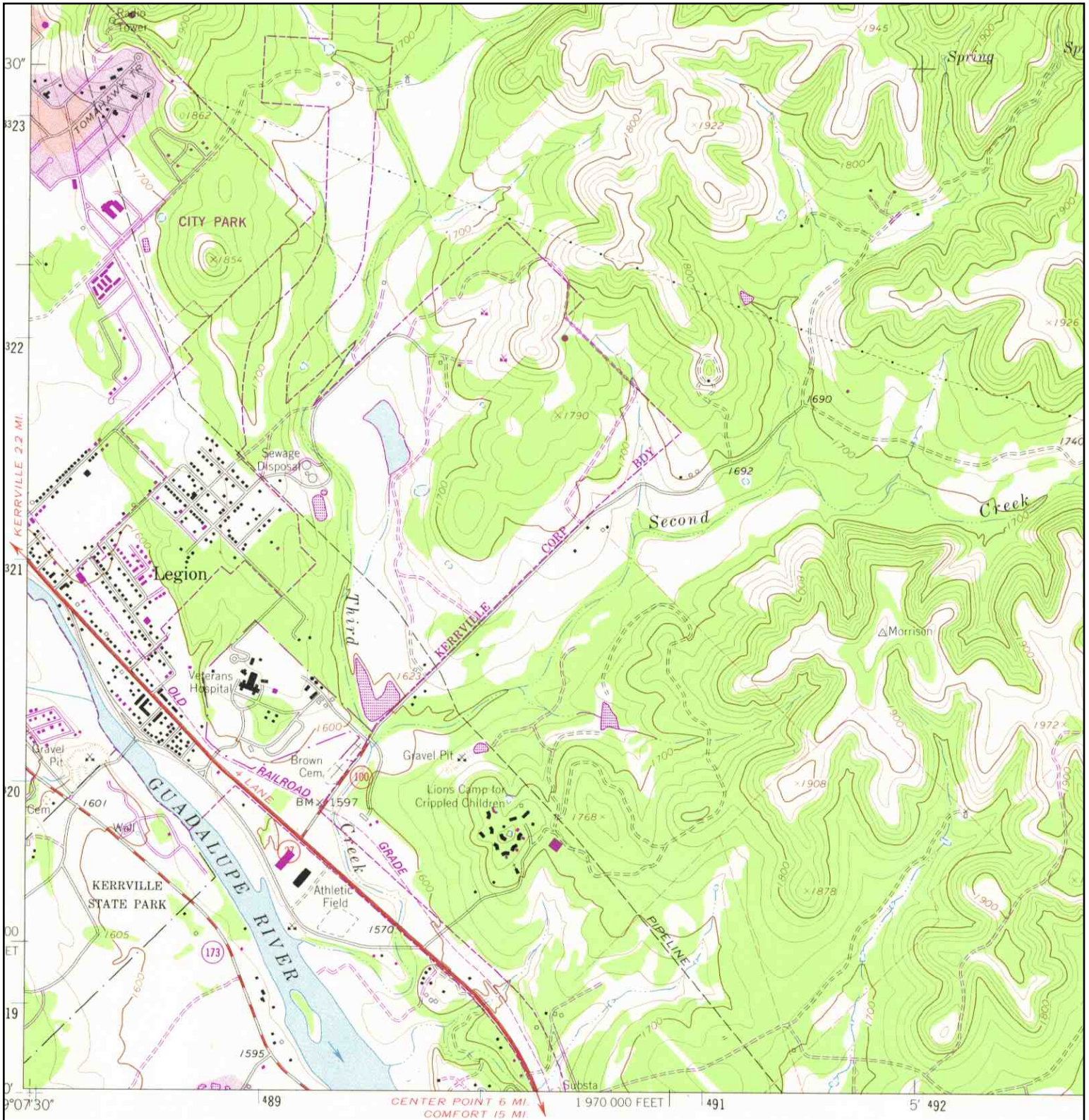
<p>N ↑</p>	<p>TARGET QUAD NAME: LEGION MAP YEAR: 1964</p>	<p>SITE NAME: Kerrville VAMC ADDRESS: 3610 Memorial Blvd. Kerrville, TX 78028 LAT/LONG: 30.0132 / 99.1161</p>	<p>CLIENT: Amdyne CONTACT: Derek Arnold INQUIRY#: 2528715.4 RESEARCH DATE: 06/29/2009</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>		

Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: KERRVILLE MAP YEAR: 1979</p>	<p>SITE NAME: Kerrville VAMC ADDRESS: 3610 Memorial Blvd. Kerrville, TX 78028 LAT/LONG: 30.0132 / 99.1161</p>	<p>CLIENT: Amydne CONTACT: Derek Arnold INQUIRY#: 2528715.4 RESEARCH DATE: 06/29/2009</p>
	<p>SERIES: 15 SCALE: 1:50000</p>		

Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME:	Kerrville VAMC	CLIENT:	Amdyne
	NAME: LEGION	ADDRESS:	3610 Memorial Blvd.	CONTACT:	Derek Arnold
	MAP YEAR: 1982		Kerrville, TX 78028	INQUIRY#:	2528715.4
	PHOTOREVISED FROM: 1964	LAT/LONG:	30.0132 / 99.1161	RESEARCH DATE:	06/29/2009
	SERIES: 7.5				
	SCALE: 1:24000				

Appendix C-2

Historical Aerial Photographs



Kerrville VAMC

3610 Memorial Blvd.

Kerrville, TX 78028

Inquiry Number: 2528715.5

June 30, 2009

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

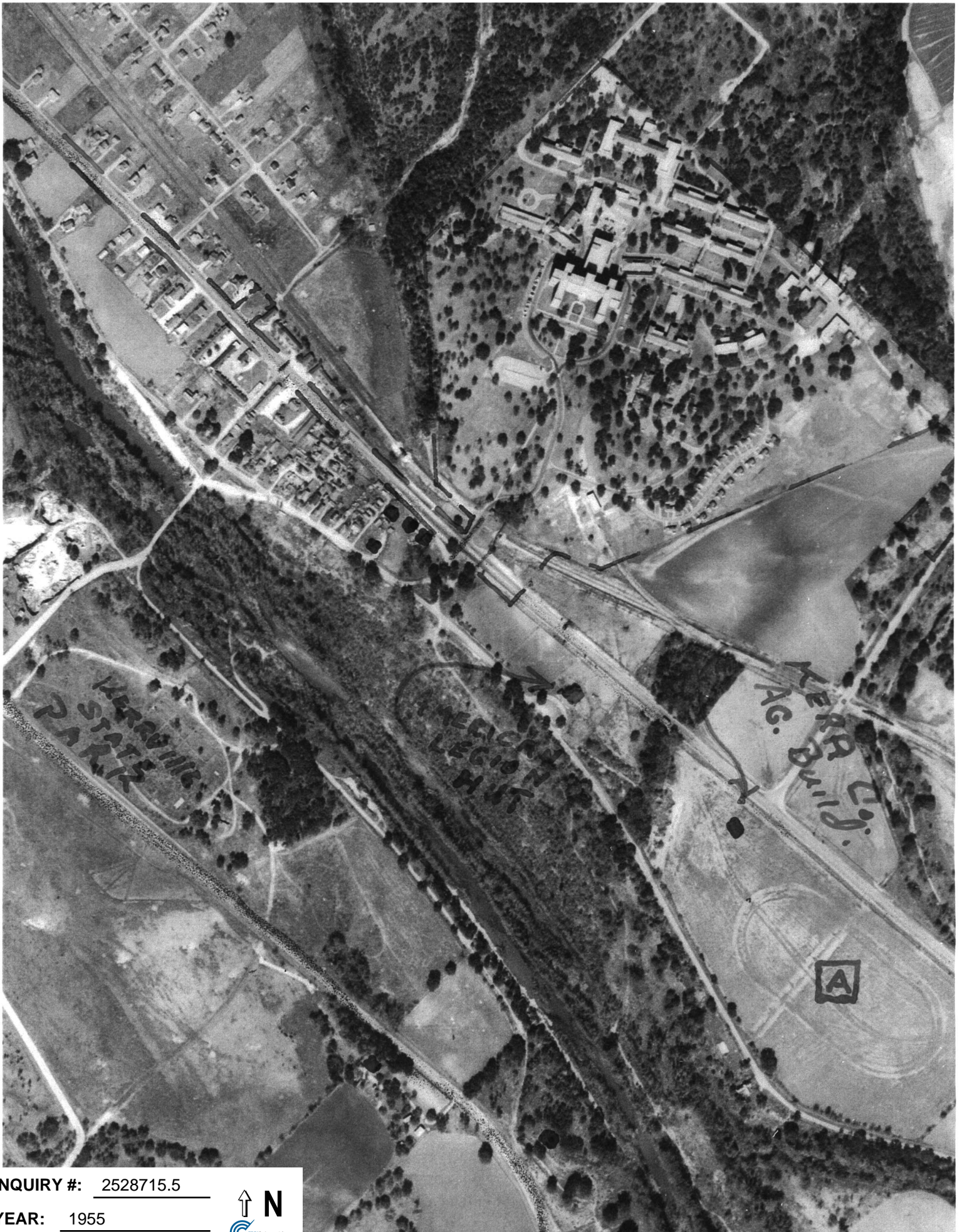
Aerial Photography June 30, 2009

Target Property:

3610 Memorial Blvd.

Kerrville, TX 78028

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1945	Aerial Photograph. Scale: 1"=500'	Flight Year: 1945 Photo Not Available - Image missing from collection	ASCS
1955	Aerial Photograph. Scale: 1"=500'	Flight Year: 1955	ASCS
1968	Aerial Photograph. Scale: 1"=500'	Flight Year: 1968	ASCS
1976	Aerial Photograph. Scale: 1"=500'	Flight Year: 1976	TXDOT
1981	Aerial Photograph. Scale: 1"=500'	Flight Year: 1981	TXDOT
1995	Aerial Photograph. Scale: 1"=500'	Flight Year: 1995	USGS-CIR
2004	Aerial Photograph. Scale: 1"=500'	Flight Year: 2004	USDA-CIR
2005	Aerial Photograph. 1" = 604'	Flight Year: 2005	EDR
2006	Aerial Photograph. 1" = 604'	Flight Year: 2006	EDR

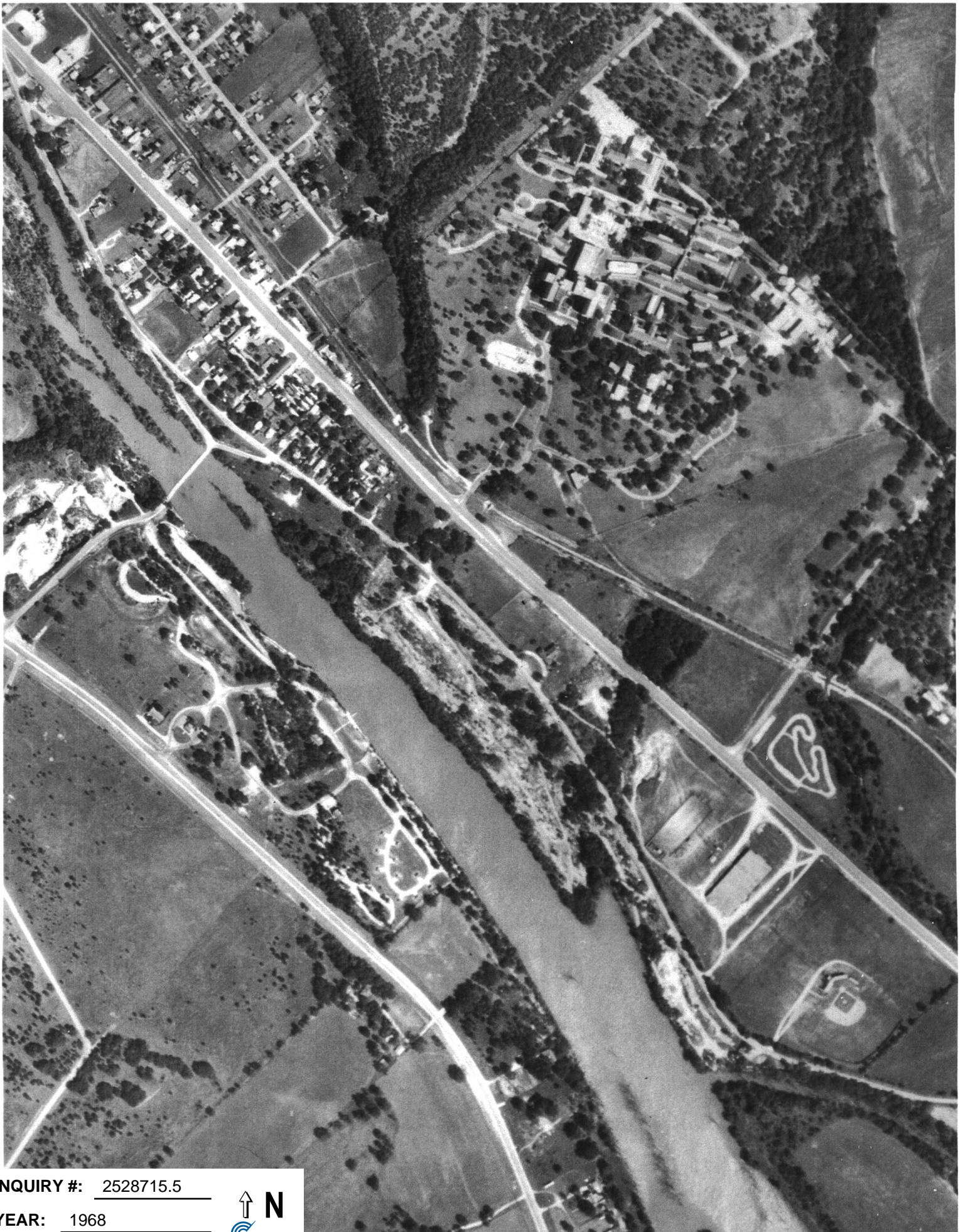


INQUIRY #: 2528715.5

YEAR: 1955



| = 500'



INQUIRY #: 2528715.5

YEAR: 1968

| = 500'



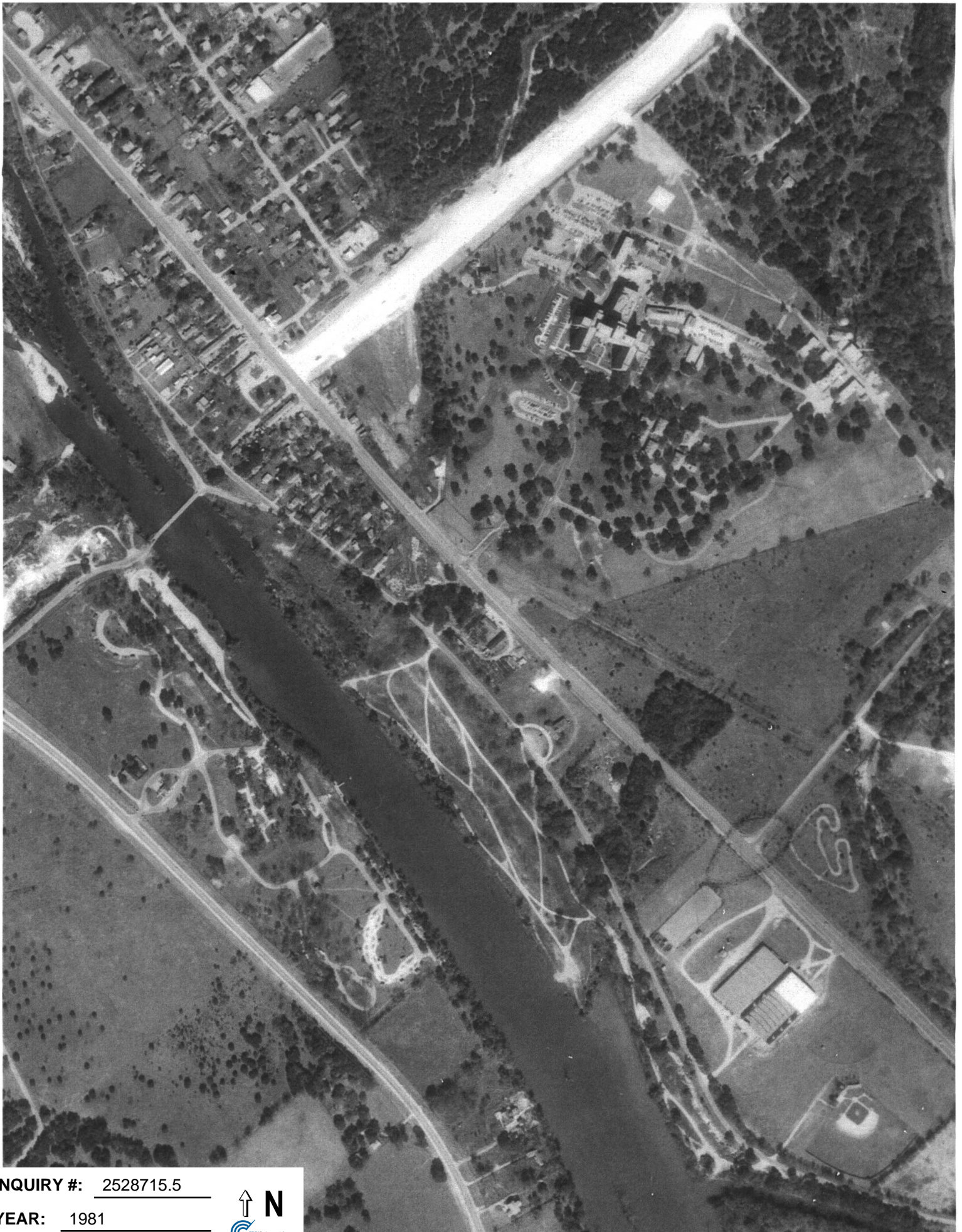


INQUIRY #: 2528715.5

YEAR: 1976

| = 500'





INQUIRY #: 2528715.5

YEAR: 1981

| = 500'



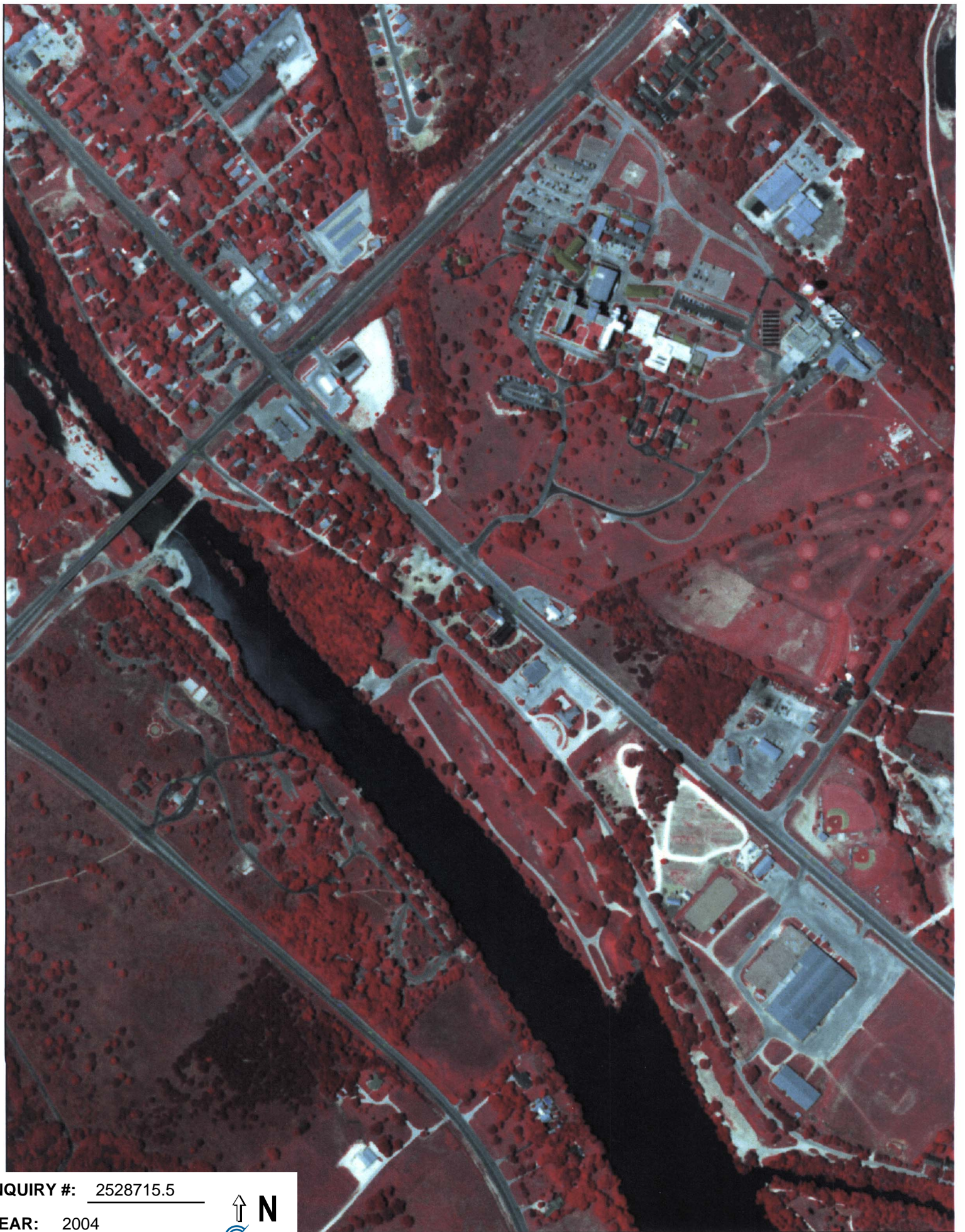


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YEAR: 1995

| = 500'





INQUIRY #: 2528715.5

YEAR: 2004

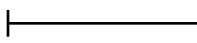
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INQUIRY #: 2528715.5

YEAR: 2005

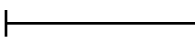
 = 604'





INQUIRY #: 2528715.5

YEAR: 2006

 = 604'



Appendix C-3
Fire Insurance Maps



Kerrville VAMC

3610 Memorial Blvd.

Kerrville, TX 78028

Inquiry Number: 2528715.3

June 29, 2009

Certified Sanborn® Map Report

Certified Sanborn® Map Report

6/29/09

Site Name:

Kerrville VAMC
3610 Memorial Blvd.
Kerrville, TX 78028

Client Name:

Amdyne
1403 Madison Park Drive
Glen Burnie, MD 21061

EDR Inquiry # 2528715.3

Contact: Derek Arnold



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Amdyne were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Kerrville VAMC
Address: 3610 Memorial Blvd.
City, State, Zip: Kerrville, TX 78028
Cross Street:
P.O. # NA
Project: NA
Certification # 8C31-4DCB-9633



Sanborn® Library search results
Certification # 8C31-4DCB-9633

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

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Appendix D

Regulatory Records Documentation

Appendix D presents the EDR (Environmental Data Resources) Radius Map report for the Kerrville Division, STVHCS property. This EDR report presents the results of a search of all environmentally relevant regulatory records at and near the property (within a radius of 1 mile). Included as figures are two maps that show the property and the surrounding area; the first, an “Overview Map,” shows the property and surrounding area, with 3 circles, one of radius 0.25 miles, one of radius 0.5 miles, and one of radius 1.0 miles, each with the Kerrville Division, STVHCS property as the center of the circle. Within these circles are points denoting locations where significant environmental records were found in the regulatory records search. The next, a “Detail Map,” again shows the property and displays two circles around it at 1/8 and ¼ mile radius. The same points that were displayed on the Overview Map are again shown on the Detail Map. The rest of the report gives detailed regulatory records for each site identified in the EDR search.

The report provides a physical setting of the Kerrville Division, STVHCS property, along with graphs displaying topographic information for the Site and surrounding area. A soil map is provided, as well as a “Physical Setting Source Map,” which shows groundwater flow direction, location of local groundwater wells, etc. Results of radon testing in the area surrounding the property are discussed and summarized. The EDR – City Directory Abstract (Appendix D-2) summarizes information from Polk’s City Directory for the Kerrville Division, STVHCS and surrounding properties. Results of this pertinent information from this EDR report are discussed in the body of this Phase I Environmental Site Assessment.

Appendix D-1
Radius Map Report

Kerrville VAMC

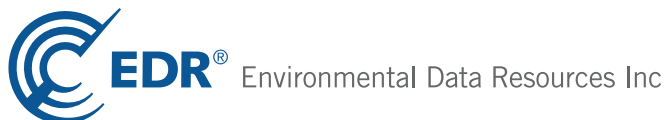
3610 Memorial Blvd.

Kerrville, TX 78028

Inquiry Number: 2528715.2s

June 26, 2009

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

3610 MEMORIAL BLVD.
KERRVILLE, TX 78028

COORDINATES

Latitude (North): 30.013200 - 30° 0' 47.5"
Longitude (West): 99.116100 - 99° 6' 58.0"
Universal Transverse Mercator: Zone 14
UTM X (Meters): 488803.7
UTM Y (Meters): 3320073.5
Elevation: 1587 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 30099-A1 LEGION, TX
Most Recent Revision: 1982

South Map: 29099-H1 CENTER POINT, TX
Most Recent Revision: 1982

Southwest Map: 29099-H2 FALL CREEK, TX
Most Recent Revision: 1982

West Map: 30099-A2 KERRVILLE, TX
Most Recent Revision: 1982

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2005, 2006
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Transporters, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

SHWS..... State Superfund Registry

State and tribal landfill and/or solid waste disposal site lists

CLI..... Closed Landfill Inventory

EXECUTIVE SUMMARY

WasteMgt..... Commercial Hazardous & Solid Waste Management Facilities

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

AUL..... Sites with Controls

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP..... Voluntary Cleanup Program Database

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site Assessments

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs

DEL SHWS..... Deleted Superfund Registry Sites

PRIORITYCLEANERS..... Dry Cleaner Remediation Program Prioritization List

Local Land Records

LIENS 2..... CERCLA Lien Information

LUCIS..... Land Use Control Information System

LIENS..... Environmental Liens Listing

HIST LIENS..... Environmental Liens Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... Spills Database

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators

EXECUTIVE SUMMARY

DOT OPS.....	Incident and Accident Data
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
IOP.....	Innocent Owner/Operator Program
DRYCLEANERS.....	Drycleaner Registration Database Listing
ENF.....	Notice of Violations Listing
Ind. Haz Waste.....	Industrial & Hazardous Waste Database
ED AQUIF.....	Edwards Aquifer Permits
AIRS.....	Current Emission Inventory Data
USD.....	Municipal Settings Designations Database
TIER 2.....	Tier 2 Chemical Inventory Reports
RWS.....	Radioactive Waste Sites
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Texas Commission on Environmental Quality's permitted Solid Waste Facilities list.

A review of the SWF/LF list, as provided by EDR, and dated 05/12/2009 has revealed that there are 2 SWF/LF sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BFI KERRVILLE LANDFILL TEXAS L	3315 LOOP 534	NNW 1/4 - 1/2 (0.271 mi.)	B5	19
CITY OF KERRVILLE LANDFILL	3315 LOOP 534	NNW 1/4 - 1/2 (0.271 mi.)	B6	29

State and tribal leaking storage tank lists

LPST: The Leaking Petroleum Storage Tank Incident Reports contain an inventory of reported leaking petroleum storage tank incidents. The data come from the Texas Commission on Environmental Quality's Leaking Petroleum Storage Tank Database.

A review of the LPST list, as provided by EDR, and dated 04/01/2009 has revealed that there are 3 LPST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PALACE CAFE	S HWY 181	WSW 1/4 - 1/2 (0.384 mi.)	7	40
Status Code: FINAL CONCURRENCE ISSUED, CASE CLOSED				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DEPT OF VETERAN AFFAIRS	3600 MEMORIAL BLVD	NW 0 - 1/8 (0.043 mi.)	A1	7
Status Code: FINAL CONCURRENCE ISSUED, CASE CLOSED				
VA MEDICAL CENTER	3600 MEMORIAL BLVD	NW 0 - 1/8 (0.043 mi.)	A2	7
Status Code: FINAL CONCURRENCE PENDING DOCUMENTATION OF WELL PLUGGING				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Texas Commission on Environmental Quality's Petroleum Storage Tank Database.

A review of the UST list, as provided by EDR, and dated 05/01/2009 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VA MEDICAL CENTER	3600 MEMORIAL BLVD	NW 0 - 1/8 (0.043 mi.)	A2	7
CALHOUN COUNTY PCT 1	CO RD 101	NW 0 - 1/8 (0.044 mi.)	A4	17

EXECUTIVE SUMMARY

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Texas Commission on Environmental Quality's Petroleum Storage Tank Database.

A review of the AST list, as provided by EDR, and dated 05/01/2009 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

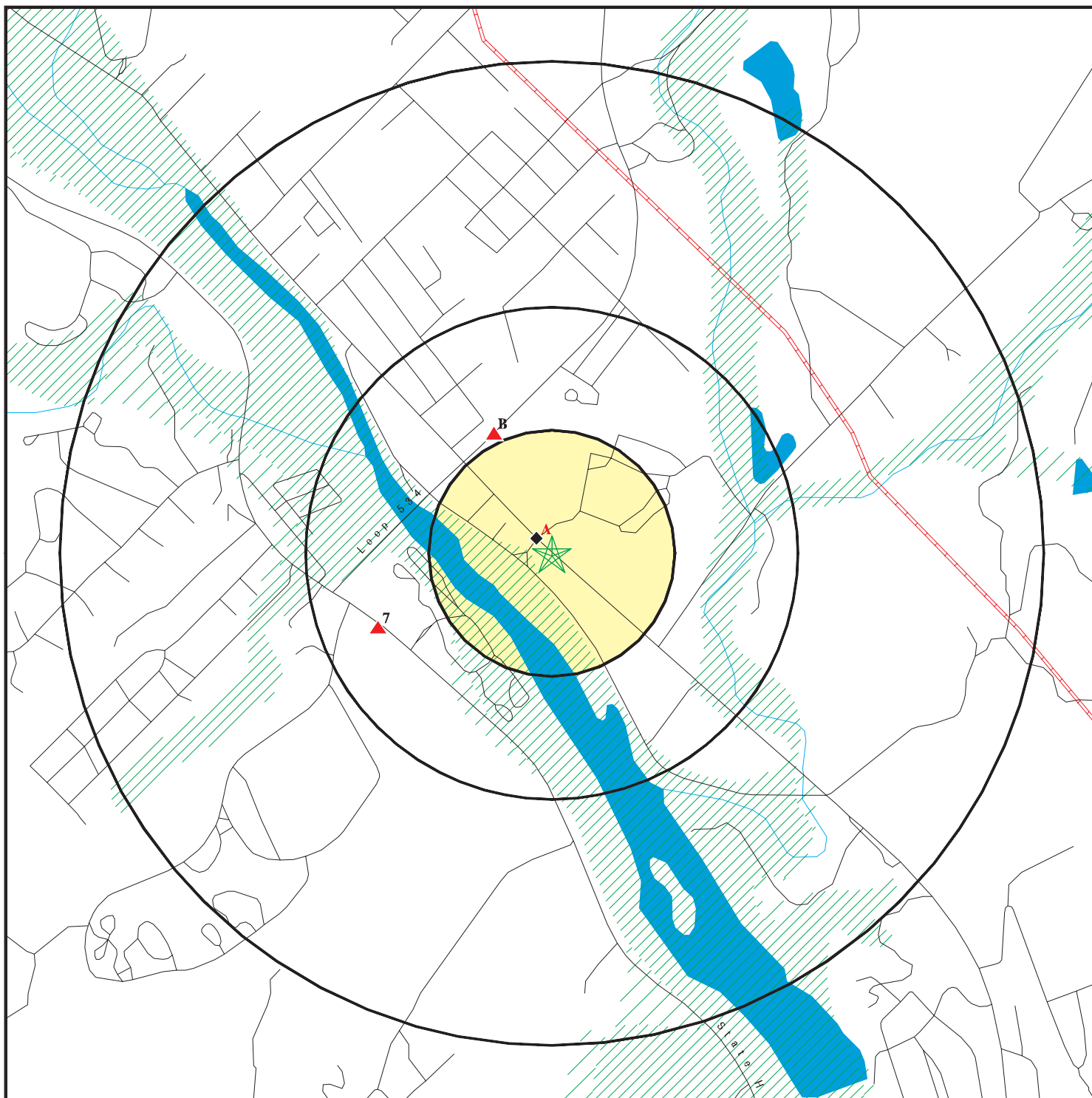
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VA MEDICAL CENTER	3600 MEMORIAL BLVD	NW 0 - 1/8 (0.043 mi.)	A3	15

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
KERRVILLE STADIUM SUBSTATION	TIER 2
KERRVILLE	TIER 2
KERRVILLE I.S.D (SVC CTR) TIVY HIG	FTTS
KERRVILLE I.S.D (SVC CTR) TIVY HIG	HIST FTTS
HILL COUNTRY DRY CLEAN SUPER CENTE	DRYCLEANERS
KERRVILLE STATE HOSPITAL	SWF/LF, ENF
CITY OF KERRVILLE LANDFILL	SWF/LF
CYPRESS CREEK RANCH	LPST
CITY KERRVILLE MUNICIPAL SER CTR	LPST
FORMER KERRVILLE CAR & TRUCK SALES	LPST
CITY OF KERRVILLE SERVICE MAINTENA	RCRA-NonGen
KERRVILLE BIN	FINDS
KERRVILLE ROCK CRUSHING FACILITY	FINDS
PARKING LOT 610 SOUTHWAY DR KERRVI	FINDS
KERRVILLE AIRPORT	FINDS
CITY OF KERRVILLE	FINDS
TEXAS DEPT OF MENTAL HEALTH/KERRVI	FINDS
KERRVILLE STATE HOSPITAL	FINDS
CITY OF KERRVILLE SERVICE MAINTENA	FINDS
KERRVILLE LANDFILL	FINDS
KERRVILLE PLANT	FINDS
KERRVILLE MUNI/LOUIS SC	FINDS
HWY 173 SE NEAR KERRVILLE	SPILLS
CITY OF KERRVILLE LANDFILL	ENF
CITY OF KERRVILLE	ENF
CITY OF KERRVILLE SWDS	AIRS
KERRVILLE PLANT	AIRS

OVERVIEW MAP - 2528715.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- ▲ Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

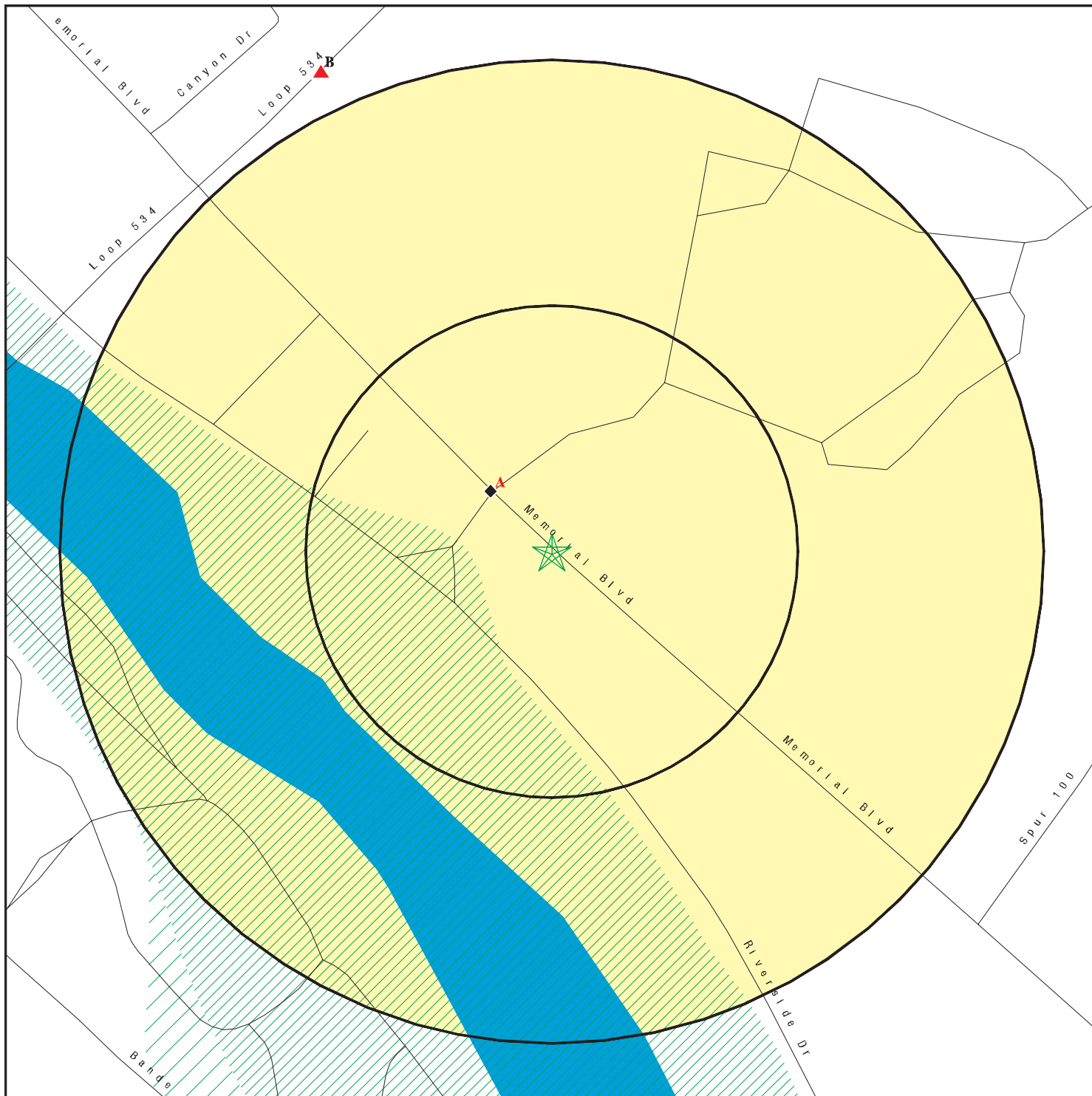


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Kerrville VAMC
 ADDRESS: 3610 Memorial Blvd.
 Kerrville TX 78028
 LAT/LONG: 30.0132 / 99.1161

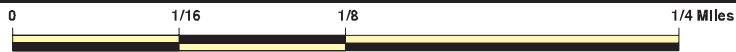
CLIENT: Amdyne
 CONTACT: Derek Arnold
 INQUIRY #: 2528715.2s
 DATE: June 26, 2009 4:41 pm

DETAIL MAP - 2528715.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites

- ☒ Indian Reservations BIA
- ⚡ Oil & Gas pipelines
- ☒ 100-year flood zone
- ☒ 500-year flood zone



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

SITE NAME: Kerrville VAMC
 ADDRESS: 3610 Memorial Blvd.
 Kerrville TX 78028
 LAT/LONG: 30.0132 / 99.1161

CLIENT: Amdyne
 CONTACT: Derek Arnold
 INQUIRY #: 2528715.2s
 DATE: June 26, 2009 4:42 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS		0.500	0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.000	0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS		TP	NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
SHWS		1.000	0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		0.500	0	0	2	NR	NR	2
CLI		0.500	0	0	0	NR	NR	0
WasteMgt		TP	NR	NR	NR	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LPST		0.500	2	0	1	NR	NR	3
INDIAN LUST		0.500	0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
UST		0.250	2	0	NR	NR	NR	2

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST		0.250	1	0	NR	NR	NR	1
INDIAN UST		0.250	0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AUL		0.500	0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
DEL SHWS		1.000	0	0	0	0	NR	0
PRIORITYCLEANERS		0.500	0	0	0	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
HIST LIENS		TP	NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
IOP		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
ENF		TP	NR	NR	NR	NR	NR	0
Ind. Haz Waste		TP	NR	NR	NR	NR	NR	0
ED AQUIF		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
USD		0.500	0	0	0	NR	NR	0
TIER 2		TP	NR	NR	NR	NR	NR	0
RWS		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants		1.000	0	0	0	0	NR	0
-------------------------	--	-------	---	---	---	---	----	---

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
NW
< 1/8
0.043 mi.
228 ft.

DEPT OF VETERAN AFFAIRS
3600 MEMORIAL BLVD
KERRVILLE, TX 78028
Site 1 of 4 in cluster A

LPST S107747648
N/A

Relative:
Lower

LPST:

Facility ID: 0040065
Facility Location: 3600 MEMORIAL BLVD
Region City ID: 13
Region City: SAN ANTONIO
LPST Id: 105075
Reported Date: 10/19/1992
Entered Date: 10/26/1992
Priority: NO GW IMPACT, NO APPARENT THREATS OR IMPACTS TO RECEPTORS
Status: FINAL CONCURRENCE ISSUED, CASE CLOSED
RPR Coordinator: RPR
Responsible Party Name: DEPT OF VETERAN AFFAIRS
Responsible Party Contact: KRISTIAN KLECK
Responsible Party Address: PO BOX 12485
Responsible Party City,St,Zip: SAN ANTONIO, TX 78212
Responsible Party Telephone: 512/829-7817

Actual:
1585 ft.

A2
NW
< 1/8
0.043 mi.
228 ft.

VA MEDICAL CENTER
3600 MEMORIAL BLVD
KERRVILLE, TX 78028
Site 2 of 4 in cluster A

UST U003842238
LPST N/A

Relative:
Lower

UST:

Facility ID: 0040465
Facility Type: Other
Name of Facility Manager: WALTER CONNER
Title of Facility Manager: PROJ EMG
Facility Manager Phone: 2107922558
Facility Rural Box: Not reported
Facility in Ozone non-attainment area: Not reported
TCEQ Num: 070222
Owner ID: 18398
Date Registration Form Received: 050886
Region Number: 13
Number of USTs: 5
Sign Name on Registration Form: JAMES C WEST
Title of Signer of Registration Form: ASST CHIEF ENG
Date of Signature on Registration Form: 050286
Owner Effective Begin Date: 050886

Owner ID: 18398
Owner Name: VA MEDICAL CENTER ENG SERVICES
Owner Address: 3600 MEMORIAL BLVD
Owner PO Box: Not reported
Owner City,St,Zip: KERRVILLE, TX 78028
Owner Contact Name: MGR
Contact Telephone: 210-792-2497
Owner Type: Federal Government
Mail Undeliverable: Not reported
Bankruptcy is in effect: Not reported
Owner Amendment Reason Code: Owner Billing Address Changed
Owner Amendment Date: 091207
Number of Facilities reported by Owner: 0001

Actual:
1585 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VA MEDICAL CENTER (Continued)

U003842238

# Of Underground Storage Tanks:	0005
# Of Aboveground Storage Tanks:	0001
Self-Certification Date:	Not reported
Signature Name:	Not reported
Signature Title Name:	Not reported
Signature Type Text:	Not reported
Certification Submitted Type:	Not reported
Registration Self-Certification Flag:	Not reported
Fees Self-Certification Flag:	Not reported
Financial Assurance Self-Certification flag:	Not reported
Technical standards Self-Certification flag:	Not reported
UST Delivery Certificate Expiration Date:	Not reported
Operator ID:	Not reported
Operator Effective Date:	Not reported
Operator Type:	Not reported
Operator First Name:	Not reported
Operator Name:	Not reported
Operator Building Loc:	Not reported
Operator Telephone:	Not reported
Operator Address:	Not reported
Operator PO Box:	Not reported
Operator City, St, Zip:	Not reported
Operator Contact Name:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Tank ID:	1
Unit ID:	00107244
Tank Status:	Permanently Filled In-Place
Status Date:	11011988
Installation Date:	01011946
Tank Registration Date:	05081986
Capacity:	0021000
Tank Emptied:	No
Tank Construction and Containment:	Not reported
Tank Construction and Containment II:	Single Wall
Tank Construction and Containment III:	Not reported
Tank Construction and Containment IV:	Not reported
Pipe Construction and Containment:	Single Wall
Pipe Construction and Containment II:	Not reported
Piping Design and Ext. Containment 3:	Not reported
Piping Design and Ext. Containment 4:	Not reported
Type of Piping:	Suction
Internal Tank Lining Date:	00000000
Tank Material of Construction:	Steel
Other Materials of Construction:	Not reported
Pipe Material of Construction:	Steel
Other Construction and Containment:	FRP
Pipe Connectors and Valves 1:	Not reported
Pipe Connectors and Valves 2:	Not reported
Pipe Connectors and Valves 3:	Not reported
Tank Corrosion Protection:	Not reported
Tank Corrosion Protection II:	Not reported
Tank Corrosion Protection III:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VA MEDICAL CENTER (Continued)

U003842238

Other Tank Corrosion Protection Text:	None
Tank Corrosion Protection Variance:	No Variance
Pipe Corrosion Protection:	Not reported
Pipe Corrosion Protection II:	Not reported
Pipe Corrosion Protection 3:	Not reported
Other Corrosion Protection:	None
Pipe Corrosion Protection Variance:	No Variance
Stage 1 Vapor Recovery Equipment Status:	Not Reported
Stage 1 Equipment Installed Date:	Not reported
Stage 2 Vapor Recry Equipment Status:	Not Reported
Stage 2 Equipment Installed Date:	Not reported
Equipment Installer:	Not reported
Contractor Registration Number:	Not reported
Tank Tested:	Tested
Installer License Number:	Not reported
Tank Installer:	Not reported
Self-Certification Date:	Not reported
Compartment:	Not reported
Compartment Letter:	A
Compartment Capacity:	0000000
Compartment Substance Stored:	Not reported
Compartment Other Substance:	Empty
Tank Release Method Detection I:	Not reported
Tank Release Method Detection II:	Not reported
Tank Release Method Detection III:	Not reported
Other Tank Release Method Detection:	None
Tank Release Detection Variance:	No Variance
Pipe Release Detection Method:	Not reported
Pipe Release Detection Method II:	Not reported
Pipe Release Detection Method III:	Not reported
Other Pipe Release Detection Method:	None
Pipe Release Detection Variance:	No Variance
Spill and Overfill Protection:	Not reported
Spill and Overfill Protection II:	Not reported
Spill and Overfill Protection III:	Not reported
Spill Overfill Prevention Variation:	No Variance
Tank ID:	2
Unit ID:	00107243
Tank Status:	Permanently Filled In-Place
Status Date:	11011988
Installation Date:	01011946
Tank Registration Date:	05081986
Capacity:	0021000
Tank Emptied:	No
Tank Construction and Containment:	Not reported
Tank Construction and Containment II:	Not reported
Tank Construction and Containment III:	Not reported
Tank Construction and Containment IV:	Not reported
Pipe Construction and Containment:	Not reported
Pipe Construction and Containment II:	Not reported
Piping Design and Ext. Containment 3:	Not reported
Piping Design and Ext. Containment 4:	Not reported
Type of Piping:	Not reported
Internal Tank Lining Date:	00000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VA MEDICAL CENTER (Continued)

U003842238

Tank Material of Construction:	Steel
Other Materials of Construction:	Not reported
Pipe Material of Construction:	Not reported
Other Construction and Containment:	FRP
Pipe Connectors and Valves 1:	Not reported
Pipe Connectors and Valves 2:	Not reported
Pipe Connectors and Valves 3:	Not reported
Tank Corrosion Protection:	Not reported
Tank Corrosion Protection II:	Not reported
Tank Corrosion Protection III:	Not reported
Other Tank Corrosion Protection Text:	Cathodic Protection
Tank Corrosion Protection Variance:	No Variance
Pipe Corrosion Protection:	Not reported
Pipe Corrosion Protection II:	Not reported
Pipe Corrosion Protection 3:	Not reported
Other Corrosion Protection:	None
Pipe Corrosion Protection Variance:	No Variance
Stage 1 Vapor Recovery Equipment Status:	Not Reported
Stage 1 Equipment Installed Date:	Not reported
Stage 2 Vapor Recry Equipment Status:	Not Reported
Stage 2 Equipment Installed Date:	Not reported
Equipment Installer:	Not reported
Contractor Registration Number:	Not reported
Tank Tested:	Tested
Installer License Number:	Not reported
Tank Installer:	Not reported
Self-Certification Date:	Not reported
Compartment:	Not reported
Compartment Letter:	A
Compartment Capacity:	0000000
Compartment Substance Stored:	Diesel
Compartment Other Substance:	Not reported
Tank Release Method Detection I:	Not reported
Tank Release Method Detection II:	Not reported
Tank Release Method Detection III:	Not reported
Other Tank Release Method Detection:	None
Tank Release Detection Variance:	No Variance
Pipe Release Detection Method:	Not reported
Pipe Release Detection Method II:	Not reported
Pipe Release Detection Method III:	Not reported
Other Pipe Release Detection Method:	None
Pipe Release Detection Variance:	No Variance
Spill and Overfill Protection:	Not reported
Spill and Overfill Protection II:	Not reported
Spill and Overfill Protection III:	Not reported
Spill Overfill Prevention Variation:	No Variance
Tank ID:	3
Unit ID:	00107242
Tank Status:	Removed from the Ground
Status Date:	07221993
Installation Date:	01011946
Tank Registration Date:	05081986
Capacity:	0021000
Tank Emptied:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VA MEDICAL CENTER (Continued)

U003842238

Tank Construction and Containment:	Not reported
Tank Construction and Containment II:	Single Wall
Tank Construction and Containment III:	Not reported
Tank Construction and Containment IV:	Not reported
Pipe Construction and Containment:	Single Wall
Pipe Construction and Containment II:	Not reported
Piping Design and Ext. Containment 3:	Not reported
Piping Design and Ext. Containment 4:	Not reported
Type of Piping:	Suction
Internal Tank Lining Date:	00000000
Tank Material of Construction:	Steel
Other Materials of Construction:	Not reported
Pipe Material of Construction:	Steel
Other Construction and Containment:	FRP
Pipe Connectors and Valves 1:	Not reported
Pipe Connectors and Valves 2:	Not reported
Pipe Connectors and Valves 3:	Not reported
Tank Corrosion Protection:	Not reported
Tank Corrosion Protection II:	Not reported
Tank Corrosion Protection III:	Not reported
Other Tank Corrosion Protection Text:	None
Tank Corrosion Protection Variance:	No Variance
Pipe Corrosion Protection:	Not reported
Pipe Corrosion Protection II:	Not reported
Pipe Corrosion Protection 3:	Not reported
Other Corrosion Protection:	None
Pipe Corrosion Protection Variance:	No Variance
Stage 1 Vapor Recovery Equipment Status:	Not Reported
Stage 1 Equipment Installed Date:	Not reported
Stage 2 Vapor ReCRY Equipment Status:	Not Reported
Stage 2 Equipment Installed Date:	Not reported
Equipment Installer:	Not reported
Contractor Registration Number:	Not reported
Tank Tested:	Tested
Installer License Number:	Not reported
Tank Installer:	Not reported
Self-Certification Date:	Not reported
Compartment:	Not reported
Compartment Letter:	A
Compartment Capacity:	0000000
Compartment Substance Stored:	Diesel
Compartment Other Substance:	Not reported
Tank Release Method Detection I:	Not reported
Tank Release Method Detection II:	Not reported
Tank Release Method Detection III:	Not reported
Other Tank Release Method Detection:	Inventory Control
Tank Release Detection Variance:	No Variance
Pipe Release Detection Method:	Not reported
Pipe Release Detection Method II:	Not reported
Pipe Release Detection Method III:	Not reported
Other Pipe Release Detection Method:	None
Pipe Release Detection Variance:	No Variance
Spill and Overfill Protection:	Factory-Built Spill Container/Bucket/Sump
Spill and Overfill Protection II:	Not reported
Spill and Overfill Protection III:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VA MEDICAL CENTER (Continued)

U003842238

Spill Overfill Prevention Variation:	No Variance
Tank ID:	4
Unit ID:	00107245
Tank Status:	Removed from the Ground
Status Date:	07221993
Installation Date:	01011980
Tank Registration Date:	05081986
Capacity:	0004000
Tank Emptied:	No
Tank Construction and Containment:	Single Wall
Tank Construction and Containment II:	Not reported
Tank Construction and Containment III:	Not reported
Tank Construction and Containment IV:	Not reported
Pipe Construction and Containment:	Single Wall
Pipe Construction and Containment II:	Not reported
Piping Design and Ext. Containment 3:	Not reported
Piping Design and Ext. Containment 4:	Not reported
Type of Piping:	Suction
Internal Tank Lining Date:	00000000
Tank Material of Construction:	FRP (fiberglass-reinforced plastic)
Other Materials of Construction:	Not reported
Pipe Material of Construction:	Steel
Other Construction and Containment:	FRP
Pipe Connectors and Valves 1:	Not reported
Pipe Connectors and Valves 2:	Not reported
Pipe Connectors and Valves 3:	Not reported
Tank Corrosion Protection:	Not reported
Tank Corrosion Protection II:	Not reported
Tank Corrosion Protection III:	Not reported
Other Tank Corrosion Protection Text:	None
Tank Corrosion Protection Variance:	No Variance
Pipe Corrosion Protection:	Not reported
Pipe Corrosion Protection II:	Not reported
Pipe Corrosion Protection 3:	Not reported
Other Corrosion Protection:	None
Pipe Corrosion Protection Variance:	No Variance
Stage 1 Vapor Recovery Equipment Status:	Not Reported
Stage 1 Equipment Installed Date:	Not reported
Stage 2 Vapor Recry Equipment Status:	Not Reported
Stage 2 Equipment Installed Date:	Not reported
Equipment Installer:	Not reported
Contractor Registration Number:	Not reported
Tank Tested:	Tested
Installer License Number:	Not reported
Tank Installer:	Not reported
Self-Certification Date:	Not reported
Compartment:	Not reported
Compartment Letter:	A
Compartment Capacity:	0000000
Compartment Substance Stored:	Diesel
Compartment Other Substance:	Not reported
Tank Release Method Detection I:	Not reported
Tank Release Method Detection II:	Not reported
Tank Release Method Detection III:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VA MEDICAL CENTER (Continued)

U003842238

Other Tank Release Method Detection:	Inventory Control
Tank Release Detection Variance:	No Variance
Pipe Release Detection Method:	Not reported
Pipe Release Detection Method II:	Not reported
Pipe Release Detection Method III:	Not reported
Other Pipe Release Detection Method:	None
Pipe Release Detection Variance:	No Variance
Spill and Overfill Protection:	Not reported
Spill and Overfill Protection II:	Not reported
Spill and Overfill Protection III:	Not reported
Spill Overfill Prevention Variation:	No Variance
Tank ID:	5
Unit ID:	00107246
Tank Status:	Removed from the Ground
Status Date:	07221993
Installation Date:	01011946
Tank Registration Date:	05081986
Capacity:	0001000
Tank Emptied:	No
Tank Construction and Containment:	Single Wall
Tank Construction and Containment II:	Not reported
Tank Construction and Containment III:	Not reported
Tank Construction and Containment IV:	Not reported
Pipe Construction and Containment:	Single Wall
Pipe Construction and Containment II:	Not reported
Piping Design and Ext. Containment 3:	Not reported
Piping Design and Ext. Containment 4:	Not reported
Type of Piping:	Suction
Internal Tank Lining Date:	00000000
Tank Material of Construction:	Steel
Other Materials of Construction:	Not reported
Pipe Material of Construction:	Steel
Other Construction and Containment:	Not reported
Pipe Connectors and Valves 1:	Not reported
Pipe Connectors and Valves 2:	Not reported
Pipe Connectors and Valves 3:	Not reported
Tank Corrosion Protection:	Not reported
Tank Corrosion Protection II:	Not reported
Tank Corrosion Protection III:	Not reported
Other Tank Corrosion Protection Text:	None
Tank Corrosion Protection Variance:	No Variance
Pipe Corrosion Protection:	Not reported
Pipe Corrosion Protection II:	Not reported
Pipe Corrosion Protection 3:	Not reported
Other Corrosion Protection:	None
Pipe Corrosion Protection Variance:	No Variance
Stage 1 Vapor Recovery Equipment Status:	Not Reported
Stage 1 Equipment Installed Date:	Not reported
Stage 2 Vapor Recry Equipment Status:	Not Reported
Stage 2 Equipment Installed Date:	Not reported
Equipment Installer:	Not reported
Contractor Registration Number:	Not reported
Tank Tested:	Tested
Installer License Number:	Not reported
Tank Installer:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VA MEDICAL CENTER (Continued)

U003842238

Self-Certification Date: Not reported
Compartment: Not reported

Compartment Letter: A
Compartment Capacity: 0000000
Compartment Substance Stored: Gasoline
Compartment Other Substance: Not reported
Tank Release Method Detection I: Not reported
Tank Release Method Detection II: Not reported
Tank Release Method Detection III: Not reported
Other Tank Release Method Detection: Inventory Control
Tank Release Detection Variance: No Variance
Pipe Release Detection Method: Not reported
Pipe Release Detection Method II: Not reported
Pipe Release Detection Method III: Not reported
Other Pipe Release Detection Method: Tightness Testing
Pipe Release Detection Variance: No Variance
Spill and Overfill Protection: Not reported
Spill and Overfill Protection II: Not reported
Spill and Overfill Protection III: Not reported
Spill Overfill Prevention Variation: No Variance

Opr His:
Operator ID: Not reported
Operator Name or Business Name: Not reported
Operator Effective Begin Date: Not reported
Operator Effective End Date: Not reported

Own Hist:
Facility ID: Not reported
Facility Number: Not reported
Customer Number: Not reported
Individual Name or Business Name: Not reported
Owner Effective Begin Date: Not reported
Owner Effective End Date: Not reported

LPST:
Facility ID: 0040465
Facility Location: 3600 MEMORIAL BLVD
Region City ID: 13
Region City: SAN ANTONIO
LPST Id: 091403
Reported Date: 7/23/1987
Entered Date: 7/23/1987
Priority: GW IMPACTED, NO APPARENT THREATS OR IMPACTS TO RECEPTORS
Status: FINAL CONCURRENCE PENDING DOCUMENTATION OF WELL PLUGGING
RPR Coordinator: RPR
Responsible Party Name: V A MEDICAL CENTER
Responsible Party Contact: W CONNER
Responsible Party Address: 3600 MEMORIAL BLVD
Responsible Party City,St,Zip: KERRVILLE, TX 78028
Responsible Party Telephone: 512/896-2020

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

A3
NW
 < 1/8
 0.043 mi.
 228 ft.

VA MEDICAL CENTER
3600 MEMORIAL BLVD
KERRVILLE, TX 78028
 Site 3 of 4 in cluster A

AST **U003424370**
 N/A

Relative:
Lower

AST:

Facility ID: 0040465
 Owner ID: 18398
 Facility Type: Other
 Date Registration Form Received: 050886
 Region Number: 13
 Facility in Ozone non-attainment area: Not reported
 Number of ASTs: 5
 Name of Facility Manager: WALTER CONNER
 Title of Facility Manager: PROJ EMG
 Facility Manager Phone: 2107922558
 Sign Name on Registration Form: JAMES C WEST
 Title of Signer of Registration Form: ASST CHIEF ENG
 Date of Signature on Registration Form: 050286
 Owner Effective Begin Date: 050886
 Facility Rural Box: Not reported

Actual:
1585 ft.

Owner ID: 18398
 Owner Name: VA MEDICAL CENTER ENG SERVICES
 Owner Address: 3600 MEMORIAL BLVD
 Owner PO Box: Not reported
 Owner City,St,Zip: KERRVILLE, TX 78028
 Owner Contact Name: MGR
 Contact Telephone: 210-792-2497
 Owner Type: Federal Government
 Mail Undeliverable: Not reported
 Bankruptcy is in effect: Not reported
 Owner Amendment Reason Code: Owner Billing Address Changed
 Owner Amendment Date: 091207
 Number of Facilities reported by Owner: 0001
 # Of Underground Storage Tanks: 0005
 # Of Aboveground Storage Tanks: 0001

Self-Certification Date: Not reported
 Signature Name: Not reported
 Signature Title Name: Not reported
 Signature Type Text: Not reported
 Certification Submitted Type: Not reported
 Registration Self-Certification Flag: Not reported
 Fees Self-Certification Flag: Not reported
 Financial Assurance Self-Certification flag: Not reported
 Technical standards Self-Certification flag: Not reported
 UST Delivery Certificate Expiration Date: Not reported

Operator ID: Not reported
 Operator Effective Date: Not reported
 Operator Type: Not reported
 Operator First Name: Not reported
 Operator Name: Not reported
 Operator Building Loc: Not reported
 Operator Telephone: Not reported
 Operator Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VA MEDICAL CENTER (Continued)

U003424370

Operator PO Box:	Not reported
Operator City,St,Zip:	Not reported
Operator Contact Name:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Tank ID:	1
Unit ID:	00154000
Owner ID:	18398
Install Date:	01011992
Tank registration date:	05081986
Tank Status:	In use
Date out of use:	Not reported
Capacity:	0010000
Content:	Diesel
Other Content:	Not reported
Material:	Steel
Other Material:	Not reported
Containment:	Concrete
Other Containment:	Not reported
Stage 1 Vapor Recovery Equipment Status:	Not Reported
Stage 1 Equip Installed Date:	Not reported
Stage 2 Vapor Recvry Equipmnt Status:	Not reported
Stage 2 Equip Installed Date:	Not reported
Compartment Letter:	Not reported
Compartment Capacity:	Not reported
Compartment Substance Stored:	Not reported
Compartment Other Substance:	Not reported
Tank Release Method Detection I:	Not reported
Tank Release Method Detection II:	Not reported
Tank Release Method Detection III:	Not reported
Other Tank Release Method Detection:	Not reported
Tank Release Detection Variance:	Not reported
Pipe Release Detection Method:	Not reported
Pipe Release Detection Method II:	Not reported
Pipe Release Detection Method III:	Not reported
Other Pipe Release Detection Method:	Not reported
Pipe Release Detection Variance:	Not reported
Spill and Overfill Protection:	Not reported
Spill and Overfill Protection II:	Not reported
Spill and Overfill Protection III:	Not reported
Spill Overfill Prevention Variation:	Not reported
Self-Certification Date:	Not reported
Compartment:	Not reported
Opr His:	
Operator ID:	Not reported
Operator Name or Business Name:	Not reported
Operator Effective Begin Date:	Not reported
Operator Effective End Date:	Not reported
Own Hist:	
Facility ID:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VA MEDICAL CENTER (Continued)

U003424370

Facility Number: Not reported
Customer Number: Not reported
Individual Name or Business Name: Not reported
Owner Effective Begin Date: Not reported
Owner Effective End Date: Not reported

**A4
NW
< 1/8
0.044 mi.
231 ft.**

**CALHOUN COUNTY PCT 1
CO RD 101
PORT LAVACA, TX 77979**

**UST U001272585
N/A**

Site 4 of 4 in cluster A

**Relative:
Lower**

UST:

**Actual:
1585 ft.**

Facility ID: 0040065
Facility Type: Not reported
Name of Facility Manager: LEROY BELK
Title of Facility Manager: COMM.
Facility Manager Phone: 5125529242
Facility Rural Box: Not reported
Facility in Ozone non-attainment area: Not reported
TCEQ Num: 043736
Owner ID: 03320
Date Registration Form Received: 050886
Region Number: 14
Number of USTs: 1
Sign Name on Registration Form: W R ZWERSCHKE
Title of Signer of Registration Form: BLDG OFFICIAL
Date of Signature on Registration Form: 041786
Owner Effective Begin Date: 090187

Owner ID: 03320
Owner Name: CALHOUN COUNTY
Owner Address: 211 S ANN ST
Owner PO Box: Not reported
Owner City,St,Zip: PORT LAVACA, TX 77979
Owner Contact Name: ELWOOD E CURRIER
Contact Telephone: 361-552-6713
Owner Type: Local Government
Mail Undeliverable: Not reported
Bankruptcy is in effect: Not reported
Owner Amendment Reason Code: Owner Contact Changed
Owner Amendment Date: 122706
Number of Facilities reported by Owner: 0008
Of Underground Storage Tanks: 0011
Of Aboveground Storage Tanks: 0000

Self-Certification Date: Not reported
Signature Name: Not reported
Signature Title Name: Not reported
Signature Type Text: Not reported
Certification Submitted Type: Not reported
Registration Self-Certification Flag: Not reported
Fees Self-Certification Flag: Not reported
Financial Assurance Self-Certification flag: Not reported
Technical standards Self-Certification flag: Not reported
UST Delivery Certificate Expiration Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALHOUN COUNTY PCT 1 (Continued)

U001272585

Operator ID:	Not reported
Operator Effective Date:	Not reported
Operator Type:	Not reported
Operator First Name:	Not reported
Operator Name:	Not reported
Operator Building Loc:	Not reported
Operator Telephone:	Not reported
Operator Address:	Not reported
Operator PO Box:	Not reported
Operator City, St, Zip:	Not reported
Operator Contact Name:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Tank ID:	1
Unit ID:	00106067
Tank Status:	Removed from the Ground
Status Date:	03161989
Installation Date:	Not reported
Tank Registration Date:	05081986
Capacity:	0001000
Tank Emptied:	No
Tank Construction and Containment:	Not reported
Tank Construction and Containment II:	Not reported
Tank Construction and Containment III:	Not reported
Tank Construction and Containment IV:	Not reported
Pipe Construction and Containment:	Not reported
Pipe Construction and Containment II:	Not reported
Piping Design and Ext. Containment 3:	Not reported
Piping Design and Ext. Containment 4:	Not reported
Type of Piping:	Not reported
Internal Tank Lining Date:	00000000
Tank Material of Construction:	Steel
Other Materials of Construction:	Not reported
Pipe Material of Construction:	Steel
Other Construction and Containment:	Not reported
Pipe Connectors and Valves 1:	Not reported
Pipe Connectors and Valves 2:	Not reported
Pipe Connectors and Valves 3:	Not reported
Tank Corrosion Protection:	Not reported
Tank Corrosion Protection II:	Not reported
Tank Corrosion Protection III:	Not reported
Other Tank Corrosion Protection Text:	Not reported
Tank Corrosion Protection Variance:	No Variance
Pipe Corrosion Protection:	Not reported
Pipe Corrosion Protection II:	Not reported
Pipe Corrosion Protection 3:	Not reported
Other Corrosion Protection:	None
Pipe Corrosion Protection Variance:	No Variance
Stage 1 Vapor Recovery Equipment Status:	Not Reported
Stage 1 Equipment Installed Date:	Not reported
Stage 2 Vapor Recry Equipment Status:	Not Reported
Stage 2 Equipment Installed Date:	Not reported
Equipment Installer:	Not reported
Contractor Registration Number:	Not reported
Tank Tested:	Tested
Installer License Number:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CALHOUN COUNTY PCT 1 (Continued)

U001272585

Tank Installer:	Not reported
Self-Certification Date:	Not reported
Compartment:	Not reported
Compartment Letter:	A
Compartment Capacity:	0000000
Compartment Substance Stored:	Diesel
Compartment Other Substance:	Not reported
Tank Release Method Detection I:	Not reported
Tank Release Method Detection II:	Not reported
Tank Release Method Detection III:	Not reported
Other Tank Release Method Detection:	None
Tank Release Detection Variance:	No Variance
Pipe Release Detection Method:	Not reported
Pipe Release Detection Method II:	Not reported
Pipe Release Detection Method III:	Not reported
Other Pipe Release Detection Method:	None
Pipe Release Detection Variance:	No Variance
Spill and Overfill Protection:	Not reported
Spill and Overfill Protection II:	Not reported
Spill and Overfill Protection III:	Not reported
Spill Overfill Prevention Variation:	No Variance
Opr His:	
Operator ID:	Not reported
Operator Name or Business Name:	Not reported
Operator Effective Begin Date:	Not reported
Operator Effective End Date:	Not reported
Own Hist:	
Facility ID:	Not reported
Facility Number:	Not reported
Customer Number:	Not reported
Individual Name or Business Name:	Not reported
Owner Effective Begin Date:	Not reported
Owner Effective End Date:	Not reported

B5
NNW
 1/4-1/2
 0.271 mi.
 1430 ft.

BFI KERRVILLE LANDFILL TEXAS LP LANDFILL/HAULING F
3315 LOOP 534
KERRVILLE, TX 78028
 Site 1 of 2 in cluster B

SWF/LF **S108862550**
TIER 2 **N/A**

Relative:
Higher

SWF/LF:	
Region:	13
Permit Number:	42007
Facility Status:	INACTIVE
Facility Type:	5RC
Permit Status:	ISSUED
Status Date:	10/11/1994
Mailing Address:	Not reported
Client Name:	OWNOPR: City of Kerrville
Client Address:	OWNOPR: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone:	OWNOPR: (830) 792 - 8325
Business Type:	CITY

Actual:
1595 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BFI KERRVILLE LANDFILL TEXAS LP LANDFILL/HAULING F (Continued)

S108862550

Area Served: Not reported
Estimated Closure Date: Not reported
Permit Acreage: 4
Permit Start: Not reported
Permit End: Not reported
Polution Served: 40000
Tons per Day: 5
Yards per Day: Not reported
Application: Not reported
Lat/Long: 30.026669999999999 / -99.10416999999

Region: 13
Permit Number: 42007
Facility Status: INACTIVE
Facility Type: 5RC
Permit Status: ISSUED
Status Date: 10/11/1994
Mailing Address: Not reported
Client Name: BILLING: City of Kerrville
Client Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: BILLING: (830) 792 - 8325
Business Type: CITY
Area Served: Not reported
Estimated Closure Date: Not reported
Permit Acreage: 4
Permit Start: Not reported
Permit End: Not reported
Polution Served: 40000
Tons per Day: 5
Yards per Day: Not reported
Application: Not reported
Lat/Long: 30.026669999999999 / -99.10416999999

Region: 13
Permit Number: 40240
Facility Status: NOT CONSTRUCTED
Facility Type: 5TS
Permit Status: PENDING
Status Date: 11/20/2008
Mailing Address: Not reported
Client Name: Not reported
Client Address: Not reported
Client Telephone: N/A
Business Type: CITY
Area Served: KERR COUNTY
Estimated Closure Date: Not reported
Permit Acreage: NA
Permit Start: 11/20/2008
Permit End: Not reported
Polution Served: Not reported
Tons per Day: NA
Yards per Day: NA
Application: NEW APPLICATION
Lat/Long: 30.026669999999999 / -98.89582999999

Region: 13
Permit Number: 42007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BFI KERRVILLE LANDFILL TEXAS LP LANDFILL/HAULING F (Continued)

S108862550

Facility Status: INACTIVE
Facility Type: 5RC
Permit Status: ISSUED
Status Date: 10/11/1994
Mailing Address: Not reported
Client Name: OWNOPR: City of Kerrville
Client Address: OWNOPR: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: OWNOPR: (210) 257 - 8000
Business Type: CITY
Area Served: Not reported
Estimated Closure Date: Not reported
Permit Acreage: 4
Permit Start: Not reported
Permit End: Not reported
Pollution Served: 40000
Tons per Day: 5
Yards per Day: Not reported
Application: Not reported
Lat/Long: 30.026669999999999 / -99.10416999999

TIER 2:

Facility Id: FATR20064WHY36011HQP
Facility Country: USA
All Chemicals Same As Last Year: T
Date Tier 2 Signed: 02/28/2007
Dikes/Other Safeguard Meas Emp?: Not reported
Facility Department: Not reported
Facility Date Modified: 10/10/2007
State Fees Total: Not reported
Mailing Address: Not reported
Mailing City: Not reported
Mailing Country: USA
Mailing State: Not reported
Latitude: Not reported
Lat/Long Location Desc: Not reported
Lat/Long Method: Not reported
Longitude: Not reported
Number Of Employess On Site: Not reported
Reporting Year: 2006
Site Coordinate Abbr Submitted: Not reported
Fail Valid: Not reported
Site Map: Not reported
Checkbox 1: Not reported
Clabel 1: Initial
C Required 1: Not reported
N Label 1: Not reported
N Req 1: Not reported
Number 1: Not reported
Text 1: BFI KERRVILLE LANDFILL TEXAS LP
T Label 1: If no please provide facility name as reported last year (if known)
T Req. 1: Not reported
Checkbox 2: Not reported
Clabel 2: Updated
C Required 2: Not reported
N Label 2: Not reported
N Req. 2: Not reported
Number 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BFI KERRVILLE LANDFILL TEXAS LP LANDFILL/HAULING F (Continued)

S108862550

Text 2:	BFI WASTE SYSTEMS
T Label 2:	If
T Req. 2:	Not reported
Checkbox 3:	T
Clabel 3:	Annual
C Required 3:	Not reported
N Label 3:	Not reported
N Req. 3:	Not reported
Number 3:	Not reported
Text 3:	PO BOX 201690 SAN ANTONIO TX 78220
T Label 3:	If no please provide Owner/Operator address as reported last year
T Req. 3:	Not reported
Checkbox 4:	Not reported
Clabel 4:	Confidential Locations Included
C Required 4:	Not reported
Text 4:	Not reported
T Label 4:	Not reported
T Req. 4:	Not reported
Checkbox 5:	Not reported
Clabel 5:	EPCRA 302 Submission
C Required 5:	Not reported
Text 5:	Not reported
T Label 5:	Not reported
T Req. 5:	Not reported
Checkbox 6:	T
Clabel 6:	Consolidating Facilities
C Required 6:	Not reported
Text 6:	Not reported
T Label 6:	Not reported
T Req. 6:	Not reported
Checkbox 7:	Not reported
Clabel 7:	Facility name reported same as last year
C Required 7:	Not reported
Text 7:	Not reported
T Label 7:	Not reported
T Req. 7:	Not reported
Checkbox 8:	Not reported
C Label 8:	Not reported
C Required 8:	Not reported
Checkbox 9:	Not reported
C Label 9:	Owner/Operator address reported same as last year
C Required 9:	Not reported
Text 8:	Not reported
T Label 8:	Not reported
T Req. 8:	Not reported
Contact 1:	Not reported
Heading 1:	Not reported
Req. Contact 1:	Not reported
Contact 2:	Not reported
Req. Contact 2:	Not reported
County Required:	T
Dept. Required:	Not reported
State Id:	Not reported
State Id Req.:	Not reported
Label Code:	TX2006
Number Of Emp. Required:	Not reported
Site Plan Req.:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BFI KERRVILLE LANDFILL TEXAS LP LANDFILL/HAULING F (Continued)

S108862550

Sub. By:	MICHAEL STEWART
Fire Dist.:	Not reported
Mail Address Req.:	Not reported
Mail City Req.:	Not reported
Mail County Req.:	Not reported
Mail State Req.:	Not reported
Mail Zip Req.:	Not reported
Fire Dist. Required:	Not reported
Notes:	Not reported
Validation:	Not reported
Facility Id:	FATR20074WHY36011HQP
Facility Country:	USA
All Chemicals Same As Last Year:	Not reported
Date Tier 2 Signed:	2/11/2008
Dikes/Other Safeguard Meas Emp?:	Not reported
Facility Department:	Not reported
Facility Date Modified:	8/5/2008
State Fees Total:	Not reported
Mailing Address:	Not reported
Mailing City:	Not reported
Mailing Country:	USA
Mailing State:	Not reported
Latitude:	Not reported
Lat/Long Location Desc:	Not reported
Lat/Long Method:	Not reported
Longitude:	Not reported
Number Of Emploeyss On Site:	Not reported
Reporting Year:	2007
Site Coordinate Abbr Submitted:	Not reported
Fail Valid:	Not reported
Site Map:	Not reported
Checkbox 1:	Not reported
Clabel 1:	Initial
C Required 1:	Not reported
N Label 1:	Not reported
N Req 1:	Not reported
Number 1:	Not reported
Text 1:	57668
T Label 1:	TXT2 Number:
T Req. 1:	T
Checkbox 2:	Not reported
Clabel 2:	Updated
C Required 2:	Not reported
N Label 2:	Not reported
N Req. 2:	Not reported
Number 2:	Not reported
Text 2:	Not reported
T Label 2:	Not reported
T Req. 2:	Not reported
Checkbox 3:	T
Clabel 3:	Annual
C Required 3:	Not reported
N Label 3:	Not reported
N Req. 3:	Not reported
Number 3:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BFI KERRVILLE LANDFILL TEXAS LP LANDFILL/HAULING F (Continued)

S108862550

Text 3:	Not reported
T Label 3:	Not reported
T Req. 3:	Not reported
Checkbox 4:	Not reported
Clabel 4:	Confidential Locations Included
C Required 4:	Not reported
Text 4:	Not reported
T Label 4:	Not reported
T Req. 4:	Not reported
Checkbox 5:	Not reported
Clabel 5:	EPCRA 302 Submission
C Required 5:	Not reported
Text 5:	Not reported
T Label 5:	Not reported
T Req. 5:	Not reported
Checkbox 6:	T
Clabel 6:	Consolidating Facilities
C Required 6:	Not reported
Text 6:	Not reported
T Label 6:	Not reported
T Req. 6:	Not reported
Checkbox 7:	Not reported
Clabel 7:	Not reported
C Required 7:	Not reported
Text 7:	Not reported
T Label 7:	Not reported
T Req. 7:	Not reported
Checkbox 8:	Not reported
C Label 8:	Not reported
C Required 8:	Not reported
Checkbox 9:	Not reported
C Label 9:	Not reported
C Required 9:	Not reported
Text 8:	Not reported
T Label 8:	Not reported
T Req. 8:	Not reported
Contact 1:	Not reported
Heading 1:	Not reported
Req. Contact 1:	Not reported
Contact 2:	Not reported
Req. Contact 2:	Not reported
County Required:	T
Dept. Required:	Not reported
State Id:	Not reported
State Id Req.:	Not reported
Label Code:	TX2007
Number Of Emp. Required:	Not reported
Site Plan Req.:	Not reported
Sub. By:	Michael Stewart
Fire Dist.:	Not reported
Mail Address Req.:	Not reported
Mail City Req.:	Not reported
Mail County Req.:	Not reported
Mail State Req.:	Not reported
Mail Zip Req.:	Not reported
Fire Dist. Required:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BFI KERRVILLE LANDFILL TEXAS LP LANDFILL/HAULING F (Continued)

S108862550

Chemical Inventory:

Acute Health Risks:	T
Average Daily Amount:	Not reported
Average Dail Amount Code:	04
Facility Id:	FATR20074WHY36011HQP
Chemical Inv Record Id:	CVTR20074WHZ9J001A5K
Chemical Same As Last Year:	Not reported
Chronic Health Risks:	Not reported
Cas Number:	68476-34-6
Ehs Substance:	Not reported
Last Modified:	2/26/2008
Days On Site:	365
Chemical Name:	DIESEL FUEL
Fire Hazard:	T
Gas:	Not reported
Liquid:	T
Max Daily Amount:	Not reported
Max Daily Amount Code:	04
Max Amount In Largest Container:	Not reported
Mixture Form:	T
Sudden Release Of Pressure Haz:	Not reported
Pure Form:	Not reported
Reactive Hazard:	Not reported
Solid:	Not reported
Check Box 1:	Not reported
C Label 1:	Not reported
C Required 1:	Not reported
N Label 1:	Not reported
N Required 1:	Not reported
Number 1:	Not reported
Text 1:	Not reported
T Label 1:	Not reported
T Required 1:	Not reported
Check Box 2:	Not reported
C Label 2:	Not reported
C Required 2:	Not reported
N Label 2:	Not reported
N Required 2:	Not reported
Number 2:	Not reported
Text 2:	Not reported
T Label 2:	Not reported
T Required 2:	Not reported
Check Box 3:	Not reported
C Label 3:	Not reported
C Required 3:	Not reported
N Label 3:	Not reported
N Required 3:	Not reported
Number 3:	Not reported
Text 3:	Not reported
T Label 3:	Not reported
T Required 3:	Not reported
Check Box 4:	Not reported
C Label 4:	Not reported
N Required 4:	Not reported
C Required 4:	Not reported
Number 4:	Not reported
Text 4:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BFI KERRVILLE LANDFILL TEXAS LP LANDFILL/HAULING F (Continued)

S108862550

T Label 4: Not reported
T Required 4: Not reported
Check Box 5: Not reported
C Label 5: Not reported
C Required 5: Not reported
Text 5: Not reported
T Label 5: Not reported
T Required 5: Not reported
Check Box 6: Not reported
C Label 6: Not reported
C Required 6: Not reported
Text 6: Not reported
T Label 6: Not reported
T Required 6: Not reported
Check Box 7: Not reported
C Label 7: Not reported
C Required 7: Not reported
Text 7: Not reported
T Label 7: Not reported
T Required 7: Not reported
Contact 1: Not reported
Heading 1: Not reported
Label Code: TX2007
Contact Label: Not reported
Average Daily Amount Req.: Not reported
Contact Comment 1: Not reported
Ehs Comment: Not reported
Label Code: TX2007
Daily Amount Req.: Not reported
Maximum Vessel Required: Not reported
Maximum Per Container: Not reported
Required Head: Not reported
Unit Required: Not reported
Trade Secret: Not reported

Chemical Inventory Location:

Record Key: CLTR20074WHZAM0028UB
Chemical Inventory Record Id: CVTR20074WHZ9J001A5K
Facility Route Record Id: FATR20074WHY36011HQP
Amt Of Sub Stored Or Transported: 10000
Amount Units: gallons
Type Of Storage: A
Number Code/Storage Pressure: 1
Number Code/Storage Temperature: 4
Desc of Loc(Or Transported) Subs: TANK CONTAINMENT AREA
Last Modified: 2/26/2008

Mix Chemical: Not reported
Acute Health Risks: T
Average Daily Amount: Not reported
Average Dail Amount Code: 01
Facility Id: FATR20074WHY36011HQP
Chemical Inv Record Id: CVTR20074WHZE30038F9
Chemical Same As Last Year: Not reported
Chronic Health Risks: Not reported
Cas Number: 64741-88-4
Ehs Substance: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BFI KERRVILLE LANDFILL TEXAS LP LANDFILL/HAULING F (Continued)

S108862550

Last Modified:	2/26/2008
Days On Site:	365
Chemical Name:	LUBRICATING OIL
Fire Hazard:	T
Gas:	Not reported
Liquid:	T
Max Daily Amount:	Not reported
Max Daily Amount Code:	03
Max Amount In Largest Container:	Not reported
Mixture Form:	T
Sudden Release Of Pressure Haz:	Not reported
Pure Form:	Not reported
Reactive Hazard:	Not reported
Solid:	Not reported
Check Box 1:	Not reported
C Label 1:	Not reported
C Required 1:	Not reported
N Label 1:	Not reported
N Required 1:	Not reported
Number 1:	Not reported
Text 1:	Not reported
T Label 1:	Not reported
T Required 1:	Not reported
Check Box 2:	Not reported
C Label 2:	Not reported
C Required 2:	Not reported
N Label 2:	Not reported
N Required 2:	Not reported
Number 2:	Not reported
Text 2:	Not reported
T Label 2:	Not reported
T Required 2:	Not reported
Check Box 3:	Not reported
C Label 3:	Not reported
C Required 3:	Not reported
N Label 3:	Not reported
N Required 3:	Not reported
Number 3:	Not reported
Text 3:	Not reported
T Label 3:	Not reported
T Required 3:	Not reported
Check Box 4:	Not reported
C Label 4:	Not reported
N Required 4:	Not reported
C Required 4:	Not reported
Number 4:	Not reported
Text 4:	Not reported
T Label 4:	Not reported
T Required 4:	Not reported
Check Box 5:	Not reported
C Label 5:	Not reported
C Required 5:	Not reported
Text 5:	Not reported
T Label 5:	Not reported
T Required 5:	Not reported
Check Box 6:	Not reported
C Label 6:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BFI KERRVILLE LANDFILL TEXAS LP LANDFILL/HAULING F (Continued)

S108862550

C Required 6: Not reported
Text 6: Not reported
T Label 6: Not reported
T Required 6: Not reported
Check Box 7: Not reported
C Label 7: Not reported
C Required 7: Not reported
Text 7: Not reported
T Label 7: Not reported
T Required 7: Not reported
Contact 1: Not reported
Heading 1: Not reported
Label Code: TX2007
Contact Label: Not reported
Average Daily Amount Req.: Not reported
Contact Comment 1: Not reported
Ehs Comment: Not reported
Label Code: TX2007
Daily Amount Req.: Not reported
Maximum Vessel Required: Not reported
Maximum Per Container: Not reported
Required Head: Not reported
Unit Required: Not reported
Trade Secret: Not reported

Chemical Inventory Location:

Record Key: CLTR20074WHZG70042B5
Chemical Inventory Record Id: CVTR20074WHZE30038F9
Facility Route Record Id: FATR20074WHY36011HQP
Amt Of Sub Stored Or Transported: 1250
Amount Units: gallons
Type Of Storage: C
Number Code/Storage Pressure: 1
Number Code/Storage Temperature: 4
Desc of Loc(Or Transported) Subs: SHOP
Last Modified: 2/26/2008

Mix Chemical: Not reported

Contact:

Contact Email: Not reported
Contact Mail Address: 3315 LOOP 534
Contact Mail City: KERRVILLE
Contact Mail Country: USA
Contact Mail State: TX
Contact Mail Zip Code: 78028
Contact Type 1: Emergency Contact
Contact Type 2: Not reported
Contact Type 3: Not reported
Contact Type 4: Not reported
Contact Record Id: CTTR20074WHYBR014C14
Contact First Name: Robert
Contact Last Name: Walker
Modification Date: 2/26/2008
Title: LANDFILL MANAGER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BFI KERRVILLE LANDFILL TEXAS LP LANDFILL/HAULING F (Continued)

S108862550

Contact:

Contact Email: Not reported
Contact Mail Address: 2575 IH 35 SOUTH, SUITE,103
Contact Mail City: SAN MARCOS
Contact Mail Country: USA
Contact Mail State: TX
Contact Mail Zip Code: 78666
Contact Type 1: Owner / Operator
Contact Type 2: Not reported
Contact Type 3: Not reported
Contact Type 4: Not reported
Contact Record Id: CTRR20074WHXVK00UXES
Contact First Name: MICHAEL
Contact Last Name: STEWART
Modification Date: 2/26/2008
Title: DISTRICT ENVIRONMENTAL MANAGER

Contact:

Contact Email: Not reported
Contact Mail Address: 4542 SE LOOP 410
Contact Mail City: SAN ANTONIO
Contact Mail Country: USA
Contact Mail State: TX
Contact Mail Zip Code: 78222
Contact Type 1: Emergency Contact
Contact Type 2: Not reported
Contact Type 3: Not reported
Contact Type 4: Not reported
Contact Record Id: CTRR20074WYRHK0013RK
Contact First Name: GREG
Contact Last Name: RUTHERFORD
Modification Date: 2/26/2008
Title: GENERAL MANAGER

Notes:

Description: Not reported
Facility Id: REFUSE SYSTEMS
Id: FATR20074WHY36011HQP
Last Modified: 4953
Record Key: 1/19/2007
Id Type: FDTR20074WHY36012HR5
SIC

Validation: This facility passed all validation checks.

**B6
NNW
1/4-1/2
0.271 mi.
1431 ft.**

**CITY OF KERRVILLE LANDFILL
3315 LOOP 534
KERRVILLE, TX 78028
Site 2 of 2 in cluster B**

**SWF/LF S107790467
N/A**

**Relative:
Higher**

SWF/LF:
Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1

**Actual:
1594 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF KERRVILLE LANDFILL (Continued)

S107790467

Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Name: BILLING: City of Kerrville
Client Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: BILLING: (830) 257 - 8000
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 1/16/2008
Permit End: 12/15/2008
Pollution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: MODIFICATION
Lat/Long: 30.026669999999999 / -98.8958299999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: Not reported
Client Name: Not reported
Client Address: Not reported
Client Telephone: N/A
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 5/9/2006
Permit End: 10/2/2007
Pollution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: NOTICE MODIFICATION
Lat/Long: 30.026669999999999 / -98.8958299999

Region: 13
Permit Number: 1506
Facility Status: ACTIVE
Facility Type: 1
Permit Status: SUPERSEDED
Status Date: 1/21/1999
Mailing Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Name: BILLING: City of Kerrville
Client Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: BILLING: (830) 257 - 8000
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 2/11/1982
Permit End: 10/19/1983
Pollution Served: 50000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF KERRVILLE LANDFILL (Continued)

S107790467

Tons per Day: 60
Yards per Day: 300
Application: NEW APPLICATION
Lat/Long: 30.026669999999999 / -98.89582999999

Region: 13
Permit Number: 1506
Facility Status: ACTIVE
Facility Type: 1
Permit Status: SUPERSEDED
Status Date: 1/21/1999
Mailing Address: Not reported
Client Name: Not reported
Client Address: Not reported
Client Telephone: N/A
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 2/11/1982
Permit End: 10/19/1983
Pollution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: NEW APPLICATION
Lat/Long: 30.026669999999999 / -98.89582999999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Name: BILLING: City of Kerrville
Client Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: BILLING: (830) 257 - 8000
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 5/22/2008
Permit End: Not reported
Pollution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: MODIFICATION
Lat/Long: 30.026669999999999 / -98.89582999999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Name: BILLING: City of Kerrville

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF KERRVILLE LANDFILL (Continued)

S107790467

Client Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: BILLING: (830) 257 - 8000
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 8/14/2006
Permit End: Not reported
Pollution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: MODIFICATION
Lat/Long: 30.026669999999999 / -98.89582999999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: Not reported
Client Name: Not reported
Client Address: Not reported
Client Telephone: N/A
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 5/2/2005
Permit End: 6/21/2005
Pollution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: MODIFICATION
Lat/Long: 30.026669999999999 / -98.89582999999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Name: BILLING: City of Kerrville
Client Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: BILLING: (830) 257 - 8000
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 5/28/2008
Permit End: Not reported
Pollution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: MODIFICATION
Lat/Long: 30.026669999999999 / -98.89582999999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF KERRVILLE LANDFILL (Continued)

S107790467

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Name: BILLING: City of Kerrville
Client Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: BILLING: (830) 257 - 8000
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 11/27/2006
Permit End: 12/29/2006
Polution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: TEMPORARY AUTHORIZATION
Lat/Long: 30.02666999999999 / -98.8958299999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: Not reported
Client Name: Not reported
Client Address: Not reported
Client Telephone: N/A
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 3/28/2008
Permit End: 11/3/2008
Polution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: MODIFICATION
Lat/Long: 30.02666999999999 / -98.8958299999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Name: BILLING: City of Kerrville
Client Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: BILLING: (830) 257 - 8000
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF KERRVILLE LANDFILL (Continued)

S107790467

Permit Acreage: 56
Permit Start: 9/25/2006
Permit End: 3/8/2007
Pollution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: MODIFICATION
Lat/Long: 30.026669999999999 / -98.8958299999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Name: BILLING: City of Kerrville
Client Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: BILLING: (830) 257 - 8000
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 12/13/1999
Permit End: 2/15/2001
Pollution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: MAJOR AMENDMENT
Lat/Long: 30.026669999999999 / -98.8958299999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Name: BILLING: City of Kerrville
Client Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: BILLING: (830) 257 - 8000
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 5/3/2007
Permit End: 10/22/2007
Pollution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: NOTICE MODIFICATION
Lat/Long: 30.026669999999999 / -98.8958299999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF KERRVILLE LANDFILL (Continued)

S107790467

Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Name: BILLING: City of Kerrville
Client Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: BILLING: (830) 257 - 8000
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 5/2/2005
Permit End: 6/21/2005
Polution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: MODIFICATION
Lat/Long: 30.026669999999999 / -98.8958299999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Name: BILLING: City of Kerrville
Client Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: BILLING: (830) 257 - 8000
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 5/9/2006
Permit End: 10/2/2007
Polution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: NOTICE MODIFICATION
Lat/Long: 30.026669999999999 / -98.8958299999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Name: BILLING: City of Kerrville
Client Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: BILLING: (830) 257 - 8000
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 3/28/2008
Permit End: 11/3/2008
Polution Served: 50000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF KERRVILLE LANDFILL (Continued)

S107790467

Tons per Day: 60
Yards per Day: 300
Application: MODIFICATION
Lat/Long: 30.026669999999999 / -98.89582999999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: Not reported
Client Name: Not reported
Client Address: Not reported
Client Telephone: N/A
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 5/22/2008
Permit End: Not reported
Polution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: MODIFICATION
Lat/Long: 30.026669999999999 / -98.89582999999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: Not reported
Client Name: Not reported
Client Address: Not reported
Client Telephone: N/A
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 9/25/2006
Permit End: 3/8/2007
Polution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: MODIFICATION
Lat/Long: 30.026669999999999 / -98.89582999999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: Not reported
Client Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF KERRVILLE LANDFILL (Continued)

S107790467

Client Address: Not reported
Client Telephone: N/A
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 1/16/2008
Permit End: 12/15/2008
Pollution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: MODIFICATION
Lat/Long: 30.026669999999999 / -98.89582999999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: Not reported
Client Name: Not reported
Client Address: Not reported
Client Telephone: N/A
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 11/27/2006
Permit End: 12/29/2006
Pollution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: TEMPORARY AUTHORIZATION
Lat/Long: 30.026669999999999 / -98.89582999999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: Not reported
Client Name: Not reported
Client Address: Not reported
Client Telephone: N/A
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 8/14/2006
Permit End: Not reported
Pollution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: MODIFICATION
Lat/Long: 30.026669999999999 / -98.89582999999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF KERRVILLE LANDFILL (Continued)

S107790467

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: Not reported
Client Name: Not reported
Client Address: Not reported
Client Telephone: N/A
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 5/28/2008
Permit End: Not reported
Polution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: MODIFICATION
Lat/Long: 30.02666999999999 / -98.8958299999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: Not reported
Client Name: Not reported
Client Address: Not reported
Client Telephone: N/A
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907
Permit Acreage: 56
Permit Start: 12/13/1999
Permit End: 2/15/2001
Polution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: MAJOR AMENDMENT
Lat/Long: 30.02666999999999 / -98.8958299999

Region: 13
Permit Number: 1506A
Facility Status: ACTIVE
Facility Type: 1
Permit Status: ISSUED
Status Date: 1/21/1999
Mailing Address: Not reported
Client Name: Not reported
Client Address: Not reported
Client Telephone: N/A
Business Type: CITY
Area Served: KERR GILLESPIE COS
Estimated Closure Date: 2/1/1907

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF KERRVILLE LANDFILL (Continued)

S107790467

Permit Acreage: 56
Permit Start: 5/3/2007
Permit End: 10/22/2007
Pollution Served: 50000
Tons per Day: 60
Yards per Day: 300
Application: NOTICE MODIFICATION
Lat/Long: 30.026669999999999 / -98.89582999999

Region: 13
Permit Number: 42028
Facility Status: ACTIVE
Facility Type: 5RC
Permit Status: ISSUED
Status Date: 3/17/2004
Mailing Address: Not reported
Client Name: OWNOPR: City of Kerrville
Client Address: OWNOPR: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: OWNOPR: (210) 257 - 8000
Business Type: CITY
Area Served: KERR COUNTY
Estimated Closure Date: Not reported
Permit Acreage: N/A
Permit Start: 3/17/2004
Permit End: 2/1/2005
Pollution Served: Not reported
Tons per Day: N/A
Yards per Day: 300
Application: NEW APPLICATION
Lat/Long: 30.026669999999999 / -99.10416999999

Region: 13
Permit Number: 42028
Facility Status: ACTIVE
Facility Type: 5RC
Permit Status: ISSUED
Status Date: 3/17/2004
Mailing Address: Not reported
Client Name: BILLING: City of Kerrville
Client Address: BILLING: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: BILLING: (830) 792 - 8325
Business Type: CITY
Area Served: KERR COUNTY
Estimated Closure Date: Not reported
Permit Acreage: N/A
Permit Start: 3/17/2004
Permit End: 2/1/2005
Pollution Served: Not reported
Tons per Day: N/A
Yards per Day: 300
Application: NEW APPLICATION
Lat/Long: 30.026669999999999 / -99.10416999999

Region: 13
Permit Number: 42028
Facility Status: ACTIVE
Facility Type: 5RC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF KERRVILLE LANDFILL (Continued)

S107790467

Permit Status: ISSUED
Status Date: 3/17/2004
Mailing Address: Not reported
Client Name: OWNOPR: City of Kerrville
Client Address: OWNOPR: 800 JUNCTION HWY KERRVILLE, TX 780282215
Client Telephone: OWNOPR: (830) 792 - 8325
Business Type: CITY
Area Served: KERR COUNTY
Estimated Closure Date: Not reported
Permit Acreage: N/A
Permit Start: 3/17/2004
Permit End: 2/1/2005
Pollution Served: Not reported
Tons per Day: N/A
Yards per Day: 300
Application: NEW APPLICATION
Lat/Long: 30.026669999999999 / -99.1041699999

7
WSW
1/4-1/2
0.384 mi.
2027 ft.

**PALACE CAFE
S HWY 181
FALLS CITY, TX 78113**

**UST U003567590
LPST N/A**

**Relative:
Higher**

UST:

**Actual:
1599 ft.**

Facility ID: 0026792
Facility Type: Retail
Name of Facility Manager: ANTHONY KUSENBERGER
Title of Facility Manager: VP
Facility Manager Phone: 830-278-5681
Facility Rural Box: Not reported
Facility in Ozone non-attainment area: Not reported
TCEQ Num: 062381
Owner ID: 54291
Date Registration Form Received: 050886
Region Number: 13
Number of USTs: 5
Sign Name on Registration Form: P PARSONS
Title of Signer of Registration Form: PRES
Date of Signature on Registration Form: 050586
Owner Effective Begin Date: 072899

Owner ID: 54291
Owner Name: WESTEX CAPITAL LTD
Owner Address: Not reported
Owner PO Box: PO BOX 1309
Owner City,St,Zip: DEL RIO, TX 78841
Owner Contact Name: ANTHONY KUSENBERGER
Contact Telephone: 830-775-7761
Owner Type: Corporation
Mail Undeliverable: Not reported
Bankruptcy is in effect: Not reported
Owner Amendment Reason Code: Owner Billing Address Changed
Owner Amendment Date: 061705
Number of Facilities reported by Owner: 0082
Of Underground Storage Tanks: 0158
Of Aboveground Storage Tanks: 0104

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PALACE CAFE (Continued)

U003567590

Self-Certification Date: 121901
Signature Name: ANTHONY KUSENBERGER
Signature Title Name: VP
Signature Type Text: Owner
Certification Submitted Type: Annual renewal
Registration Self-Certification Flag: Yes
Fees Self-Certification Flag: Yes
Financial Assurance Self-Certification flag: Yes
Technical standards Self-Certification flag: Yes
UST Delivery Certificate Expiration Date: 200301

Self-Certification Date: 110200
Signature Name: RUBY PAWELEK
Signature Title Name: OWNER
Signature Type Text: Operator
Certification Submitted Type: Initial
Registration Self-Certification Flag: Yes
Fees Self-Certification Flag: Yes
Financial Assurance Self-Certification flag: Yes
Technical standards Self-Certification flag: Yes
UST Delivery Certificate Expiration Date: 200201

Operator ID: Not reported
Operator Effective Date: Not reported
Operator Type: Not reported
Operator First Name: Not reported
Operator Name: Not reported
Operator Building Loc: Not reported
Operator Telephone: Not reported
Operator Address: Not reported
Operator PO Box: Not reported
Operator City, St, Zip: Not reported
Operator Contact Name: Not reported
Operator Contact Title: Not reported
Operator Contact Phone: Not reported

Tank ID: 1
Unit ID: 00183795
Tank Status: Removed from the Ground
Status Date: 12012005
Installation Date: 06041997
Tank Registration Date: 06101997
Capacity: 0001000
Tank Emptied: No
Tank Construction and Containment: Single Wall
Tank Construction and Containment II: Not reported
Tank Construction and Containment III: Not reported
Tank Construction and Containment IV: Not reported
Pipe Construction and Containment: Single Wall
Pipe Construction and Containment II: Not reported
Piping Design and Ext. Containment 3: Not reported
Piping Design and Ext. Containment 4: Not reported
Type of Piping: Suction
Internal Tank Lining Date: 00000000
Tank Material of Construction: Composite (steel w/external FRP cladding)
Other Materials of Construction: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PALACE CAFE (Continued)

U003567590

Pipe Material of Construction:	FRP (fiberglass-reinforced plastic)
Other Construction and Containment:	Not reported
Pipe Connectors and Valves 1:	Not reported
Pipe Connectors and Valves 2:	Not reported
Pipe Connectors and Valves 3:	Not reported
Tank Corrosion Protection:	Composite Tank (steel w/FRP external laminate)
Tank Corrosion Protection II:	Not reported
Tank Corrosion Protection III:	Not reported
Other Tank Corrosion Protection Text:	Not reported
Tank Corrosion Protection Variance:	No Variance
Pipe Corrosion Protection:	FRP tank or piping (noncorrodible)
Pipe Corrosion Protection II:	Not reported
Pipe Corrosion Protection 3:	Not reported
Other Corrosion Protection:	Not reported
Pipe Corrosion Protection Variance:	No Variance
Stage 1 Vapor Recovery Equipment Status:	Not Reported
Stage 1 Equipment Installed Date:	Not reported
Stage 2 Vapor Recry Equipment Status:	Not Reported
Stage 2 Equipment Installed Date:	Not reported
Equipment Installer:	Not reported
Contractor Registration Number:	Not reported
Tank Tested:	Not reported
Installer License Number:	Not reported
Tank Installer:	Not reported
Self-Certification Date:	110200
Compartment:	A
Self-Certification Date:	121901
Compartment:	A
Compartment Letter:	A
Compartment Capacity:	0000000
Compartment Substance Stored:	Gasoline
Compartment Other Substance:	Not reported
Tank Release Method Detection I:	Vapor Monitoring
Tank Release Method Detection II:	Not reported
Tank Release Method Detection III:	Not reported
Other Tank Release Method Detection:	Auto Tank Gauging
Tank Release Detection Variance:	No Variance
Pipe Release Detection Method:	Annual Piping Tightness Test (@0.1 gph)
Pipe Release Detection Method II:	Vapor Monitoring
Pipe Release Detection Method III:	Not reported
Other Pipe Release Detection Method:	Tightness Testing
Pipe Release Detection Variance:	No Variance
Spill and Overfill Protection:	Auto. Delivery Shut-off Valve
Spill and Overfill Protection II:	Factory-Built Spill Container/Bucket/Sump
Spill and Overfill Protection III:	1
Spill Overfill Prevention Variation:	No Variance
Tank ID:	1
Unit ID:	00070234
Tank Status:	Removed from the Ground
Status Date:	06041997
Installation Date:	01011972
Tank Registration Date:	05081986
Capacity:	0000500
Tank Emptied:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PALACE CAFE (Continued)

U003567590

Tank Construction and Containment:	Single Wall
Tank Construction and Containment II:	Not reported
Tank Construction and Containment III:	Not reported
Tank Construction and Containment IV:	Not reported
Pipe Construction and Containment:	Single Wall
Pipe Construction and Containment II:	Not reported
Piping Design and Ext. Containment 3:	Not reported
Piping Design and Ext. Containment 4:	Not reported
Type of Piping:	Not reported
Internal Tank Lining Date:	00000000
Tank Material of Construction:	Steel
Other Materials of Construction:	Not reported
Pipe Material of Construction:	Steel
Other Construction and Containment:	Not reported
Pipe Connectors and Valves 1:	Not reported
Pipe Connectors and Valves 2:	Not reported
Pipe Connectors and Valves 3:	Not reported
Tank Corrosion Protection:	Not reported
Tank Corrosion Protection II:	Not reported
Tank Corrosion Protection III:	Not reported
Other Tank Corrosion Protection Text:	Not reported
Tank Corrosion Protection Variance:	No Variance
Pipe Corrosion Protection:	Not reported
Pipe Corrosion Protection II:	Not reported
Pipe Corrosion Protection 3:	Not reported
Other Corrosion Protection:	Not reported
Pipe Corrosion Protection Variance:	No Variance
Stage 1 Vapor Recovery Equipment Status:	Not Reported
Stage 1 Equipment Installed Date:	Not reported
Stage 2 Vapor Recry Equipment Status:	Not Reported
Stage 2 Equipment Installed Date:	Not reported
Equipment Installer:	Not reported
Contractor Registration Number:	Not reported
Tank Tested:	Not reported
Installer License Number:	Not reported
Tank Installer:	Not reported
Self-Certification Date:	110200
Compartment:	A
Self-Certification Date:	121901
Compartment:	A
Compartment Letter:	A
Compartment Capacity:	0000000
Compartment Substance Stored:	Gasoline
Compartment Other Substance:	Not reported
Tank Release Method Detection I:	Vapor Monitoring
Tank Release Method Detection II:	Not reported
Tank Release Method Detection III:	Not reported
Other Tank Release Method Detection:	Inventory Control
Tank Release Detection Variance:	No Variance
Pipe Release Detection Method:	Vapor Monitoring
Pipe Release Detection Method II:	Not reported
Pipe Release Detection Method III:	Not reported
Other Pipe Release Detection Method:	Tightness Testing
Pipe Release Detection Variance:	No Variance
Spill and Overfill Protection:	Tight-Fill Fitting

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PALACE CAFE (Continued)

U003567590

Spill and Overfill Protection II: Not reported
Spill and Overfill Protection III: Not reported
Spill Overfill Prevention Variation: No Variance

Tank ID: 2
Unit ID: 00070233
Tank Status: Removed from the Ground
Status Date: 04131991
Installation Date: 01011972
Tank Registration Date: 05081986
Capacity: 0001000
Tank Emptied: No
Tank Construction and Containment: Not reported
Tank Construction and Containment II: Not reported
Tank Construction and Containment III: Not reported
Tank Construction and Containment IV: Not reported
Pipe Construction and Containment: Not reported
Pipe Construction and Containment II: Not reported
Piping Design and Ext. Containment 3: Not reported
Piping Design and Ext. Containment 4: Not reported
Type of Piping: Not reported
Internal Tank Lining Date: 00000000
Tank Material of Construction: Steel
Other Materials of Construction: Not reported
Pipe Material of Construction: Steel
Other Construction and Containment: Not reported
Pipe Connectors and Valves 1: Not reported
Pipe Connectors and Valves 2: Not reported
Pipe Connectors and Valves 3: Not reported
Tank Corrosion Protection: Not reported
Tank Corrosion Protection II: Not reported
Tank Corrosion Protection III: Not reported
Other Tank Corrosion Protection Text: Not reported
Tank Corrosion Protection Variance: No Variance
Pipe Corrosion Protection: Not reported
Pipe Corrosion Protection II: Not reported
Pipe Corrosion Protection 3: Not reported
Other Corrosion Protection: Not reported
Pipe Corrosion Protection Variance: No Variance
Stage 1 Vapor Recovery Equipment Status: Not Reported
Stage 1 Equipment Installed Date: Not reported
Stage 2 Vapor Recry Equipment Status: Not Reported
Stage 2 Equipment Installed Date: Not reported
Equipment Installer: Not reported
Contractor Registration Number: Not reported
Tank Tested: Not reported
Installer License Number: Not reported
Tank Installer: Not reported

Self-Certification Date: 110200
Compartment: A
Self-Certification Date: 121901
Compartment: A

Compartment Letter: A
Compartment Capacity: 0000000
Compartment Substance Stored: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PALACE CAFE (Continued)

U003567590

Compartment Other Substance:	Not reported
Tank Release Method Detection I:	Not reported
Tank Release Method Detection II:	Not reported
Tank Release Method Detection III:	Not reported
Other Tank Release Method Detection:	None
Tank Release Detection Variance:	No Variance
Pipe Release Detection Method:	Not reported
Pipe Release Detection Method II:	Not reported
Pipe Release Detection Method III:	Not reported
Other Pipe Release Detection Method:	None
Pipe Release Detection Variance:	No Variance
Spill and Overfill Protection:	Not reported
Spill and Overfill Protection II:	Not reported
Spill and Overfill Protection III:	Not reported
Spill Overfill Prevention Variation:	No Variance
Tank ID:	2
Unit ID:	00070235
Tank Status:	Removed from the Ground
Status Date:	12012005
Installation Date:	03011991
Tank Registration Date:	05081986
Capacity:	0001000
Tank Emptied:	No
Tank Construction and Containment:	Single Wall
Tank Construction and Containment II:	Not reported
Tank Construction and Containment III:	Not reported
Tank Construction and Containment IV:	Not reported
Pipe Construction and Containment:	Single Wall
Pipe Construction and Containment II:	Not reported
Piping Design and Ext. Containment 3:	Not reported
Piping Design and Ext. Containment 4:	Not reported
Type of Piping:	Suction
Internal Tank Lining Date:	00000000
Tank Material of Construction:	Composite (steel w/external FRP cladding)
Other Materials of Construction:	Not reported
Pipe Material of Construction:	FRP (fiberglass-reinforced plastic)
Other Construction and Containment:	Not reported
Pipe Connectors and Valves 1:	Not reported
Pipe Connectors and Valves 2:	Not reported
Pipe Connectors and Valves 3:	Not reported
Tank Corrosion Protection:	Composite Tank (steel w/FRP external laminate)
Tank Corrosion Protection II:	Isolated in Open Area
Tank Corrosion Protection III:	Not reported
Other Tank Corrosion Protection Text:	Not reported
Tank Corrosion Protection Variance:	No Variance
Pipe Corrosion Protection:	FRP tank or piping (noncorrodible)
Pipe Corrosion Protection II:	Not reported
Pipe Corrosion Protection 3:	Not reported
Other Corrosion Protection:	Not reported
Pipe Corrosion Protection Variance:	No Variance
Stage 1 Vapor Recovery Equipment Status:	Not Reported
Stage 1 Equipment Installed Date:	Not reported
Stage 2 Vapor Recry Equipment Status:	Not Reported
Stage 2 Equipment Installed Date:	Not reported
Equipment Installer:	Not reported
Contractor Registration Number:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PALACE CAFE (Continued)

U003567590

Tank Tested:	Not reported
Installer License Number:	Not reported
Tank Installer:	Not reported
Self-Certification Date:	110200
Compartment:	A
Self-Certification Date:	121901
Compartment:	A
Compartment Letter:	A
Compartment Capacity:	0000000
Compartment Substance Stored:	Gasoline
Compartment Other Substance:	Not reported
Tank Release Method Detection I:	Vapor Monitoring
Tank Release Method Detection II:	Not reported
Tank Release Method Detection III:	Not reported
Other Tank Release Method Detection:	Auto Tank Gauging & inv. contr
Tank Release Detection Variance:	No Variance
Pipe Release Detection Method:	Annual Piping Tightness Test (@0.1 gph)
Pipe Release Detection Method II:	Auto. Line Leak Detector (3.0 gph for pressure piping)
Pipe Release Detection Method III:	Vapor Monitoring
Other Pipe Release Detection Method:	Tightness Testing
Pipe Release Detection Variance:	No Variance
Spill and Overfill Protection:	Auto. Delivery Shut-off Valve
Spill and Overfill Protection II:	Factory-Built Spill Container/Bucket/Sump
Spill and Overfill Protection III:	1
Spill Overfill Prevention Variation:	No Variance
Tank ID:	3
Unit ID:	00136348
Tank Status:	Removed from the Ground
Status Date:	12012005
Installation Date:	05011989
Tank Registration Date:	10051990
Capacity:	0001000
Tank Emptied:	No
Tank Construction and Containment:	Single Wall
Tank Construction and Containment II:	Not reported
Tank Construction and Containment III:	Not reported
Tank Construction and Containment IV:	Not reported
Pipe Construction and Containment:	Single Wall
Pipe Construction and Containment II:	Not reported
Piping Design and Ext. Containment 3:	Not reported
Piping Design and Ext. Containment 4:	Not reported
Type of Piping:	Suction
Internal Tank Lining Date:	00000000
Tank Material of Construction:	Composite (steel w/external FRP cladding)
Other Materials of Construction:	Not reported
Pipe Material of Construction:	FRP (fiberglass-reinforced plastic)
Other Construction and Containment:	Not reported
Pipe Connectors and Valves 1:	Not reported
Pipe Connectors and Valves 2:	Not reported
Pipe Connectors and Valves 3:	Not reported
Tank Corrosion Protection:	Composite Tank (steel w/FRP external laminate)
Tank Corrosion Protection II:	Cathodic Protection - Field Installation
Tank Corrosion Protection III:	Not reported
Other Tank Corrosion Protection Text:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PALACE CAFE (Continued)

U003567590

Tank Corrosion Protection Variance:	No Variance
Pipe Corrosion Protection:	FRP tank or piping (noncorrodible)
Pipe Corrosion Protection II:	Not reported
Pipe Corrosion Protection 3:	Not reported
Other Corrosion Protection:	Not reported
Pipe Corrosion Protection Variance:	No Variance
Stage 1 Vapor Recovery Equipment Status:	Not Reported
Stage 1 Equipment Installed Date:	Not reported
Stage 2 Vapor Recry Equipment Status:	Not Reported
Stage 2 Equipment Installed Date:	Not reported
Equipment Installer:	Not reported
Contractor Registration Number:	Not reported
Tank Tested:	Tested
Installer License Number:	Not reported
Tank Installer:	Not reported
Self-Certification Date:	110200
Compartment:	A
Self-Certification Date:	121901
Compartment:	A
Compartment Letter:	A
Compartment Capacity:	0000000
Compartment Substance Stored:	Gasoline
Compartment Other Substance:	Not reported
Tank Release Method Detection I:	Automatic Tank Gauge Test and Inventory Cntrl
Tank Release Method Detection II:	Vapor Monitoring
Tank Release Method Detection III:	Not reported
Other Tank Release Method Detection:	Not reported
Tank Release Detection Variance:	No Variance
Pipe Release Detection Method:	Annual Piping Tightness Test (@0.1 gph)
Pipe Release Detection Method II:	Not reported
Pipe Release Detection Method III:	Not reported
Other Pipe Release Detection Method:	Tightness Testing
Pipe Release Detection Variance:	No Variance
Spill and Overfill Protection:	Auto. Delivery Shut-off Valve
Spill and Overfill Protection II:	Factory-Built Spill Container/Bucket/Sump
Spill and Overfill Protection III:	1
Spill Overfill Prevention Variation:	No Variance
Opr His:	
Operator ID:	Not reported
Operator Name or Business Name:	Not reported
Operator Effective Begin Date:	Not reported
Operator Effective End Date:	Not reported
Own Hist:	
Facility ID:	Not reported
Facility Number:	Not reported
Customer Number:	Not reported
Individual Name or Business Name:	Not reported
Owner Effective Begin Date:	Not reported
Owner Effective End Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PALACE CAFE (Continued)

U003567590

LPST:

Facility ID: 0026792
Facility Location: 181 S HWY
Region City ID: 13
Region City: SAN ANTONIO
LPST Id: 100289
Reported Date: 9/18/1991
Entered Date: 11/5/1991
Priority: SOIL CONTAMINATION - NO REMEDIAL ACTION REQUIRED
Status: FINAL CONCURRENCE ISSUED, CASE CLOSED
RPR Coordinator: HELEN WELCH
Responsible Party Name: PRESTON PARSONS INC
Responsible Party Contact: PRESTON PARSONS
Responsible Party Address: PO BOX 629
Responsible Party City,St,Zip: KENEDY, TX 78119
Responsible Party Telephone: 512/583-2421

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
KERRVILLE	S106619728	CYPRESS CREEK RANCH	STAR ROUTE	78028	LPST
KERRVILLE	S106990858	HWY 173 SE NEAR KERRVILLE	HWY 173 SE NEAR KERRVILLE		SPILLS
KERRVILLE	1010768919	KERRVILLE BIN	4883 HIGHWAY 27	78028	FINDS
KERRVILLE	1010755002	KERRVILLE ROCK CRUSHING FACILITY	5250 HIGHWAY 27	78028	FINDS
KERRVILLE	1011363047	PARKING LOT 610 SOUTHWAY DR KERRVI	ACROSS THE STREET FROM THE GRA	78028	FINDS
KERRVILLE	1011933353	KERRVILLE AIRPORT	1875 AIRPORT LOOP RD	78028	FINDS
KERRVILLE	1010005932	KERRVILLE I.S.D (SVC CTR) TIVY HIG	1009 BARNETT STREET (1313 STAD	78028	FTTS
KERRVILLE	1008183174	KERRVILLE I.S.D (SVC CTR) TIVY HIG	1009 BARNETT STREET (1313 STAD	78028	HIST FTTS
KERRVILLE	S104811156	CITY OF KERRVILLE SWDS	1.7 M E OF SH 27 NE OF LEGION	78028	AIRS
KERRVILLE	S108457697	KERRVILLE STADIUM SUBSTATION	400 HOLDSWORTH DRIVE	78028	TIER 2
KERRVILLE	1011340214	CITY OF KERRVILLE	800 JUNCTION HWY KERRVILLE TX	78028	FINDS
KERRVILLE	S108419968	HILL COUNTRY DRY CLEAN SUPER CENTE	1480 JUNCTION HWY STE A	78028	DRYCLEANERS
KERRVILLE	S107643591	CITY OF KERRVILLE LANDFILL	3315 LOOP 534 APPROXIMATELY 2		ENF
KERRVILLE	S106256374	CITY KERRVILLE MUNICIPAL SER CTR	215 MCFAROUS ST	78028	LPST
KERRVILLE	1006835092	TEXAS DEPT OF MENTAL HEALTH/KERRVI	.5 MI SW OF W END OF SPUR 98,	78028	FINDS
KERRVILLE	S107643597	KERRVILLE STATE HOSPITAL	0.5 MILE SW OF W END OF SPUR H		SWF/LF, ENF
KERRVILLE	1010761432	KERRVILLE STATE HOSPITAL	0.5 MILE SW OF W END OF SPUR H	78028	FINDS
KERRVILLE	S107644558	CITY OF KERRVILLE	NE OF LEGION ROAD 1.7 MILE E O		ENF
KERRVILLE	S106169549	CITY OF KERRVILLE LANDFILL	NE OF LEGION ROAD 1.7 MILE E O		SWF/LF
KERRVILLE	1010456632	CITY OF KERRVILLE SERVICE MAINTENA	N OF N MCFARLAND DR & N HAYS	78028	FINDS
KERRVILLE	1010333778	CITY OF KERRVILLE SERVICE MAINTENA	N OF N MCFARLAND DR & N HAYS	78028	RCRA-NonGen
KERRVILLE	1006840959	KERRVILLE LANDFILL	E OF KERRVILLE, 2.5 MI SE OF S	78028	FINDS
KERRVILLE	S108459880	KERRVILLE	2022C SIDNEY BAKER	78028	TIER 2
KERRVILLE	S106256331	FORMER KERRVILLE CAR & TRUCK SALES	1112 N SIDNEY BAKER RD	78028	LPST
KERRVILLE	1010748434	KERRVILLE PLANT	2022 SIDNEY BAKER ST UNIT C	78028	FINDS
KERRVILLE	1011991658	KERRVILLE MUNI/LOUIS SC	UNKNOWN		FINDS
KERRVILLE	S104812914	KERRVILLE PLANT	0.5 MI W OF HWY 16 / IH-10	78028	AIRS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/02/2009	Source: EPA
Date Data Arrived at EDR: 02/12/2009	Telephone: N/A
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 04/20/2009
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/27/2009
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/23/2009	Source: EPA
Date Data Arrived at EDR: 04/28/2009	Telephone: N/A
Date Made Active in Reports: 05/19/2009	Last EDR Contact: 04/20/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/27/2009
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/17/2009
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 02/02/2009	Source: EPA
Date Data Arrived at EDR: 02/12/2009	Telephone: N/A
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 04/20/2009
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/27/2009
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/09/2009	Source: EPA
Date Data Arrived at EDR: 01/30/2009	Telephone: 703-412-9810
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/29/2009
Number of Days to Update: 101	Next Scheduled EDR Contact: 07/13/2009
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007	Source: EPA
Date Data Arrived at EDR: 12/06/2007	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 06/15/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/14/2009
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2009	Source: EPA
Date Data Arrived at EDR: 04/02/2009	Telephone: 800-424-9346
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 06/01/2009
Number of Days to Update: 39	Next Scheduled EDR Contact: 08/31/2009
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 04/23/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 04/23/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 04/23/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 04/23/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/31/2009
Date Data Arrived at EDR: 04/22/2009
Date Made Active in Reports: 05/05/2009
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/31/2009
Date Data Arrived at EDR: 04/22/2009
Date Made Active in Reports: 05/05/2009
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 01/30/2009
Date Made Active in Reports: 05/19/2009
Number of Days to Update: 109

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 05/12/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Annually

State- and tribal - equivalent NPL

SHWS: State Superfund Registry

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 10/10/2008
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 02/25/2009
Number of Days to Update: 34

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5680
Last EDR Contact: 06/01/2009
Next Scheduled EDR Contact: 07/06/2009
Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Permitted Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/12/2009
Date Data Arrived at EDR: 05/26/2009
Date Made Active in Reports: 06/12/2009
Number of Days to Update: 17

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6706
Last EDR Contact: 05/18/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Quarterly

CLI: Closed Landfill Inventory

Closed and abandoned landfills (permitted as well as unauthorized) across the state of Texas.

Date of Government Version: 08/30/1999
Date Data Arrived at EDR: 09/28/2000
Date Made Active in Reports: 10/30/2000
Number of Days to Update: 32

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6016
Last EDR Contact: 04/27/2009
Next Scheduled EDR Contact: 07/27/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WASTEMGT: Commercial Hazardous & Solid Waste Management Facilities

This list contains commercial recycling facilities and facilities permitted or authorized (interim status) by the Texas Natural Resource Conservation Commission.

Date of Government Version: 12/01/2006	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 02/16/2007	Telephone: 512-239-2920
Date Made Active in Reports: 03/29/2007	Last EDR Contact: 01/30/2009
Number of Days to Update: 41	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: Varies

State and tribal leaking storage tank lists

LPST: Leaking Petroleum Storage Tank Database

An inventory of reported leaking petroleum storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/01/2009	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 04/23/2009	Telephone: 512-239-2200
Date Made Active in Reports: 05/06/2009	Last EDR Contact: 04/20/2009
Number of Days to Update: 31	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009	Source: EPA Region 1
Date Data Arrived at EDR: 02/19/2009	Telephone: 617-918-1313
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 05/17/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/24/2009	Source: EPA Region 4
Date Data Arrived at EDR: 03/03/2009	Telephone: 404-562-8677
Date Made Active in Reports: 05/05/2009	Last EDR Contact: 05/17/2009
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/20/2009	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2009	Telephone: 214-665-6597
Date Made Active in Reports: 05/29/2009	Last EDR Contact: 05/17/2009
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/24/2009	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2009	Telephone: 913-551-7003
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 05/20/2009
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/01/2009
Date Data Arrived at EDR: 06/03/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 14

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/17/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 12/15/2008
Date Data Arrived at EDR: 12/16/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/17/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 06/04/2009
Date Data Arrived at EDR: 06/05/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 12

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/17/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Petroleum Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 05/01/2009
Date Data Arrived at EDR: 05/08/2009
Date Made Active in Reports: 06/09/2009
Number of Days to Update: 32

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2160
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Quarterly

AST: Petroleum Storage Tank Database

Registered Aboveground Storage Tanks.

Date of Government Version: 05/01/2009
Date Data Arrived at EDR: 05/08/2009
Date Made Active in Reports: 06/09/2009
Number of Days to Update: 32

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2160
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 12/30/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 76

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/22/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/20/2009
Date Data Arrived at EDR: 05/20/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 9

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/17/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 09/08/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 27

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/17/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations).

Date of Government Version: 02/24/2009
Date Data Arrived at EDR: 03/03/2009
Date Made Active in Reports: 05/05/2009
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/17/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/17/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 06/01/2009
Date Data Arrived at EDR: 06/03/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 14

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/17/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 06/04/2009
Date Data Arrived at EDR: 06/05/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 12

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/17/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/15/2008
Date Data Arrived at EDR: 12/16/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 90

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/17/2009
Next Scheduled EDR Contact: 08/17/2009
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

AUL: Sites with Controls

Activity and use limitations include both engineering controls and institutional controls.

Date of Government Version: 04/29/2009
Date Data Arrived at EDR: 05/01/2009
Date Made Active in Reports: 05/06/2009
Number of Days to Update: 5

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5891
Last EDR Contact: 04/28/2009
Next Scheduled EDR Contact: 07/27/2009
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP RRC: Voluntary Cleanup Program Sites

The 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.

Date of Government Version: 01/23/2009
Date Data Arrived at EDR: 01/29/2009
Date Made Active in Reports: 02/25/2009
Number of Days to Update: 27

Source: Railroad Commission of Texas
Telephone: 512-463-6969
Last EDR Contact: 01/27/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP TCEQ: Voluntary Cleanup Program Database

The Texas Voluntary Cleanup Program was established to provide administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas.

Date of Government Version: 04/21/2009
Date Data Arrived at EDR: 04/30/2009
Date Made Active in Reports: 05/06/2009
Number of Days to Update: 6

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5891
Last EDR Contact: 04/30/2009
Next Scheduled EDR Contact: 07/27/2009
Data Release Frequency: Quarterly

State and tribal Brownfields sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS: Brownfields Site Assessments

Brownfield site assessments that are being cleaned under EPA grant monies.

Date of Government Version: 11/17/2008
Date Data Arrived at EDR: 01/29/2009
Date Made Active in Reports: 02/25/2009
Number of Days to Update: 27

Source: TCEQ
Telephone: 512-239-5872
Last EDR Contact: 04/28/2009
Next Scheduled EDR Contact: 07/27/2009
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/01/2008
Date Data Arrived at EDR: 11/14/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 05/20/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 03/25/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 28

Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 06/21/2009
Next Scheduled EDR Contact: 09/21/2009
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/01/2008	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 10/31/2008	Telephone: 202-307-1000
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 03/26/2009
Number of Days to Update: 53	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: Quarterly

DEL SHWS: Deleted Superfund Registry Sites

Sites have been deleted from the state Superfund registry in accordance with the Act, §361.189

Date of Government Version: 10/10/2008	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 01/22/2009	Telephone: 512-239-0666
Date Made Active in Reports: 02/25/2009	Last EDR Contact: 06/01/2009
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/06/2009
	Data Release Frequency: Quarterly

PRIORITY CLEANERS: Dry Cleaner Remediation Program Prioritization List

A listing of dry cleaner related contaminated sites.

Date of Government Version: 02/10/2009	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 03/31/2009	Telephone: 512-239-5658
Date Made Active in Reports: 05/06/2009	Last EDR Contact: 03/31/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: 06/29/2009
	Data Release Frequency: Varies

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/29/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/03/2009	Telephone: 202-564-6023
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 05/18/2009
Number of Days to Update: 14	Next Scheduled EDR Contact: 08/17/2009
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 06/08/2009
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/07/2009
	Data Release Frequency: Varies

LIENS: Environmental Liens Listing

The listing covers TCEQ liens placed against either State Superfund sites or Federal Superfund sites to recover cost incurred by TCEQ.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/18/2009
Date Data Arrived at EDR: 03/18/2009
Date Made Active in Reports: 05/06/2009
Number of Days to Update: 49

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2209
Last EDR Contact: 06/15/2009
Next Scheduled EDR Contact: 09/14/2009
Data Release Frequency: Varies

HIST LIENS: Environmental Liens Listing

This listing contains information fields that are no longer tracked in the LIENS database.

Date of Government Version: 03/23/2007
Date Data Arrived at EDR: 03/23/2007
Date Made Active in Reports: 05/02/2007
Number of Days to Update: 40

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2209
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/31/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 43

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/16/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: Annually

SPILLS: Spills Database

Spills reported to the Emergency Response Division.

Date of Government Version: 03/26/2009
Date Data Arrived at EDR: 03/27/2009
Date Made Active in Reports: 05/06/2009
Number of Days to Update: 40

Source: Texas Commission on Environmental Quality
Telephone: 512-239-0983
Last EDR Contact: 06/15/2009
Next Scheduled EDR Contact: 09/14/2009
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 04/23/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008
Date Data Arrived at EDR: 05/28/2008
Date Made Active in Reports: 08/08/2008
Number of Days to Update: 72

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/27/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 05/08/2009
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/03/2009
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2007	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/05/2008	Telephone: 202-528-4285
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 03/30/2009
Number of Days to Update: 18	Next Scheduled EDR Contact: 06/29/2009
	Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 01/27/2009	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 04/23/2009	Telephone: Varies
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 04/21/2009
Number of Days to Update: 18	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/23/2009	Source: EPA
Date Data Arrived at EDR: 04/28/2009	Telephone: 703-416-0223
Date Made Active in Reports: 05/19/2009	Last EDR Contact: 03/30/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 06/29/2009
	Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 01/05/2009	Source: Department of Energy
Date Data Arrived at EDR: 05/07/2009	Telephone: 505-845-0011
Date Made Active in Reports: 05/08/2009	Last EDR Contact: 06/15/2009
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/14/2009
	Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/19/2009	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/24/2009	Telephone: 303-231-5959
Date Made Active in Reports: 05/05/2009	Last EDR Contact: 06/23/2009
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/21/2009
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2007	Source: EPA
Date Data Arrived at EDR: 04/09/2009	Telephone: 202-566-0250
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 06/16/2009
Number of Days to Update: 69	Next Scheduled EDR Contact: 09/14/2009
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/14/2009
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/13/2009
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 06/15/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/14/2009
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 06/15/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/14/2009
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 05/18/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 03/20/2009
Date Data Arrived at EDR: 03/20/2009
Date Made Active in Reports: 05/05/2009
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 02/26/2009
Date Data Arrived at EDR: 05/20/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 9

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 05/04/2009
Next Scheduled EDR Contact: 08/03/2009
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/02/2009
Date Data Arrived at EDR: 04/24/2009
Date Made Active in Reports: 05/19/2009
Number of Days to Update: 25

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/28/2009
Date Data Arrived at EDR: 04/29/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/29/2009
Next Scheduled EDR Contact: 07/27/2009
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/28/2009	Source: EPA
Date Data Arrived at EDR: 05/01/2009	Telephone: (214) 665-2200
Date Made Active in Reports: 05/19/2009	Last EDR Contact: 03/30/2009
Number of Days to Update: 18	Next Scheduled EDR Contact: 06/29/2009
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007	Source: EPA/NTIS
Date Data Arrived at EDR: 02/19/2009	Telephone: 800-424-9346
Date Made Active in Reports: 05/22/2009	Last EDR Contact: 06/08/2009
Number of Days to Update: 92	Next Scheduled EDR Contact: 09/07/2009
	Data Release Frequency: Biennially

IOP: Innocent Owner/Operator Program

Contains information on all sites that are in the IOP. An IOP is an innocent owner or operator whose 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.

Date of Government Version: 04/21/2009	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 04/30/2009	Telephone: 512-239-5894
Date Made Active in Reports: 05/06/2009	Last EDR Contact: 04/30/2009
Number of Days to Update: 6	Next Scheduled EDR Contact: 07/27/2009
	Data Release Frequency: Quarterly

DRYCLEANERS: Drycleaner Registration Database Listing

A listing of drycleaning facilities.

Date of Government Version: 04/16/2009	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 04/17/2009	Telephone: 512-239-2160
Date Made Active in Reports: 05/06/2009	Last EDR Contact: 03/30/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 06/29/2009
	Data Release Frequency: Varies

ENFORCEMENT: Notice of Violations Listing

A listing of permit violations.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/13/2009
Date Data Arrived at EDR: 03/13/2009
Date Made Active in Reports: 05/06/2009
Number of Days to Update: 54

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6012
Last EDR Contact: 06/01/2009
Next Scheduled EDR Contact: 08/31/2009
Data Release Frequency: Semi-Annually

Ind. Haz Waste: Industrial & Hazardous Waste Database

Summary reports reported by waste handlers, generators and shippers in Texas.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 11/21/2008
Date Made Active in Reports: 02/25/2009
Number of Days to Update: 96

Source: Texas Commission on Environmental Quality
Telephone: 512-239-0985
Last EDR Contact: 04/27/2009
Next Scheduled EDR Contact: 07/27/2009
Data Release Frequency: Annually

ED AQUIF: Edwards Aquifer Permits

A listing of permits in the Edwards Aquifer Protection Program database. The information provided is for the counties located in the Austin Region (Hays, Travis, and Williamson counties).

Date of Government Version: 05/19/2009
Date Data Arrived at EDR: 05/20/2009
Date Made Active in Reports: 06/12/2009
Number of Days to Update: 23

Source: Texas Commission on Environmental Quality, Austin Region
Telephone: 512-339-2929
Last EDR Contact: 05/19/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

AIRS: Current Emission Inventory Data

The database lists by company, along with their actual emissions, the TNRCC air accounts that emit EPA criteria pollutants.

Date of Government Version: 07/23/2008
Date Data Arrived at EDR: 10/31/2008
Date Made Active in Reports: 12/11/2008
Number of Days to Update: 41

Source: Texas Commission on Environmental Quality
Telephone: N/A
Last EDR Contact: 04/10/2009
Next Scheduled EDR Contact: 07/09/2009
Data Release Frequency: Semi-Annually

MSD: Municipal Settings Designations Database

An MSD is an official state designation given to property within a municipality or its extraterritorial jurisdiction that certifies that designated groundwater at the property is not used as potable water, and is prohibited from future use as potable water because that groundwater is contaminated in excess of the applicable potable-water protective concentration level.

Date of Government Version: 04/13/2009
Date Data Arrived at EDR: 04/17/2009
Date Made Active in Reports: 05/06/2009
Number of Days to Update: 19

Source: Texas Commission on Environmental Quality
Telephone: 512-239-4982
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: Varies

TIER 2: Tier 2 Chemical Inventory Reports

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 09/04/2008
Date Made Active in Reports: 09/23/2008
Number of Days to Update: 19

Source: Department of State Health Services
Telephone: 512-834-6603
Last EDR Contact: 06/15/2009
Next Scheduled EDR Contact: 09/14/2009
Data Release Frequency: Annually

RWS: Radioactive Waste Sites

Sites in the State of Texas that have been designated as Radioactive Waste sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/24/2006
Date Data Arrived at EDR: 12/14/2006
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 40

Source: Texas Commission on Environmental Quality
Telephone: 512-239-0859
Last EDR Contact: 06/12/2009
Next Scheduled EDR Contact: 09/07/2009
Data Release Frequency: Semi-Annually

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 05/08/2009
Next Scheduled EDR Contact: 08/03/2009
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 04/13/2009
Date Data Arrived at EDR: 04/14/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 06/22/2009
Next Scheduled EDR Contact: 08/10/2009
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 05/08/2009
Next Scheduled EDR Contact: 08/03/2009
Data Release Frequency: N/A

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/11/2008	Telephone: 860-424-3375
Date Made Active in Reports: 03/19/2009	Last EDR Contact: 06/12/2009
Number of Days to Update: 98	Next Scheduled EDR Contact: 09/07/2009
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/05/2009	Telephone: N/A
Date Made Active in Reports: 05/22/2009	Last EDR Contact: 05/05/2009
Number of Days to Update: 17	Next Scheduled EDR Contact: 08/03/2009
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/27/2009	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/25/2009	Telephone: 518-402-8651
Date Made Active in Reports: 03/12/2009	Last EDR Contact: 05/27/2009
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/24/2009
	Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007	Source: Department of Environmental Protection
Date Data Arrived at EDR: 09/11/2008	Telephone: N/A
Date Made Active in Reports: 10/02/2008	Last EDR Contact: 06/08/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 09/07/2009
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2008	Source: Department of Environmental Management
Date Data Arrived at EDR: 02/12/2009	Telephone: 401-222-2797
Date Made Active in Reports: 03/11/2009	Last EDR Contact: 06/15/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/14/2009
	Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 03/31/2009	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/09/2009	Telephone: 802-241-3443
Date Made Active in Reports: 05/20/2009	Last EDR Contact: 05/11/2009
Number of Days to Update: 41	Next Scheduled EDR Contact: 08/10/2009
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007

Date Data Arrived at EDR: 08/22/2008

Date Made Active in Reports: 09/08/2008

Number of Days to Update: 17

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 04/07/2009

Next Scheduled EDR Contact: 07/06/2009

Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List

Source: Department of Protective & Regulatory Services

Telephone: 512-438-3269

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

KERRVILLE VAMC
3610 MEMORIAL BLVD.
KERRVILLE, TX 78028

TARGET PROPERTY COORDINATES

Latitude (North): 30.01320 - 30° 0' 47.5"
Longitude (West): 99.1161 - 99° 6' 57.9"
Universal Tranverse Mercator: Zone 14
UTM X (Meters): 488803.7
UTM Y (Meters): 3320073.5
Elevation: 1587 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 30099-A1 LEGION, TX
Most Recent Revision: 1982

South Map: 29099-H1 CENTER POINT, TX
Most Recent Revision: 1982

Southwest Map: 29099-H2 FALL CREEK, TX
Most Recent Revision: 1982

West Map: 30099-A2 KERRVILLE, TX
Most Recent Revision: 1982

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

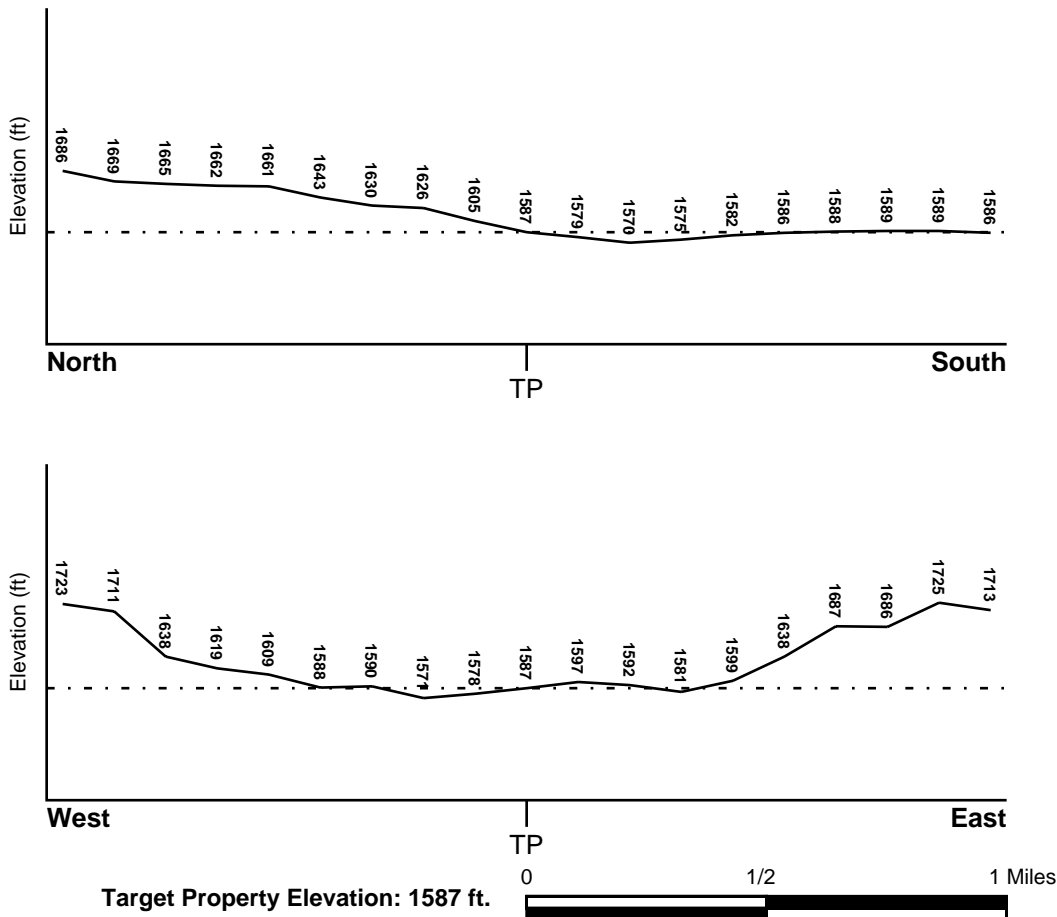
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> KERR, TX	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	4804200005D
Additional Panels in search area:	4804190260E 4804200010D

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> LEGION	NWI Electronic <u>Data Coverage</u> Not Available
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HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

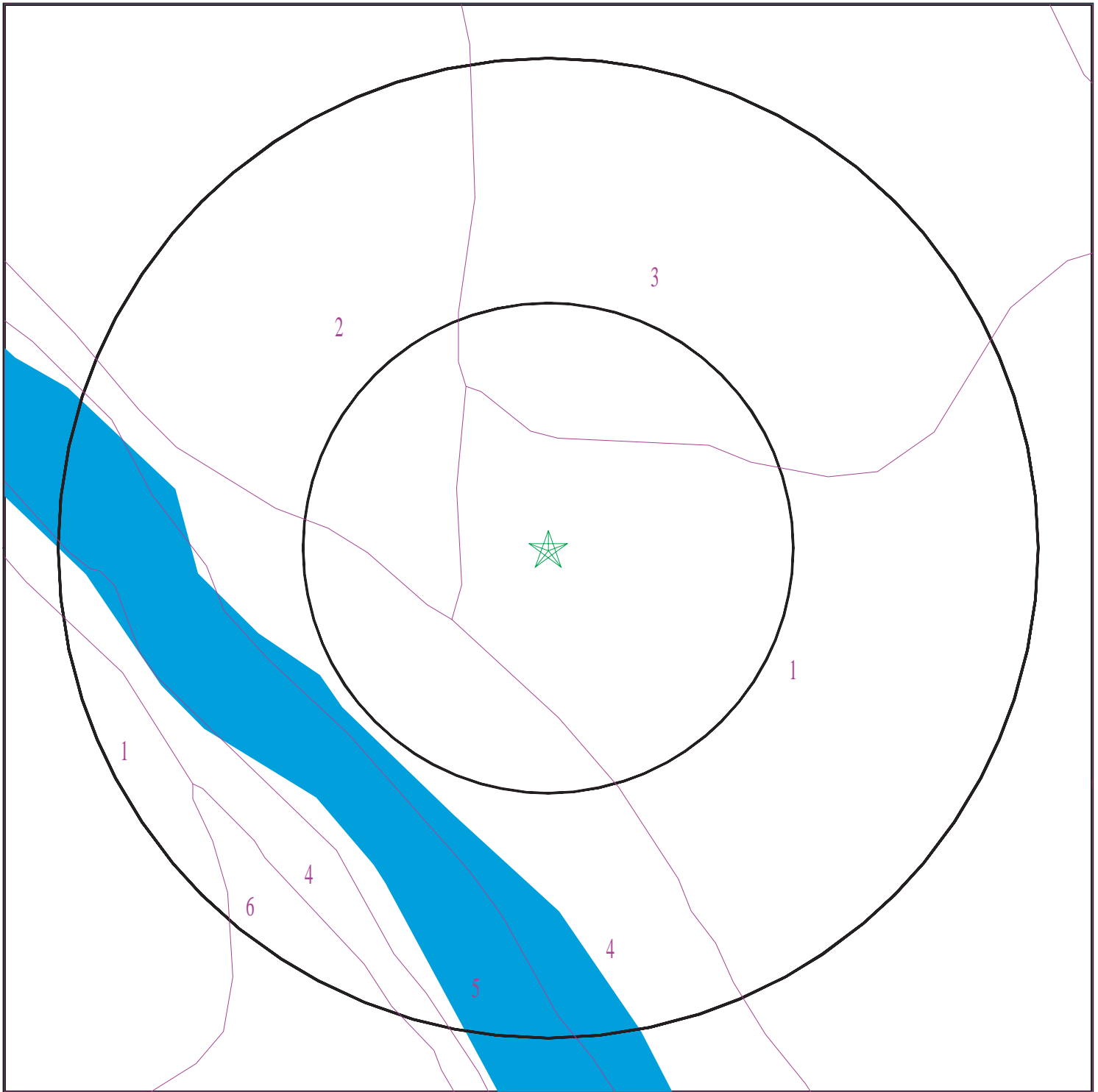
Era:	Mesozoic
System:	Cretaceous
Series:	Trinity Group
Code:	IK1 (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

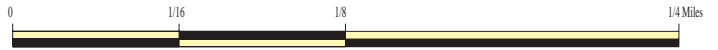
Category: Stratified Sequence

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

SSURGO SOIL MAP - 2528715.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Kerrville VAMC
ADDRESS: 3610 Memorial Blvd.
Kerrville TX 78028
LAT/LONG: 30.0132 / 99.1161

CLIENT: Amdyne
CONTACT: Derek Arnold
INQUIRY #: 2528715.2s
DATE: June 26, 2009 4:43 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Nuvalde

Soil Surface Texture: silty clay

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	silty clay	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	11 inches	40 inches	silty clay	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	40 inches	62 inches	silty clay	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture: variable

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

Soil Drainage Class:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	40 inches	variable	Not reported	Not reported	Max: 141 Min: 0.42	Max: Min:

Soil Map ID: 3

Soil Component Name: Tarpley

Soil Surface Texture: stony clay loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 43 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	stony clay loam	Not reported	Not reported	Max: 14 Min: 1.4	Max: Min:
2	7 inches	18 inches	clay	Not reported	Not reported	Max: 14 Min: 1.4	Max: Min:
3	18 inches	18 inches	bedrock	Not reported	Not reported	Max: 14 Min: 1.4	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 4

Soil Component Name: Orif

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	gravelly sandy loam	Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.9
2	20 inches	59 inches	stratified very gravelly coarse sand to extremely gravelly loamy sand	Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.9

Soil Map ID: 5

Soil Component Name: Water

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 6

Soil Component Name: Oakalla

Soil Surface Texture: silty clay loam

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

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	22 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	22 inches	29 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	29 inches	59 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

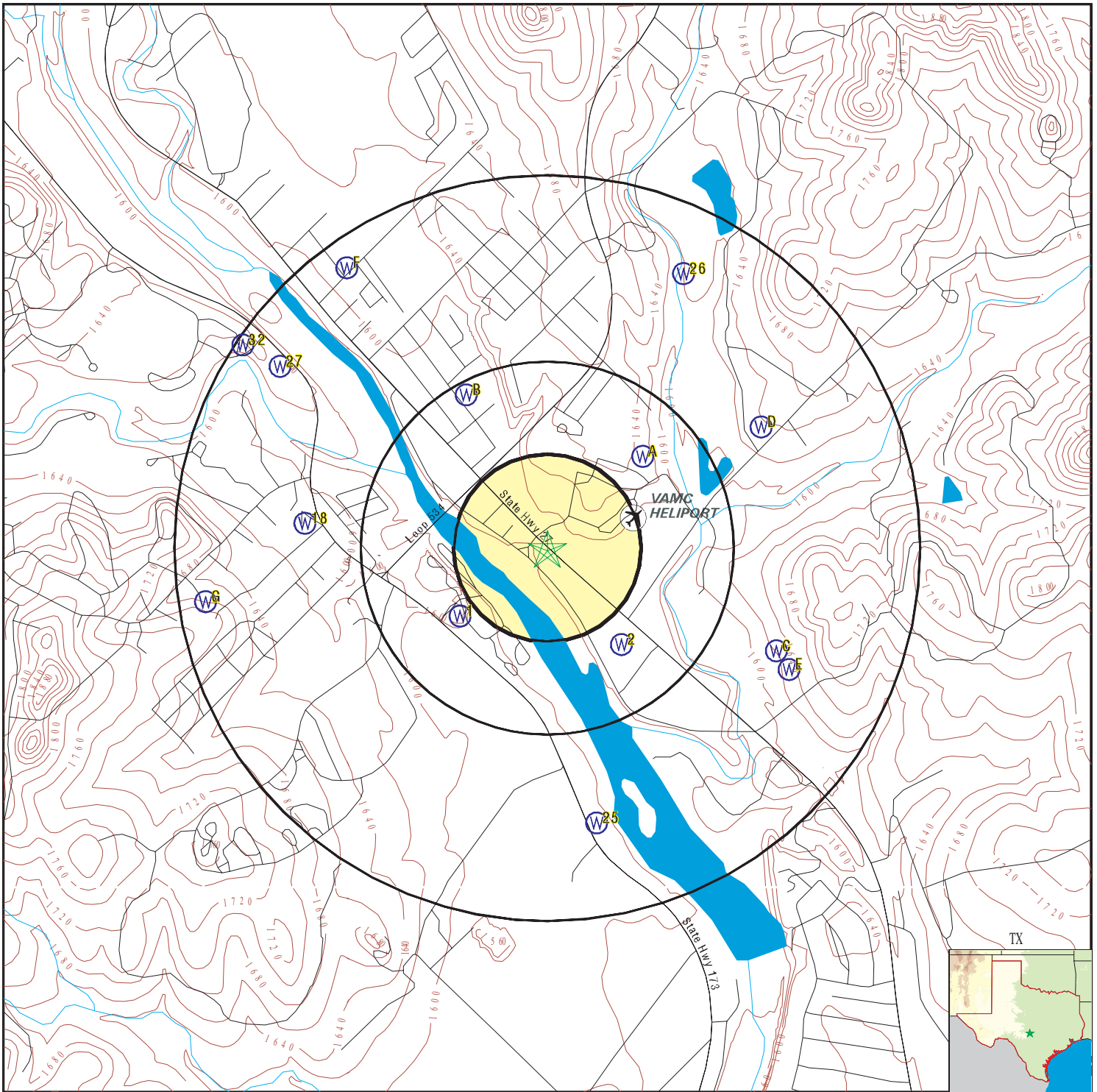
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

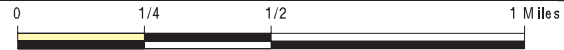
MAP ID	WELL ID	LOCATION FROM TP
1	TXWDB3000033353	1/4 - 1/2 Mile SW
2	TXWDB3000033322	1/4 - 1/2 Mile SE
A3	TXEQ20000007691	1/4 - 1/2 Mile NE
A4	TXWDB3000033524	1/4 - 1/2 Mile NE
B5	TXMON1000048249	1/4 - 1/2 Mile NNW
B6	TXMON1000048248	1/4 - 1/2 Mile NNW
B7	TXMON1000048250	1/4 - 1/2 Mile NNW
B8	TXMON1000048252	1/4 - 1/2 Mile NNW
B9	TXMON1000048251	1/4 - 1/2 Mile NNW
B10	TXMON1000048247	1/4 - 1/2 Mile NNW
B11	TXD1011344	1/4 - 1/2 Mile NNW
B12	TXD1011343	1/4 - 1/2 Mile NNW
B13	TXD1011342	1/4 - 1/2 Mile NNW
B14	TXD1011347	1/4 - 1/2 Mile NNW
B15	TXD1011346	1/4 - 1/2 Mile NNW
B16	TXD1011345	1/4 - 1/2 Mile NNW
C17	TXWDB3000033328	1/2 - 1 Mile ESE
18	TXWDB3000033448	1/2 - 1 Mile West
D19	TXWDB3000033550	1/2 - 1 Mile ENE
D20	TXPLU1000019274	1/2 - 1 Mile ENE
C21	TXEQ20000007617	1/2 - 1 Mile ESE
C22	TXEQ20000007613	1/2 - 1 Mile ESE
E23	TXWDB3000033305	1/2 - 1 Mile ESE
E24	TXWDB3000033298	1/2 - 1 Mile ESE
25	TXWDB3000033161	1/2 - 1 Mile South
26	TXMON1000048450	1/2 - 1 Mile NNE
27	TXWDB3000033616	1/2 - 1 Mile NW
F28	TXEQ20000007778	1/2 - 1 Mile NW
F29	TXWDB3000033730	1/2 - 1 Mile NW
G30	TXMON1000047916	1/2 - 1 Mile West
G31	TXD1011282	1/2 - 1 Mile West
32	TXWDB3000033645	1/2 - 1 Mile WNW

PHYSICAL SETTING SOURCE MAP - 2528715.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

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



SITE NAME: Kerrville VAMC
 ADDRESS: 3610 Memorial Blvd.
 Kerrville TX 78028
 LAT/LONG: 30.0132 / 99.1161

CLIENT: Amydne
 CONTACT: Derek Arnold
 INQUIRY #: 2528715.2s
 DATE: June 26, 2009 4:42 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

		Database	EDR ID Number
1			
SW		TX WELLS	TXWDB3000033353
1/4 - 1/2 Mile			
Higher			
State well:	5664705	County cod:	265
Basin:	18	Gma:	9
Rwpa:	J	Districtid:	199109JX
Previous w:	Not Reported	Latitude:	300038
Lat dec:	30.010555		
Longitude:	990712		
Long dec:	-99.119999		
Owner 1:	Kerrville State Park	Owner 2:	Not Reported
Driller 1:	- -	Driller 2:	Not Reported
Source of :	1	Aquifer co:	218HNSL
Aquifer id:	28	Aquifer 1:	0
Aquifer 2:	0	Elev of ls:	1585
Meth of me:	M	User code :	854240
Date drill:	1933	Well type:	W
Well depth:	336	Source of1:	A
Type of li:	S	Type of po:	E
Horsepower:	5.00	Primary wa:	P
Second wat:	Not Reported	Tertia wat:	Not Reported
Water leve:	M	Water qual:	Y
Well logs :	Not Reported	Other data:	C
Date coll :	01291999	Reporting :	01
Well sched:	Y	Construct :	C
Completion:	P	Casing mat:	S
Screen mat:	Not Reported	Todays dat:	01/29/1999 00:00:00
User name:	Not Reported	Site id:	TXWDB3000033353
State well number:	5664705	Group number:	1
C s o indicator:	C	Diameter csg scn:	7
Top depth:	Not Reported	Bottom depth:	Not Reported
State well number:	5664705	Group number:	2
C s o indicator:	S	Diameter csg scn:	7
Top depth:	Not Reported	Bottom depth:	336
State well number:	5664705	Mm date:	2
Dd date:	24	Yy date:	1978
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	2900.
Plus minus:	Not Reported		
State well number:	5664705	Mm date:	3
Dd date:	29	Yy date:	1968
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	1220.
Plus minus:	Not Reported		
State well number:	5664705	Mm date:	3
Dd date:	29	Yy date:	1968
Sample number:	1	Storet code:	01055
Flag:	<	Const val:	50.
Plus minus:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664705	Mm date:	4
Dd date:	5	Yy date:	1967
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	600.
Plus minus:	Not Reported		

State well number:	5664705	Mm date:	4
Dd date:	5	Yy date:	1967
Sample number:	1	Storet code:	01055
Flag:	<	Const val:	50.
Plus minus:	Not Reported		

State well number:	5664705	Mm date:	5
Dd date:	16	Yy date:	1968
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	3150.
Plus minus:	Not Reported		

State well number:	5664705	Mm date:	5
Dd date:	16	Yy date:	1968
Sample number:	1	Storet code:	01055
Flag:	<	Const val:	50.
Plus minus:	Not Reported		

State well number:	5664705	Mm date:	8
Dd date:	8	Yy date:	1966
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	1800.
Plus minus:	Not Reported		

State well number:	5664705	Mm date:	8
Dd date:	8	Yy date:	1966
Sample number:	1	Storet code:	01046
Flag:	Not Reported	Const val:	10.
Plus minus:	Not Reported		

State well number:	5664705	Mm date:	10
Dd date:	6	Yy date:	1975
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	1380.
Plus minus:	Not Reported		

State well number:	5664705	Mm date:	10
Dd date:	6	Yy date:	1975
Sample number:	1	Storet code:	01055
Flag:	<	Const val:	50.
Plus minus:	Not Reported		

State well number:	5664705	Mm date:	10
Dd date:	7	Yy date:	1974
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	40.
Plus minus:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664705	Mm date:	10
Dd date:	7	Yy date:	1974
Sample number:	1	Storet code:	01055
Flag:	<	Const val:	50.
Plus minus:	Not Reported		
State well number:	5664705	Mm date:	10
Dd date:	15	Yy date:	1970
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	2800.
Plus minus:	Not Reported		
State well number:	5664705	Mm date:	10
Dd date:	15	Yy date:	1970
Sample number:	1	Storet code:	01055
Flag:	<	Const val:	50.
Plus minus:	Not Reported		
State well number:	5664705	Mm date:	10
Dd date:	31	Yy date:	1969
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	40.
Plus minus:	Not Reported		
State well number:	5664705	Mm date:	10
Dd date:	31	Yy date:	1969
Sample number:	1	Storet code:	01055
Flag:	<	Const val:	50.
Plus minus:	Not Reported		
State well number:	5664705	Pn well visit mark:	P
Depth from lsd:	-106.9	Mm date:	3
Dd date:	15	Yy date:	1967
Measurement number:	01	Measuring agency:	04
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664705	Pn well visit mark:	P
Depth from lsd:	-126	Mm date:	7
Dd date:	7	Yy date:	1969
Measurement number:	01	Measuring agency:	Not Reported
Method of meas:	Not Reported	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664705	Pn well visit mark:	P
Depth from lsd:	-62.7	Mm date:	7
Dd date:	28	Yy date:	1950
Measurement number:	01	Measuring agency:	Not Reported
Method of meas:	Not Reported	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664705	Mm date:	2
Dd date:	24	Yy date:	1978
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	115	Q00920 flag:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Q00920 magnes mgl:	66	Q00929 flag:	Not Reported
Q00929 sodium mgl:	18	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	358.78	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	271	Q00940 flag:	Not Reported
Q00940 chloride mgl:	15	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.4	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.5	Q70300 tds:	663
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	294
Q00900 tot hardnes:	558	Q00932 percent na:	6
Q00931 sar:	.43	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	1248
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664705	Mm date:	3
Dd date:	29	Yydate:	1968
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	109	Q00920 flag:	Not Reported
Q00920 magnes mgl:	49	Q00929 flag:	Not Reported
Q00929 sodium mgl:	15	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	363.66	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	184	Q00940 flag:	Not Reported
Q00940 chloride mgl:	15	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.7	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.3	Q70300 tds:	552
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	298
Q00900 tot hardnes:	473	Q00932 percent na:	6
Q00931 sar:	.3	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	1056
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664705	Mm date:	4
Dd date:	5	Yydate:	1967
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	118	Q00920 flag:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Q00920 magnes mgl:	62	Q00929 flag:	Not Reported
Q00929 sodium mgl:	16	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	355.12	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	265	Q00940 flag:	Not Reported
Q00940 chloride mgl:	16	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.6	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.4	Q70300 tds:	653
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	291
Q00900 tot hardnes:	549	Q00932 percent na:	5
Q00931 sar:	.3	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	1265
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664705	Mm date:	5
Dd date:	11	Yydate:	1979
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	22	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	03
Collecting agency:	01	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	13	Q00910 flag:	Not Reported
Q00910 calcium mgl:	79	Q00920 flag:	Not Reported
Q00920 magnes mgl:	44	Q00929 flag:	Not Reported
Q00929 sodium mgl:	15	Q00937 flag:	Not Reported
Q00937 potass mgl:	6	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	363.66	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	110	Q00940 flag:	Not Reported
Q00940 chloride mgl:	13	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.3	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.7	Q70300 tds:	460
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	298
Q00900 tot hardnes:	378	Q00932 percent na:	7
Q00931 sar:	.34	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	870
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664705	Mm date:	5
Dd date:	16	Yydate:	1968
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	120	Q00920 flag:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Q00920 magnes mgl:	45	Q00929 flag:	Not Reported
Q00929 sodium mgl:	17	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	367.32	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	199	Q00940 flag:	Not Reported
Q00940 chloride mgl:	17	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.5	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.7	Q70300 tds:	580
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	301
Q00900 tot hardnes:	484	Q00932 percent na:	7
Q00931 sar:	.34	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	1106
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664705	Mm date:	8
Dd date:	8	Yydate:	1966
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	21	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	03
Collecting agency:	03	Lab code:	02
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	12	Q00910 flag:	Not Reported
Q00910 calcium mgl:	114	Q00920 flag:	Not Reported
Q00920 magnes mgl:	62	Q00929 flag:	Not Reported
Q00929 sodium mgl:	16	Q00937 flag:	Not Reported
Q00937 potass mgl:	7.5	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	358.1	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	258	Q00940 flag:	Not Reported
Q00940 chloride mgl:	12	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.5	Q71850 flag:	Not Reported
Q71850 nitrate mgl:	0	Q00403 flag:	Not Reported
Q00403 ph:	7.5	Q70300 tds:	659
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	293.44
Q00900 tot hardnes:	539	Q00932 percent na:	6
Q00931 sar:	.3	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	1010
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664705	Mm date:	9
Dd date:	12	Yydate:	1975
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	03
Collecting agency:	01	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	18	Q00910 flag:	Not Reported
Q00910 calcium mgl:	92	Q00920 flag:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Q00920 magnes mgl:	61	Q00929 flag:	Not Reported
Q00929 sodium mgl:	17	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	280.68	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	256	Q00940 flag:	Not Reported
Q00940 chloride mgl:	14	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.4	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	8.1	Q70300 tds:	597
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	230
Q00900 tot hardnes:	480	Q00932 percent na:	7
Q00931 sar:	.34	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	1120
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664705	Mm date:	9
Dd date:	27	Yydate:	1972
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	41	Q00920 flag:	Not Reported
Q00920 magnes mgl:	25	Q00929 flag:	Not Reported
Q00929 sodium mgl:	155	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	367.32	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	212	Q00940 flag:	Not Reported
Q00940 chloride mgl:	21	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.6	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.6	Q70300 tds:	636
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	301
Q00900 tot hardnes:	205	Q00932 percent na:	62
Q00931 sar:	4.71	Q71860 rsc:	1.92
Q00095 flag:	Not Reported	Q00095 spec cond:	1134
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664705	Mm date:	10
Dd date:	6	Yydate:	1975
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	90	Q00920 flag:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Q00920 magnes mgl:	49	Q00929 flag:	Not Reported
Q00929 sodium mgl:	17	Q00937 flag:	Not Reported
Q00937 potass mgl:	7	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	363.66	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	137	Q00940 flag:	Not Reported
Q00940 chloride mgl:	15	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.4	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.7	Q70300 tds:	495
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	298
Q00900 tot hardnes:	426	Q00932 percent na:	7
Q00931 sar:	.36	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	960
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664705	Mm date:	10
Dd date:	7	Yydate:	1974
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	85	Q00920 flag:	Not Reported
Q00920 magnes mgl:	49	Q00929 flag:	Not Reported
Q00929 sodium mgl:	19	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	364.88	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	125	Q00940 flag:	Not Reported
Q00940 chloride mgl:	20	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.5	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.6	Q70300 tds:	479
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	299
Q00900 tot hardnes:	413	Q00932 percent na:	9
Q00931 sar:	.41	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	938
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664705	Mm date:	10
Dd date:	15	Yydate:	1970
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	8	Q00920 flag:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Q00920 magnes mgl:	8	Q00929 flag:	Not Reported
Q00929 sodium mgl:	198	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	386.85	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	133	Q00940 flag:	Not Reported
Q00940 chloride mgl:	17	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.4	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.8	Q70300 tds:	556
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	317
Q00900 tot hardnes:	52	Q00932 percent na:	89
Q00931 sar:	11.84	Q71860 rsc:	5.28
Q00095 flag:	Not Reported	Q00095 spec cond:	Not Reported
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664705	Mm date:	10
Dd date:	15	Yydate:	1973
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	62	Q00920 flag:	Not Reported
Q00920 magnes mgl:	33	Q00929 flag:	Not Reported
Q00929 sodium mgl:	189	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	364.88	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	364	Q00940 flag:	Not Reported
Q00940 chloride mgl:	20	Q00951 flag:	Not Reported
Q00951 fluoride mg:	.2	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.6	Q70300 tds:	848
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	299
Q00900 tot hardnes:	290	Q00932 percent na:	58
Q00931 sar:	4.82	Q71860 rsc:	.17
Q00095 flag:	Not Reported	Q00095 spec cond:	1539
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664705	Mm date:	10
Dd date:	31	Yydate:	1969
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	2	Q00920 flag:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Q00920 magnes mgl:	1	Q00929 flag:	Not Reported
Q00929 sodium mgl:	282	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	355.12	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	314	Q00940 flag:	Not Reported
Q00940 chloride mg:	12	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.7	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.4	Q70300 tds:	787
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	291
Q00900 tot hardnes:	9	Q00932 percent na:	98
Q00931 sar:	40.65	Q71860 rsc:	5.64
Q00095 flag:	Not Reported	Q00095 spec cond:	1400
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664705	Group number:	1
Remarks 1:	Measured yield 228 GPM with 127		
Remarks 2:	feet drawdown after pumping 4 hours		

State well number:	5664705	Group number:	2
Remarks 1:	in 1950. Specific capacity 1.80		
Remarks 2:	GPM/ft. Pump set at 252 feet.		

2
SE
1/4 - 1/2 Mile
Lower

TX WELLS TXWDB3000033322

State well:	5664711	County cod:	265
Basin:	18	Gma:	9
Rwpa:	J	Districtid:	199109JX
Previous w:	Not Reported	Latitude:	300034
Lat dec:	30.009444		
Longitude:	990646		
Long dec:	-99.112777		
Owner 1:	Kerr County	Owner 2:	Ag Barn
Driller 1:	Not Reported	Driller 2:	Not Reported
Source of :	0	Aquifer co:	217HSCC
Aquifer id:	28	Aquifer 1:	0
Aquifer 2:	0	Elev of ls:	1576
Meth of me:	M	User code :	0
Date drill:	05252004	Well type:	W
Well depth:	260	Source of1:	R
Type of li:	S	Type of po:	E
Horsepower:	Not Reported	Primary wa:	P
Second wat:	Not Reported	Tertia wat:	Not Reported
Water leve:	D	Water qual:	N
Well logs :	Not Reported	Other data:	Not Reported
Date coll :	02192004	Reporting :	05
Well sched:	Y	Construct :	Not Reported
Completion:	Not Reported	Casing mat:	S
Screen mat:	Not Reported	Today's dat:	10/21/2004 00:00:00
User name:	drjones	Site id:	TXWDB3000033322

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-143	Mm date:	1
Dd date:	3	Yy date:	2003
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-145.8	Mm date:	1
Dd date:	8	Yy date:	2004
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-171	Mm date:	1
Dd date:	15	Yy date:	2001
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-169	Mm date:	1
Dd date:	17	Yy date:	2000
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-160.4	Mm date:	1
Dd date:	20	Yy date:	2006
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	11/09/2006 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-161.7	Mm date:	1
Dd date:	23	Yy date:	2002
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-123.7	Mm date:	1
Dd date:	24	Yy date:	2005
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	01/26/2005 15:12:32	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-136.9	Mm date:	1
Dd date:	30	Yy date:	2003
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-178.3	Mm date:	1
Dd date:	30	Yy date:	2007
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	03/26/2007 12:45:35	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-139.4	Mm date:	1
Dd date:	30	Yy date:	2008
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/21/2008 00:00:00	User name:	banderso
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-141	Mm date:	2
Dd date:	2	Yy date:	2004
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-116.5	Mm date:	2
Dd date:	22	Yy date:	2005
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/25/2005 08:11:31	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-131.8	Mm date:	2
Dd date:	26	Yy date:	2003
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-154	Mm date:	2
Dd date:	27	Yy date:	2002
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-175.7	Mm date:	2
Dd date:	27	Yy date:	2007
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	03/26/2007 13:28:24	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-139.9	Mm date:	2
Dd date:	27	Yy date:	2008
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	03/11/2008 13:51:31	User name:	banderso

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-155.2	Mm date:	2
Dd date:	28	Yy date:	2006
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	11/09/2006 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-136.6	Mm date:	3
Dd date:	2	Yy date:	2004
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	03/12/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-151.9	Mm date:	3
Dd date:	6	Yy date:	2001
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	09/07/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-153.4	Mm date:	3
Dd date:	7	Yy date:	2001
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-116.5	Mm date:	3
Dd date:	22	Yy date:	2005
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	04/01/2005 07:51:20	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-126.6	Mm date:	3
Dd date:	25	Yy date:	2003
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-152.3	Mm date:	3
Dd date:	27	Yy date:	2002
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-142.7	Mm date:	3
Dd date:	27	Yy date:	2008
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	04/24/2008 00:00:00	User name:	banderso

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-156.1	Mm date:	3
Dd date:	28	Yy date:	2006
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	11/09/2006 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-130.9	Mm date:	3
Dd date:	29	Yy date:	2004
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	05/12/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-172.7	Mm date:	3
Dd date:	29	Yy date:	2007
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	04/09/2007 07:41:48	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-145	Mm date:	4
Dd date:	3	Yy date:	2001
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-143.5	Mm date:	4
Dd date:	5	Yy date:	2001
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	09/07/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-159.7	Mm date:	4
Dd date:	20	Yy date:	2006
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	11/09/2006 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-114.4	Mm date:	4
Dd date:	21	Yy date:	2005
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	04/29/2005 15:50:09	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-131.3	Mm date:	4
Dd date:	24	Yy date:	2003
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-151.6	Mm date:	4
Dd date:	25	Yy date:	2002
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-147.9	Mm date:	4
Dd date:	28	Yy date:	2008
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	06/10/2008 00:00:00	User name:	banderso
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-129.8	Mm date:	4
Dd date:	30	Yy date:	2004
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	05/12/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-165.6	Mm date:	4
Dd date:	30	Yy date:	2007
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	05/04/2007 11:10:43	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-143	Mm date:	5
Dd date:	1	Yy date:	2001
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-159.1	Mm date:	5
Dd date:	17	Yy date:	2002
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-170	Mm date:	5
Dd date:	18	Yy date:	2000
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-153.9	Mm date:	5
Dd date:	19	Yy date:	2004
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	07/08/2004 00:00:00	User name:	drjones

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-114.4	Mm date:	5
Dd date:	21	Yy date:	2005
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	07/13/2005 17:24:55	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-168	Mm date:	5
Dd date:	24	Yy date:	2006
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	11/09/2006 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-159.9	Mm date:	5
Dd date:	24	Yy date:	2007
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	08/10/2007 00:00:00	User name:	banderso
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-147.4	Mm date:	5
Dd date:	27	Yy date:	2003
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-158.5	Mm date:	5
Dd date:	27	Yy date:	2008
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	06/10/2008 00:00:00	User name:	banderso
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-145.9	Mm date:	5
Dd date:	28	Yy date:	2003
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	09/07/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-145	Mm date:	6
Dd date:	4	Yy date:	2001
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-125.8	Mm date:	6
Dd date:	13	Yy date:	2005
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	08/03/2005 09:03:12	User name:	drjones

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-190.9	Mm date:	6
Dd date:	22	Yy date:	2006
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	07/07/2006 10:05:02	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-136.8	Mm date:	6
Dd date:	24	Yy date:	2004
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	09/07/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-173.9	Mm date:	6
Dd date:	25	Yy date:	2002
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-175.2	Mm date:	6
Dd date:	25	Yy date:	2008
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	07/14/2008 00:00:00	User name:	banderso
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-147.8	Mm date:	6
Dd date:	26	Yy date:	2003
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-170	Mm date:	6
Dd date:	27	Yy date:	2000
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-164.5	Mm date:	6
Dd date:	29	Yy date:	2007
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	08/10/2007 00:00:00	User name:	banderso
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-157.7	Mm date:	7
Dd date:	10	Yy date:	2007
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	08/10/2007 00:00:00	User name:	banderso

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-137.2	Mm date:	7
Dd date:	12	Yy date:	2001
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-199.9	Mm date:	7
Dd date:	18	Yy date:	2006
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	11/09/2006 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-190.6	Mm date:	7
Dd date:	19	Yy date:	2000
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-147.1	Mm date:	7
Dd date:	19	Yy date:	2005
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	07/21/2005 13:48:10	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-142.8	Mm date:	7
Dd date:	22	Yy date:	2004
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	11/24/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-169	Mm date:	7
Dd date:	24	Yy date:	2002
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-150.1	Mm date:	7
Dd date:	24	Yy date:	2003
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-189.3	Mm date:	7
Dd date:	29	Yy date:	2008
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	08/08/2008 00:00:00	User name:	banderso

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-203	Mm date:	8
Dd date:	3	Yy date:	2000
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-191.8	Mm date:	8
Dd date:	3	Yy date:	2001
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-211	Mm date:	8
Dd date:	17	Yy date:	2000
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-150.9	Mm date:	8
Dd date:	22	Yy date:	2005
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	12/09/2005 13:27:03	User name:	mbiri
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-168.3	Mm date:	8
Dd date:	23	Yy date:	2002
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-213.6	Mm date:	8
Dd date:	24	Yy date:	2006
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	11/09/2006 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-146.9	Mm date:	8
Dd date:	25	Yy date:	2004
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	11/24/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-161.1	Mm date:	8
Dd date:	29	Yy date:	2003
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-153.6	Mm date:	8
Dd date:	30	Yy date:	2007
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	10/17/2007 00:00:00	User name:	banderso
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-196.6	Mm date:	9
Dd date:	4	Yy date:	2001
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-220	Mm date:	9
Dd date:	15	Yy date:	2000
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-164.1	Mm date:	9
Dd date:	19	Yy date:	2005
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	12/09/2005 13:27:51	User name:	mbiri
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-145.7	Mm date:	9
Dd date:	20	Yy date:	2004
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	11/24/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-194.3	Mm date:	9
Dd date:	21	Yy date:	2001
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-213	Mm date:	9
Dd date:	22	Yy date:	2006
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	11/09/2006 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-170.1	Mm date:	9
Dd date:	24	Yy date:	2002
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-157.7	Mm date:	9
Dd date:	24	Yy date:	2003
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-148.3	Mm date:	9
Dd date:	28	Yy date:	2007
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	01/09/2008 00:00:00	User name:	banderso
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-208	Mm date:	10
Dd date:	17	Yy date:	2000
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-143.2	Mm date:	10
Dd date:	18	Yy date:	2004
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	10/21/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-163.1	Mm date:	10
Dd date:	21	Yy date:	2002
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-188.6	Mm date:	10
Dd date:	26	Yy date:	2001
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-204.6	Mm date:	10
Dd date:	26	Yy date:	2006
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	11/07/2006 10:26:13	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-158.1	Mm date:	10
Dd date:	28	Yy date:	2003
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-192	Mm date:	10
Dd date:	29	Yy date:	1999
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-173.1	Mm date:	10
Dd date:	31	Yy date:	2005
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	12/09/2005 13:28:21	User name:	mbiri
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-148	Mm date:	10
Dd date:	31	Yy date:	2007
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/15/2008 00:00:00	User name:	banderso
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-200	Mm date:	11
Dd date:	17	Yy date:	2000
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-191	Mm date:	11
Dd date:	19	Yy date:	1999
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-156.3	Mm date:	11
Dd date:	21	Yy date:	2003
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-171.2	Mm date:	11
Dd date:	21	Yy date:	2005
Measurement number:	01	Measuring agency:	06
Method of meas:	1	Remark:	Not Reported
Date entered:	12/12/2005 10:00:24	User name:	mbiri
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-137	Mm date:	11
Dd date:	22	Yy date:	2004
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	11/24/2004 00:00:00	User name:	drjones

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-153.2	Mm date:	11
Dd date:	26	Yy date:	2002
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-178.8	Mm date:	11
Dd date:	27	Yy date:	2001
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-146.3	Mm date:	11
Dd date:	29	Yy date:	2007
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/15/2008 00:00:00	User name:	banderso
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-193.4	Mm date:	11
Dd date:	30	Yy date:	2006
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	12/05/2006 13:15:45	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-186.2	Mm date:	12
Dd date:	13	Yy date:	2000
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/19/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-129.5	Mm date:	12
Dd date:	20	Yy date:	2004
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	12/28/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-166.1	Mm date:	12
Dd date:	27	Yy date:	2001
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	09/07/2004 00:00:00	User name:	drjones
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-163.9	Mm date:	12
Dd date:	27	Yy date:	2005
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	11/09/2006 00:00:00	User name:	drjones

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-142.2	Mm date:	12
Dd date:	27	Yy date:	2007
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	02/15/2008 00:00:00	User name:	banderso
State well number:	5664711	Pn well visit mark:	P
Depth from lsd:	-188.6	Mm date:	12
Dd date:	29	Yy date:	2006
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	01/08/2007 07:38:50	User name:	drjones
State well number:	5664711	Group number:	1
Remarks 1:	Observation well.		
Remarks 2:	Not Reported		

**A3
NE
1/4 - 1/2 Mile
Higher**

TX WELLS TXEQ20000007691

Pws id:	1330095	Water sour:	G1330095A
Fips count:	265	Quadrangle:	3099-111
Latitude:	300059		
Longitude:	990641		
Location a:	G	Agency:	TNRCC
Location m:	MAP-D1	Horizontal:	27
Spatial re:	C	Horizont 1:	U
Horizont 2:	S	Elevation:	1630
Elevation :	D	Vertical d:	29
Location d:	01/01/1901 00:00:00	Elevation1:	04/24/2008 00:00:00
Elevatio 1:	TCEQ	Elevatio 2:	G
Latdd:	30.0163879395		
Longdd:	-99.1113891602		
Gps certif:	Not Reported	Need bette:	Yes
Last chang:	03/30/1995 00:00:00	Initials:	Not Reported
Remarks:	Not Reported		
Site id:	TXEQ20000007691		
Pws id:	1330095	Water source:	G1330095A
Well depth:	665	Depth agency:	TWDB
Depth source:	T	Aquifer:	218TRNT
Aquifer id:	38		
Aquifer name:	TRINITY LOWER		
Aquifer method:	S	Aquifer type:	2
Drill date:	19620700	Last change:	08/09/1999 00:00:00
Initials:	Not Reported		
Remarks:	Not Reported		
Pws id:	1330095	Water source:	G1330095A
Fips county code:	265	Quadrangle number:	3099-111
Latitude:	300059		
Longitude:	990641		
Location accuracy:	G	Agency:	TNRCC
Location method:	MAP-D1	Horizontal datum:	27
Spatial reference code:	C	Horizontal accuracy:	U
Horizontal reference:	S	Elevation:	1630
Elevation method:	D	Vertical datum:	29
Location date:	Not Reported	Elevation date:	04/24/2008 00:00:00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elevation agency:	TCEQ	Elevation accuracy:	G
Latdd:	30.0163879394531		
Longdd:	99.1113891601563		
Gps certification number:	Not Reported	Need better location:	Yes
Last change:	03/30/1995 00:00:00	Initials:	Not Reported
Remarks:	Not Reported		
Pws id:	1330095	Water source:	G1330095A
Date:	19660500	Depth from land surface:	-135.0
Agency:	OWNER	Measuring method:	R
Remarks:	Not Reported		
Pws id:	1330095	Water source:	G1330095A
Date:	19750903	Depth from land surface:	-303.0
Agency:	TWDB	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330095	Water source:	G1330095A
Date:	19871028	Depth from land surface:	-159.03
Agency:	TWDB	Measuring method:	T
Remarks:	Not Reported		
Pws id:	1330095	Water source:	G1330095A
Date:	19890315	Depth from land surface:	-161.08
Agency:	TWDB	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330095	Water source:	G1330095A
Date:	19891027	Depth from land surface:	-222.49
Agency:	TWDB	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330095	Water source:	G1330095A
Record number:	2	Well interval:	CASING
Top depth:	0	Bottom depth:	643
Depth positive:	Not Reported	Diameter:	12
Opening type:	Not Reported	Casing material:	S
Opening material:	Not Reported	Opening length:	Not Reported
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	Not Reported	Last change:	Not Reported
Pws id:	1330095	Water source:	G1330095A
Record number:	3	Well interval:	WELL OPENINGS
Top depth:	593	Bottom depth:	643
Depth positive:	Not Reported	Diameter:	12
Opening type:	P	Casing material:	Not Reported
Opening material:	U	Opening length:	50
Opening method:	5	Packer material:	Not Reported
Initials:	JSA	Last change:	04/16/2003 00:00:00
Pws id:	1330095	Water source:	G1330095A
Record number:	4	Well interval:	WELL OPENINGS
Top depth:	643	Bottom depth:	665
Depth positive:	Not Reported	Diameter:	12
Opening type:	X	Casing material:	Not Reported
Opening material:	U	Opening length:	22
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	Not Reported	Last change:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A4
NE
1/4 - 1/2 Mile
Higher

TX WELLS TXWDB3000033524

State well:	5664702	County cod:	265
Basin:	18	Gma:	9
Rwpa:	J	Districtid:	199109JX
Previous w:	Not Reported	Latitude:	300101
Lat dec:	30.016943		
Longitude:	990643		
Long dec:	-99.111944		
Owner 1:	United States Veterans	Owner 2:	Administration
Driller 1:	J.R. Johnson	Driller 2:	Drilling
Source of :	1	Aquifer co:	217HSTN
Aquifer id:	28	Aquifer 1:	0
Aquifer 2:	0	Elev of ls:	1630
Meth of me:	M	User code :	902353
Date drill:	07 1962	Well type:	W
Well depth:	558	Source of1:	D
Type of li:	S	Type of po:	E
Horsepower:	75.00	Primary wa:	P
Second wat:	Not Reported	Tertia wat:	Not Reported
Water leve:	H	Water qual:	Y
Well logs :	Not Reported	Other data:	C
Date coll :	01291999	Reporting :	01
Well sched:	Y	Construct :	H
Completion:	P	Casing mat:	S
Screen mat:	S	Todays dat:	01/29/1999 00:00:00
User name:	Not Reported	Site id:	TXWDB3000033524
State well number:	5664702	Group number:	1
C s o indicator:	C	Diameter csg scn:	12
Top depth:	0	Bottom depth:	598
State well number:	5664702	Group number:	2
C s o indicator:	S	Diameter csg scn:	12
Top depth:	598	Bottom depth:	643
State well number:	5664702	Group number:	3
C s o indicator:	O	Diameter csg scn:	Not Reported
Top depth:	643	Bottom depth:	665
State well number:	5664702	Mm date:	6
Dd date:	24	Yy date:	1981
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	130.
Plus minus:	Not Reported		
State well number:	5664702	Mm date:	6
Dd date:	24	Yy date:	1981
Sample number:	1	Storet code:	01055
Flag:	<	Const val:	20.
Plus minus:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664702	Mm date:	9
Dd date:	4	Yy date:	1963
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	2600.
Plus minus:	Not Reported		
State well number:	5664702	Mm date:	9
Dd date:	4	Yy date:	1963
Sample number:	1	Storet code:	01046
Flag:	Not Reported	Const val:	10.
Plus minus:	Not Reported		
State well number:	5664702	Mm date:	9
Dd date:	26	Yy date:	1967
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	60.
Plus minus:	Not Reported		
State well number:	5664702	Mm date:	9
Dd date:	26	Yy date:	1967
Sample number:	1	Storet code:	01055
Flag:	<	Const val:	50.
Plus minus:	Not Reported		
State well number:	5664702	Mm date:	12
Dd date:	14	Yy date:	1983
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	2400.
Plus minus:	Not Reported		
State well number:	5664702	Mm date:	12
Dd date:	14	Yy date:	1983
Sample number:	1	Storet code:	01055
Flag:	Not Reported	Const val:	80.
Plus minus:	Not Reported		
State well number:	5664702	Pn well visit mark:	N
Depth from lsd:	Not Reported	Mm date:	1
Dd date:	11	Yy date:	1991
Measurement number:	01	Measuring agency:	01
Method of meas:	Not Reported	Remark:	41
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664702	Pn well visit mark:	N
Depth from lsd:	Not Reported	Mm date:	1
Dd date:	24	Yy date:	1995
Measurement number:	01	Measuring agency:	01
Method of meas:	Not Reported	Remark:	41
Date entered:	02/07/1995 00:00:00	User name:	Not Reported
State well number:	5664702	Pn well visit mark:	P
Depth from lsd:	-161.0	Mm date:	3
Dd date:	15	Yy date:	1989
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664702	Pn well visit mark:	N
Depth from lsd:	Not Reported	Mm date:	3
Dd date:	31	Yy date:	1994
Measurement number:	01	Measuring agency:	01
Method of meas:	Not Reported	Remark:	47
Date entered:	04/04/1994 00:00:00	User name:	Not Reported
State well number:	5664702	Pn well visit mark:	P
Depth from lsd:	-135	Mm date:	5
Dd date:	0	Yy date:	1966
Measurement number:	01	Measuring agency:	11
Method of meas:	7	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664702	Pn well visit mark:	P
Depth from lsd:	-303	Mm date:	9
Dd date:	3	Yy date:	1975
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664702	Pn well visit mark:	P
Depth from lsd:	-222.4	Mm date:	10
Dd date:	27	Yy date:	1989
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664702	Pn well visit mark:	P
Depth from lsd:	-159.0	Mm date:	10
Dd date:	28	Yy date:	1987
Measurement number:	01	Measuring agency:	01
Method of meas:	2	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664702	Pn well visit mark:	N
Depth from lsd:	Not Reported	Mm date:	11
Dd date:	16	Yy date:	1990
Measurement number:	01	Measuring agency:	01
Method of meas:	Not Reported	Remark:	47
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664702	Pn well visit mark:	N
Depth from lsd:	Not Reported	Mm date:	12
Dd date:	7	Yy date:	1992
Measurement number:	01	Measuring agency:	01
Method of meas:	Not Reported	Remark:	41
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664702	Mm date:	6
Dd date:	24	Yy date:	1981
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	7	Q00920 flag:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Q00920 magnes mgl:	5	Q00929 flag:	Not Reported
Q00929 sodium mgl:	161	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	16.8
Q00440 bicarb mgl:	345.36	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	41	Q00940 flag:	Not Reported
Q00940 chloride mgl:	30	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.1	Q71850 flag:	<
Q71850 nitrate mgl:	.04	Q00403 flag:	Not Reported
Q00403 ph:	8.9	Q70300 tds:	431
Q00415 flag:	Not Reported	Q00415 phen alk:	14
Q00410 flag:	Not Reported	Q00410 total alk:	311
Q00900 tot hardnes:	38	Q00932 percent na:	90
Q00931 sar:	11.36	Q71860 rsc:	5.46
Q00095 flag:	Not Reported	Q00095 spec cond:	790
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664702	Mm date:	9
Dd date:	4	Yydate:	1963
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	24	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	03
Collecting agency:	03	Lab code:	02
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	11	Q00910 flag:	Not Reported
Q00910 calcium mgl:	62	Q00920 flag:	Not Reported
Q00920 magnes mgl:	43	Q00929 flag:	Not Reported
Q00929 sodium mgl:	20	Q00937 flag:	Not Reported
Q00937 potass mgl:	6.7	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	383.19	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	30	Q00940 flag:	Not Reported
Q00940 chloride mgl:	25	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.1	Q71850 flag:	Not Reported
Q71850 nitrate mgl:	0	Q00403 flag:	Not Reported
Q00403 ph:	Not Reported	Q70300 tds:	387
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	314
Q00900 tot hardnes:	331	Q00932 percent na:	11
Q00931 sar:	.48	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	Not Reported
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664702	Mm date:	9
Dd date:	26	Yydate:	1967
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	63	Q00920 flag:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Q00920 magnes mgl:	40	Q00929 flag:	Not Reported
Q00929 sodium mgl:	19	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	372.21	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	42	Q00940 flag:	Not Reported
Q00940 chloride mg:	14	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.3	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.6	Q70300 tds:	362
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	305
Q00900 tot hardnes:	321	Q00932 percent na:	11
Q00931 sar:	.46	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	740
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664702	Mm date:	12
Dd date:	14	Yydate:	1983
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	72	Q00920 flag:	Not Reported
Q00920 magnes mgl:	35	Q00929 flag:	Not Reported
Q00929 sodium mgl:	22	Q00937 flag:	Not Reported
Q00937 potass mgl:	7	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	385.63	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	38	Q00940 flag:	Not Reported
Q00940 chloride mg:	23	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.1	Q71850 flag:	<
Q71850 nitrate mgl:	.04	Q00403 flag:	Not Reported
Q00403 ph:	8.3	Q70300 tds:	387
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	316
Q00900 tot hardnes:	323	Q00932 percent na:	12
Q00931 sar:	.53	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	775
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664702	Group number:	1
Remarks 1:	Historical observation well.		
Remarks 2:	Measured yield 325 feet with 13		

State well number:	5664702	Group number:	2
Remarks 1:	feet drawdown in 1966. Originally		
Remarks 2:	drilled to 665 feet, but caved to		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number: 5664702 Group number: 3
 Remarks 1: 598 feet. Pump set at 398 feet.
 Remarks 2: Acidized. Specific capacity 25

State well number: 5664702 Group number: 4
 Remarks 1: GPM/ft.
 Remarks 2: Not Reported

**B5
 NNW
 1/4 - 1/2 Mile
 Higher**

TX WELLS TXMON1000048249

Trackno:	4656	Dateentere:	01/30/2002 00:00:00
Ownname:	Kerrville Telephone Co.		
Ownstreet:	3000 Nichols St.		
Owncity:	Kerrville	Ownstate:	TX
Ownzip:	Not Reported	County:	Kerr
Wellstreet:	3000 Nichols St.		
Wellcity:	Kerrville	Wellzip:	Not Reported
Own:	b-3	Latitude:	300109
Lat dec:	30.019166		
Longitude:	990711		
Long dec:	-99.119721		
Elev:	0	Brandmodel:	Magellan 310
Gn:	56647	Gn1:	56
Gn75:	64	Gn25:	7
Twn:	1	Twd:	0
Twr:	0	Twrp:	0
Twrg:	0	Um:	0
Ue:	1	Ud:	0
Uin:	0	Uir:	0
Ug:	0	Uij:	0
Up:	0	Udw:	0
Ut:	0	Us:	0
Pby:	0	Pbn:	0
Datestart:	01/22/2002 00:00:00	Datecomp:	01/22/2002 00:00:00
Dia1:	1.5	Dia1to:	10
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Lith log:	0 to 2 drk. brown sandy clay 2 to 8 brown sandy clay w/ gravels 8 to 10 tan weathered chirt		
Dmdriven:	1	Dmairrotar:	0
Dmmudrotar:	0	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjtted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	1	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	0	Bcot:	Not Reported
Gpf:	Not Reported	Gpt:	Not Reported
Case Screen:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Cemfrom1:	0			Cemto1:	.5				
Nosacks1:	1			Cemfrom2:	Not Reported				
Cemto2:	Not Reported			Nosacks2:	Not Reported				
Cemfrom3:	Not Reported			Cemto3:	Not Reported				
Nosacks3:	Not Reported			Cementmeth:	Not Reported				
Cementby:	Not Reported			Ds:	Not Reported				
Dpl:	Not Reported			Dsv:	Not Reported				
Appvar:	Not Reported			Scs:	0				
Scsv:	0			Scp:	0				
Sca:	0			Watlev:	Not Reported				
Watlevdate:	01/29/2002 00:00:00			Artflow:	Not Reported				
Packers:	Not Reported								
Wellplug48:	1								
Wptext:	n/a	0	.5	cem	1 n/a	.5	10	bent	2
Tpturbine:	0			Tpjet:	0				
Tpsubmersi:	0			Tpcylinder:	0				
Tpothcrck:	0			Tpothcr:	Not Reported				
Pumpbowlde:	Not Reported			Wtpump:	0				
Wtbailer:	0			Wtjetted:	0				
Wtestimate:	0			Welltestyi:	Not Reported				
Welltestdr:	Not Reported			Welltesthr:	Not Reported				
Watqualund:	0			Watqualu 1:	0				
Watertype:	Not Reported			Stratdepth:	Not Reported				
Chemanaly:	0			Chemanaln:	0				
Undnatural:	0			Untype:	Not Reported				
Undhydro:	0			Undhaz:	0				
Undotherck:	0								
Undother:	Not Reported			Compname:	Total Support Services				
Undcertify:	0			Compstreet:	PO Box 81621				
Drlllchno:	54529			Compstate:	TX				
Compcity:	Austin			Drillernam:	Chris Rios				
Compzip:	78708			Tnum:	Not Reported				
Traineenam:	Not Reported								
Comments 1:	Not Reported								
Site id:	TXMON1000048249								

**B6
NNW
1/4 - 1/2 Mile
Higher**

TX WELLS TXMON1000048248

Trackno:	4655	Dateentere:	01/30/2002 00:00:00
Ownname:	Kerrville Telephone Co.		
Ownstreet:	3000 Nichols St.		
Owncity:	Kerrville	Ownstate:	TX
Ownzip:	Not Reported	County:	Kerr
Wellstreet:	3000 Nichols St.		
Wellcity:	Kerrville	Wellzip:	Not Reported
Own:	b-2	Latitude:	300109
Lat dec:	30.019166		
Longitude:	990711		
Long dec:	-99.119721		
Elev:	0	Brandmodel:	Magellan 310
Gn:	56647	Gn1:	56
Gn75:	64	Gn25:	7
Twn:	1	Twd:	0
Twr:	0	Twrp:	0
Twrg:	0	Um:	0
Ue:	1	Ud:	0
Uin:	0	Uir:	0
Ug:	0	Uij:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Up:	0	Udw:	0
Ut:	0	Us:	0
Pby:	0	Pbn:	0
Datestart:	01/22/2002 00:00:00	Datecomp:	01/22/2002 00:00:00
Dia1:	1.5	Dia1to:	10
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Lith log:	0 to 2 drk. brown sandy clay 2 to 8 brown sandy clay w/ gravels 8 to 10 tan weathered chirt		
Dmdriven:	1	Dmairrotar:	0
Dmmudrotar:	0	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	1	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	0	Bcot:	Not Reported
Gpf:	Not Reported	Gpt:	Not Reported
Case Screen:	Not Reported		
Cemfrom1:	0	Cemto1:	.5
Nosacks1:	1	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Not Reported
Cementby:	Not Reported	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	0	Watlev:	Not Reported
Watlevdate:	01/29/2002 00:00:00	Artflow:	Not Reported
Packers:	Not Reported		
Wellplug48:	1		
Wptext:	n/a	0	.5 cem 1 n/a .5 10 bent 2
Tpturbine:	0	Tpjet:	0
Tpsubmersi:	0	Tpcylinder:	0
Tpothcrk:	0	Tpothcr:	Not Reported
Pumpbowlde:	Not Reported	Wtpump:	0
Wtbailer:	0	Wtjetted:	0
Wtestimate:	0	Welltestyi:	Not Reported
Welltestdr:	Not Reported	Welltesthr:	Not Reported
Watqualund:	0	Watqualu 1:	0
Watertype:	Not Reported	Stratdepth:	Not Reported
Chemanaly:	0	Chemanaln:	0
Undnatural:	0	Untype:	Not Reported
Undhydro:	0	Undhaz:	0
Undotherck:	0		
Undother:	Not Reported		
Undcertify:	0	Compname:	Total Support Services
Drllcno:	54529	Compstreet:	PO Box 81621
Compcity:	Austin	Compstate:	TX
Compzip:	78708	Drillernam:	Chris Rios
Traineenam:	Not Reported	Tnum:	Not Reported
Comments 1:	Not Reported		
Site id:	TXMON1000048248		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B7
NNW
1/4 - 1/2 Mile
Higher

TX WELLS TXMON1000048250

Trackno:	4657	Dateentere:	01/30/2002 00:00:00
Ownname:	Kerrville Telephone Co.		
Ownstreet:	3000 Nichols St.		
Owncity:	Kerrville	Ownstate:	TX
Ownzip:	Not Reported	County:	Kerr
Wellstreet:	3000 Nichols St.		
Wellcity:	Kerrville	Wellzip:	Not Reported
Own:	b-4	Latitude:	300109
Lat dec:	30.019166		
Longitude:	990711		
Long dec:	-99.119721		
Elev:	0	Brandmodel:	Magellan 310
Gn:	56647	Gn1:	56
Gn75:	64	Gn25:	7
Twn:	1	Twd:	0
Twr:	0	Twrp:	0
Twrg:	0	Um:	0
Ue:	1	Ud:	0
Uin:	0	Uir:	0
Ug:	0	Uij:	0
Up:	0	Udw:	0
Ut:	0	Us:	0
Pby:	0	Pbn:	0
Datestart:	01/22/2002 00:00:00	Datecomp:	01/22/2002 00:00:00
Dia1:	1.5	Dia1to:	10
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Lith log:	0 to 2 drk. brown sandy clay 2 to 8 brown sandy clay w/ gravels 8 to 10 tan weathered chirt		
Dmdriven:	1	Dmairrotar:	0
Dmmudrotar:	0	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	1	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	0	Bcot:	Not Reported
Gpf:	Not Reported	Gpt:	Not Reported
Case Screen:	Not Reported		
Cemfrom1:	0	Cemto1:	.5
Nosacks1:	1	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Not Reported
Cementby:	Not Reported	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	0	Watlev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Watlevdate:	01/29/2002 00:00:00	Artflow:	Not Reported
Packers:	Not Reported		
Wellplug48:	1		
Wptext:	n/a	0	.5 cem 1 n/a .5 10 bent 2
Tpturbine:	0	Tpjet:	0
Tpsubmersi:	0	Tpcylinder:	0
Tpothcrk:	0	Tpothcr:	Not Reported
Pumpbowld:	Not Reported	Wtpump:	0
Wtbailer:	0	Wtjetted:	0
Wtestimate:	0	Welltestyi:	Not Reported
Welltestdr:	Not Reported	Welltestthr:	Not Reported
Watqualund:	0	Watqualu 1:	0
Watertype:	Not Reported	Stratdepth:	Not Reported
Chemanaly:	0	Chemanaln:	0
Undnatural:	0	Untype:	Not Reported
Undhydro:	0	Undhaz:	0
Undotherck:	0		
Undother:	Not Reported		
Undcertify:	0	Compname:	Total Support Services
Drllcno:	54529	Compstreet:	PO Box 81621
Compcity:	Austin	Compstate:	TX
Compzip:	78708	Drillernam:	Chris Rios
Traineenam:	Not Reported	Tnum:	Not Reported
Comments 1:	Not Reported		
Site id:	TXMON1000048250		

**B8
NNW
1/4 - 1/2 Mile
Higher**

TX WELLS TXMON1000048252

Trackno:	4659	Dateentere:	01/30/2002 00:00:00
Ownname:	Kerrville Telephone Co.		
Ownstreet:	3000 Nichols St.		
Owncity:	Kerrville	Ownstate:	TX
Ownzip:	Not Reported	County:	Kerr
Wellstreet:	3000 Nichols St.		
Wellcity:	Kerrville	Wellzip:	Not Reported
Own:	b-6	Latitude:	300109
Lat dec:	30.019166		
Longitude:	990711		
Long dec:	-99.119721		
Elev:	0	Brandmodel:	Magellan 310
Gn:	56647	Gn1:	56
Gn75:	64	Gn25:	7
Twn:	1	Twd:	0
Twr:	0	Twrp:	0
Twrg:	0	Um:	0
Ue:	1	Ud:	0
Uin:	0	Uir:	0
Ug:	0	Uij:	0
Up:	0	Udw:	0
Ut:	0	Us:	0
Pby:	0	Pbn:	0
Datestart:	01/22/2002 00:00:00	Datecomp:	01/22/2002 00:00:00
Dia1:	1.5	Dia1to:	10
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Lith log:	0 to 2 drk. brown sandy clay 2 to 8 brown sandy clay w/ gravels 8 to 10 tan weathered chirt		
Dmdriven:	1	Dmairrotar:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dmmudrotar:	0	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	1	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	0	Bcot:	Not Reported
Gpf:	Not Reported	Gpt:	Not Reported
Case Screen:	Not Reported		
Cemfrom1:	0	Cemto1:	.5
Nosacks1:	1	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Not Reported
Cementby:	Not Reported	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	0	Watlev:	Not Reported
Watlevdate:	01/29/2002 00:00:00	Artflow:	Not Reported
Packers:	Not Reported		
Wellplug48:	1		
Wptext:	n/a	0	.5 cem 1 n/a .5 10 bent 2
Tpturbine:	0	Tpjct:	0
Tpsubmersi:	0	Tpcylinder:	0
Tpothcrk:	0	Tpothcr:	Not Reported
Pumpbowldc:	Not Reported	Wtpump:	0
Wtbailer:	0	Wtjcted:	0
Wtestimate:	0	Welltestyi:	Not Reported
Welltestdr:	Not Reported	Welltesthr:	Not Reported
Watqualund:	0	Watqualu 1:	0
Watertype:	Not Reported	Stratdepth:	Not Reported
Chemanaly:	0	Chemanaln:	0
Undnatural:	0	Untype:	Not Reported
Undhydro:	0	Undhaz:	0
Undotherck:	0		
Undother:	Not Reported		
Undcertify:	0	Compname:	Total Support Services
Drllcno:	54529	Compstreet:	PO Box 81621
Compcity:	Austin	Compstate:	TX
Compzip:	78708	Drillernam:	Chris Rios
Traineenam:	Not Reported	Tnum:	Not Reported
Comments 1:	Not Reported		
Site id:	TXMON1000048252		

**B9
NNW
1/4 - 1/2 Mile
Higher**

TX WELLS TXMON1000048251

Trackno:	4658	Dateentere:	01/30/2002 00:00:00
Ownname:	Kerrville Telephone Co.		
Ownstreet:	3000 Nichols St.		
Owncity:	Kerrville	Ownstate:	TX
Ownzip:	Not Reported	County:	Kerr
Wellstreet:	3000 Nichols St.		
Wellcity:	Kerrville	Wellzip:	Not Reported
Own:	b-5	Latitude:	300109
Lat dec:	30.019166		
Longitude:	990711		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Long dec:	-99.119721									
Elev:	0		Brandmodel:	Magellan 310						
Gn:	56647		Gn1:	56						
Gn75:	64		Gn25:	7						
Twn:	1		Twd:	0						
Twr:	0		Twrp:	0						
Twrg:	0		Um:	0						
Ue:	1		Ud:	0						
Uin:	0		Uir:	0						
Ug:	0		Uij:	0						
Up:	0		Udw:	0						
Ut:	0		Us:	0						
Pby:	0		Pbn:	0						
Datestart:	01/22/2002 00:00:00		Datecomp:	01/22/2002 00:00:00						
Dia1:	1.5		Dia1to:	10						
Dia2:	Not Reported		Dia2from:	Not Reported						
Dia2to:	Not Reported		Dia3:	Not Reported						
Dia3from:	Not Reported		Dia3to:	Not Reported						
Lith log:	0 to 2 drk. brown sandy clay 2 to 8 brown sandy clay w/ gravels 8 to 10 tan weathered chirt									
Dmdriven:	1		Dmairrotar:	0						
Dmmudrotar:	0		Dmbored:	0						
Dmairham:	0		Dmcabletoo:	0						
Dmjetted:	0		Dmhollowst:	0						
Dmrevcirc:	0		Dmotherck:	0						
Dmother:	Not Reported		Bco:	0						
Bcs:	1		Bcg:	0						
Bcgs:	Not Reported		Bcu:	0						
Bcoc:	0		Bcot:	Not Reported						
Gpf:	Not Reported		Gpt:	Not Reported						
Case Screen:	Not Reported									
Cemfrom1:	0		Cemto1:	.5						
Nosacks1:	1		Cemfrom2:	Not Reported						
Cemto2:	Not Reported		Nosacks2:	Not Reported						
Cemfrom3:	Not Reported		Cemto3:	Not Reported						
Nosacks3:	Not Reported		Cementmeth:	Not Reported						
Cementby:	Not Reported		Ds:	Not Reported						
Dpl:	Not Reported		Dsv:	Not Reported						
Appvar:	Not Reported		Scs:	0						
Scsv:	0		Scp:	0						
Sca:	0		Watlev:	Not Reported						
Watlevdate:	01/29/2002 00:00:00		Artflow:	Not Reported						
Packers:	Not Reported									
Wellplug48:	1									
Wptext:	n/a	0	.5	cem	1	n/a	.5	10	bent	2
Tpturbine:	0		Tpjet:	0						
Tpsubmersi:	0		Tpcylinder:	0						
Tpotherc:	0		Tpotherc:	Not Reported						
Pumpbowlde:	Not Reported		Wtpump:	0						
Wtbailer:	0		Wtjetted:	0						
Wtestimate:	0		Welltestyi:	Not Reported						
Welltestdr:	Not Reported		Welltesthr:	Not Reported						
Watqualund:	0		Watqualu 1:	0						
Watertype:	Not Reported		Stratdepth:	Not Reported						
Chemanaly:	0		Chemanaln:	0						
Undnatural:	0		Untype:	Not Reported						
Undhydro:	0		Undhaz:	0						
Undotherck:	0									
Undother:	Not Reported									
Undcertify:	0		Compname:	Total Support Services						
Drillicno:	54529		Compstreet:	PO Box 81621						

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Compcity:	Austin	Compstate:	TX
Compzip:	78708	Drillernam:	Chris Rios
Traineenam:	Not Reported	Tnum:	Not Reported
Comments 1:	Not Reported		
Site id:	TXMON1000048251		

**B10
NNW
1/4 - 1/2 Mile
Higher**

TX WELLS TXMON1000048247

Trackno:	4654	Dateentere:	01/30/2002 00:00:00
Ownname:	Kerrville Telephone Co.		
Ownstreet:	3000 Nichols St.		
Owncity:	Kerrville	Ownstate:	TX
Ownzip:	Not Reported	County:	Kerr
Wellstreet:	3000 Nichols St.		
Wellcity:	Kerrville	Wellzip:	Not Reported
Own:	b-1	Latitude:	300109
Lat dec:	30.019166		
Longitude:	990711		
Long dec:	-99.119721		
Elev:	0	Brandmodel:	Magellan 310
Gn:	56647	Gn1:	56
Gn75:	64	Gn25:	7
Twn:	1	Twd:	0
Twr:	0	Twrp:	0
Twrg:	0	Um:	0
Ue:	1	Ud:	0
Uin:	0	Uir:	0
Ug:	0	Uij:	0
Up:	0	Udw:	0
Ut:	0	Us:	0
Pby:	0	Pbn:	0
Datestart:	01/22/2002 00:00:00	Datecomp:	01/22/2002 00:00:00
Dia1:	1.5	Dia1to:	10
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Lith log:	0 to 2 drk. brown sandy clay 2 to 8 brown sandy clay w/ gravels 8 to 10 tan weathered chirt		
Dmdriven:	1	Dmairrotar:	0
Dmmudrotar:	0	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjtted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	0	Bcot:	Not Reported
Gpf:	Not Reported	Gpt:	Not Reported
Case Screen:	Not Reported		
Cemfrom1:	Not Reported	Cemto1:	Not Reported
Nosacks1:	Not Reported	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Not Reported
Cementby:	Not Reported	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	0	Watlev:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Watlevdate:	01/29/2002 00:00:00	Artflow:	Not Reported
Packers:	Not Reported		
Wellplug48:	1		
Wptext:	n/a	0	10 bent 2
Tpturbine:	0		Tpjet: 0
Tpsubmersi:	0		Tpcylinder: 0
Tpothcrk:	0		Tpothcr: Not Reported
Pumpbowld:	Not Reported		Wtpump: 0
Wtbailer:	0		Wtjetted: 0
Wtestimate:	0		Welltestyi: Not Reported
Welltestdr:	Not Reported		Welltestthr: Not Reported
Watqualund:	0		Watqualu 1: 0
Watertype:	Not Reported		Stratdepth: Not Reported
Chemanaly:	0		Chemanaln: 0
Undnatural:	0		Untype: Not Reported
Undhydro:	0		Undhaz: 0
Undotherck:	0		
Undother:	Not Reported		
Undcertify:	0	Compname:	Total Support Services
Drllcno:	54529	Compstreet:	PO Box 81621
Compcity:	Austin	Compstate:	TX
Compzip:	78708	Drillernam:	Chris Rios
Traineenam:	Not Reported	Tnum:	Not Reported
Comments 1:	Not Reported		
Site id:	TXMON1000048247		

**B11
NNW
1/4 - 1/2 Mile
Higher**

TX WELLS TXD1011344

Rec id:	27647	Owner well #:	b-4
Owner:	Kerrville Telephone Co.	City state zip:	Kerrville ,TX
Owner Address:	3000 Nichols St.		
Grid:	56-64-7		
Well address:	3000 Nichols St.	Latitude:	30° 01 09N
Well city state:	Kerrville ,TX	Longitude:	099° 07 11 W
Well county:	Kerr	Gps brand:	Magellan 310
Elevation:	No Data	Use:	Environmental Soil Boring
Type of work:	New Well	Completed date:	1/22/2002
Spud date:	1/22/2002		
Diameter:	1.5 in From Surface To	10 ft	
Drilling method:	Driven		
Borehole Completed:	Straight Wall		
Gravel Packed from:	Not Reported		
Pack size:	Not Reported		
1st interval:	From 0 ft to .5 ft with 1 (#sacks and material)		
2nd interval:	No Data		
3rd interval:	No Data		
Cement method:	No Data	Cemented by:	No Data
Distance to septic:	No Data	Dist. to property line:	No Data
Verify method:	No Data	Variance:	No Data
Surface completion:	No Data	Static level:	No Data
Flow:	No Data		
Packers:	No Data		
Cement left in well:	Not Reported	Pump type:	No Data

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pumpbowl depth:	Not Reported	Well tests:	No Data
Yield:	Not Reported		
Water quality:	No Data		
Strata depth:	No Data		
Chem. analysis:	No Data	Undesirable:	No Data
Certification:	The driller certified that the driller drilled this well (or the well was drilled under the drillers direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required		
Company name:	Total Support Services		
Company address:	PO Box 81621		
City state:	Austin , TX 78708	Driller license #:	54529
Driller Signature:	Chris Rios	Apprentice signature:	No Data
Apprentice Reg. #:	No Data		
Comments:	No Data		
Description:	0 to 2 drk. brown sandy clay2 to 8 brown sandy clay w/ gravels8 to 10 tan weathered chirt		
Old id :	417		

**B12
NNW
1/4 - 1/2 Mile
Higher**

TX WELLS TXD1011343

Rec id:	27646	Owner well #:	b-5
Owner:	Kerrville Telephone Co.	City state zip:	Kerrville ,TX
Owner Address:	3000 Nichols St.		
Grid:	56-64-7		
Well address:	3000 Nichols St.		
Well city state:	Kerrville ,TX	Latitude:	30° 01 09N
Well county:	Kerr	Longitude:	099° 07 11 W
Elevation:	No Data	Gps brand:	Magellan 310
Type of work:	New Well	Use:	Environmental Soil Boring
Spud date:	1/22/2002	Completed date:	1/22/2002
Diameter:	1.5 in From Surface To	10 ft	
Drilling method:	Driven		
Borehole Completed:	Straight Wall		
Gravel Packed from:	Not Reported		
Pack size:	Not Reported		
1st interval:	From 0 ft to .5 ft with 1 (#sacks and material)		
2nd interval:	No Data		
3rd interval:	No Data		
Cement method:	No Data	Cemented by:	No Data
Distance to septic:	No Data	Dist. to property line:	No Data
Verify method:	No Data	Variance:	No Data
Surface completion:	No Data	Static level:	No Data
Flow:	No Data		
Packers:	No Data		
Cement left in well:	Not Reported	Pump type:	No Data
Pumpbowl depth:	Not Reported	Well tests:	No Data
Yield:	Not Reported		
Water quality:	No Data		
Strata depth:	No Data		
Chem. analysis:	No Data	Undesirable:	No Data
Certification:	The driller certified that the driller drilled this well (or the well was drilled under the drillers direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required		
Company name:	Total Support Services		
Company address:	PO Box 81621		
City state:	Austin , TX 78708	Driller license #:	54529
Driller Signature:	Chris Rios	Apprentice signature:	No Data

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apprentice Reg. #: No Data
 Comments: No Data
 Description: 0 to 2 drk. brown sandy clay2 to 8 brown sandy clay w/ gravels8 to 10 tan weathered chirt
 Old id : 417

**B13
 NNW
 1/4 - 1/2 Mile
 Higher**

TX WELLS TXD1011342

Rec id:	27643	Owner well #:	b-6
Owner:	Kerrville Telephone Co.	City state zip:	Kerrville ,TX
Owner Address:	3000 Nichols St.		
Grid:	56-64-7		
Well address:	3000 Nichols St.		
Well city state:	Kerrville ,TX	Latitude:	30° 01 09N
Well county:	Kerr	Longitude:	099° 07 11 W
Elevation:	No Data	Gps brand:	Magellan 310
Type of work:	New Well	Use:	Environmental Soil Boring
Spud date:	1/22/2002	Completed date:	1/22/2002
Diameter:	1.5 in From Surface To	10 ft	
Drilling method:	Driven		
Borehole Completed:	Straight Wall		
Gravel Packed from:	Not Reported		
Pack size:	Not Reported		
1st interval:	From 0 ft to .5 ft with 1 (#sacks and material)		
2nd interval:	No Data		
3rd interval:	No Data		
Cement method:	No Data	Cemented by:	No Data
Distance to septic:	No Data	Dist. to property line:	No Data
Verify method:	No Data	Variance:	No Data
Surface completion:	No Data	Static level:	No Data
Flow:	No Data		
Packers:	No Data		
Cement left in well:	Not Reported	Pump type:	No Data
Pumpbowl depth:	Not Reported	Well tests:	No Data
Yield:	Not Reported		
Water quality:	No Data		
Strata depth:	No Data		
Chem. analysis:	No Data	Undesirable:	No Data
Certification:	The driller certified that the driller drilled this well (or the well was drilled under the drillers direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required		
Company name:	Total Support Services		
Company address:	PO Box 81621		
City state:	Austin , TX 78708	Driller license #:	54529
Driller Signature:	Chris Rios	Apprentice signature:	No Data
Apprentice Reg. #:	No Data		
Comments:	No Data		
Description:	0 to 2 drk. brown sandy clay2 to 8 brown sandy clay w/ gravels8 to 10 tan weathered chirt		
Old id :	417		

**B14
 NNW
 1/4 - 1/2 Mile
 Higher**

TX WELLS TXD1011347

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Rec id:	27651	Owner well #:	b-1
Owner:	Kerrville Telephone Co.	City state zip:	Kerrville ,TX
Owner Address:	3000 Nichols St.		
Grid:	56-64-7		
Well address:	3000 Nichols St.		
Well city state:	Kerrville ,TX	Latitude:	30° 01 09N
Well county:	Kerr	Longitude:	099° 07 11 W
Elevation:	No Data	Gps brand:	Magellan 310
Type of work:	New Well	Use:	Environmental Soil Boring
Spud date:	1/22/2002	Completed date:	1/22/2002
Diameter:	1.5 in From Surface To		10 ft
Drilling method:	Driven		
Borehole Completed:	No Data		
Gravel Packed from:	Not Reported		
Pack size:	Not Reported		
1st interval:	No Data		
2nd interval:	No Data		
3rd interval:	No Data		
Cement method:	Not Reported	Cemented by:	Not Reported
Distance to septic:	Not Reported	Dist. to property line:	Not Reported
Verify method:	Not Reported	Variance:	Not Reported
Surface completion:	No Data	Static level:	No Data
Flow:	No Data		
Packers:	No Data		
Cement left in well:	Not Reported	Pump type:	No Data
Pumpbowl depth:	Not Reported	Well tests:	No Data
Yield:	Not Reported		
Water quality:	No Data		
Strata depth:	No Data		
Chem. analysis:	No Data	Undesirable:	No Data
Certification:	The driller certified that the driller drilled this well (or the well was drilled under the drillers direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required		
Company name:	Total Support Services		
Company address:	PO Box 81621		
City state:	Austin , TX 78708	Driller license #:	54529
Driller Signature:	Chris Rios	Apprentice signature:	No Data
Apprentice Reg. #:	No Data		
Comments:	No Data		
Description:	0 to 2 drk. brown sandy clay2 to 8 brown sandy clay w/ gravels8 to 10 tan weathered chirt		
Old id :	417		

**B15
NNW
1/4 - 1/2 Mile
Higher**

TX WELLS TXD1011346

Rec id:	27650	Owner well #:	b-2
Owner:	Kerrville Telephone Co.	City state zip:	Kerrville ,TX
Owner Address:	3000 Nichols St.		
Grid:	56-64-7		
Well address:	3000 Nichols St.		
Well city state:	Kerrville ,TX	Latitude:	30° 01 09N
Well county:	Kerr	Longitude:	099° 07 11 W
Elevation:	No Data	Gps brand:	Magellan 310

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Type of work:	New Well	Use:	Environmental Soil Boring
Spud date:	1/22/2002	Completed date:	1/22/2002
Diameter:	1.5 in From Surface To	10 ft	
Drilling method:	Driven		
Borehole Completed:	Straight Wall		
Gravel Packed from:	Not Reported		
Pack size:	Not Reported		
1st interval:	From 0 ft to .5 ft with 1	(#sacks and material)	
2nd interval:	No Data		
3rd interval:	No Data		
Cement method:	No Data	Cemented by:	No Data
Distance to septic:	No Data	Dist. to property line:	No Data
Verify method:	No Data	Variance:	No Data
Surface completion:	No Data	Static level:	No Data
Flow:	No Data		
Packers:	No Data		
Cement left in well:	Not Reported	Pump type:	No Data
Pumpbowl depth:	Not Reported	Well tests:	No Data
Yield:	Not Reported		
Water quality:	No Data		
Strata depth:	No Data		
Chem. analysis:	No Data	Undesirable:	No Data
Certification:	The driller certified that the driller drilled this well (or the well was drilled under the drillers direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required		
Company name:	Total Support Services		
Company address:	PO Box 81621		
City state:	Austin , TX 78708	Driller license #:	54529
Driller Signature:	Chris Rios	Apprentice signature:	No Data
Apprentice Reg. #:	No Data		
Comments:	No Data		
Description:	0 to 2 drk. brown sandy clay2 to 8 brown sandy clay w/ gravels8 to 10 tan weathered chirt		
Old id :	417		

**B16
NNW
1/4 - 1/2 Mile
Higher**

TX WELLS TXD1011345

Rec id:	27648	Owner well #:	b-3
Owner:	Kerrville Telephone Co.	City state zip:	Kerrville ,TX
Owner Address:	3000 Nichols St.		
Grid:	56-64-7		
Well address:	3000 Nichols St.		
Well city state:	Kerrville ,TX	Latitude:	30° 01 09N
Well county:	Kerr	Longitude:	099° 07 11 W
Elevation:	No Data	Gps brand:	Magellan 310
Type of work:	New Well	Use:	Environmental Soil Boring
Spud date:	1/22/2002	Completed date:	1/22/2002
Diameter:	1.5 in From Surface To	10 ft	
Drilling method:	Driven		
Borehole Completed:	Straight Wall		
Gravel Packed from:	Not Reported		
Pack size:	Not Reported		
1st interval:	From 0 ft to .5 ft with 1	(#sacks and material)	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

2nd interval:	No Data			
3rd interval:	No Data			
Cement method:	No Data	Cemented by:	No Data	
Distance to septic:	No Data	Dist. to property line:	No Data	
Verify method:	No Data	Variance:	No Data	
Surface completion:	No Data	Static level:	No Data	
Flow:	No Data			
Packers:	No Data			
Cement left in well:	Not Reported	Pump type:	No Data	
Pumpbowl depth:	Not Reported	Well tests:	No Data	
Yield:	Not Reported			
Water quality:	No Data			
Strata depth:	No Data			
Chem. analysis:	No Data	Undesirable:	No Data	
Certification:	The driller certified that the driller drilled this well (or the well was drilled under the drillers direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required			
Company name:	Total Support Services			
Company address:	PO Box 81621			
City state:	Austin	, TX 78708	Driller license #:	54529
Driller Signature:	Chris Rios		Apprentice signature:	No Data
Apprentice Reg. #:	No Data			
Comments:	No Data			
Description:	0 to 2 drk. brown sandy clay2 to 8 brown sandy clay w/ gravels8 to 10 tan weathered chirt			
Old id :	417			

**C17
ESE
1/2 - 1 Mile
Higher**

TX WELLS TXWDB3000033328

State well:	5664710	County cod:	265
Basin:	18	Gma:	9
Rwpa:	J	Districtid:	199109JX
Previous w:	Not Reported	Latitude:	300035
Lat dec:	30.009722		
Longitude:	990622		
Long dec:	-99.106111		
Owner 1:	Texas Lions Camp	Owner 2:	Not Reported
Driller 1:	Page Drilling Co.	Driller 2:	Not Reported
Source of :	1	Aquifer co:	218HNSL
Aquifer id:	28	Aquifer 1:	0
Aquifer 2:	0	Elev of ls:	1620
Meth of me:	M	User code :	0
Date drill:	12111988	Well type:	W
Well depth:	510	Source of1:	D
Type of li:	S	Type of po:	E
Horsepower:	15	Primary wa:	P
Second wat:	Not Reported	Tertia wat:	Not Reported
Water leve:	M	Water qual:	N
Well logs :	D	Other data:	Not Reported
Date coll :	07261996	Reporting :	01
Well sched:	Y	Construct :	A
Completion:	P	Casing mat:	S
Screen mat:	S	Today's dat:	10/09/2003 00:00:00
User name:	Not Reported	Site id:	TXWDB3000033328

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664710	Group number:	1
C s o indicator:	C	Diameter csg scn:	9
Top depth:	0	Bottom depth:	323
State well number:	5664710	Group number:	2
C s o indicator:	S	Diameter csg scn:	7
Top depth:	297	Bottom depth:	460
State well number:	5664710	Group number:	3
C s o indicator:	O	Diameter csg scn:	7
Top depth:	460	Bottom depth:	510
State well number:	5664710	Pn well visit mark:	P
Depth from lsd:	-205.7	Mm date:	1
Dd date:	23	Yy date:	1997
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	02/04/1997 00:00:00	User name:	Not Reported
State well number:	5664710	Pn well visit mark:	P
Depth from lsd:	-189.3	Mm date:	7
Dd date:	24	Yy date:	1997
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	08/04/1997 00:00:00	User name:	Not Reported
State well number:	5664710	Pn well visit mark:	P
Depth from lsd:	-244.3	Mm date:	7
Dd date:	26	Yy date:	1996
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	04
Date entered:	08/13/1996 00:00:00	User name:	Not Reported
State well number:	5664710	Pn well visit mark:	P
Depth from lsd:	-170	Mm date:	12
Dd date:	11	Yy date:	1988
Measurement number:	01	Measuring agency:	07
Method of meas:	7	Remark:	Not Reported
Date entered:	08/13/1996 00:00:00	User name:	Not Reported
State well number:	5664710	Group number:	1
Remarks 1:	Owner's new #2 well. Measured yield		
Remarks 2:	250 GPM in 1988. Cemented from 0 to		
State well number:	5664710	Group number:	2
Remarks 1:	323 feet. Pump set at 420 feet.		
Remarks 2:	Not Reported		

18
West
1/2 - 1 Mile
Higher

TX WELLS TXWDB3000033448

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well:	5663921	County cod:	265
Basin:	18	Gma:	9
Rwpa:	J	Districtid:	199109JX
Previous w:	Not Reported	Latitude:	300051
Lat dec:	30.014166		
Longitude:	990737		
Long dec:	-99.126943		
Owner 1:	Richard Cremer	Owner 2:	Not Reported
Driller 1:	Edmonds Drilling Co.	Driller 2:	Not Reported
Source of :	1	Aquifer co:	219SLGH
Aquifer id:	28	Aquifer 1:	0
Aquifer 2:	0	Elev of ls:	1590
Meth of me:	M	User code :	0
Date drill:	08001979	Well type:	W
Well depth:	487	Source of1:	D
Type of li:	S	Type of po:	E
Horsepower:	Not Reported	Primary wa:	I
Second wat:	Not Reported	Tertia wat:	Not Reported
Water leve:	M	Water qual:	N
Well logs :	DE	Other data:	Not Reported
Date coll :	01281999	Reporting :	01
Well sched:	Y	Construct :	H
Completion:	P	Casing mat:	S
Screen mat:	S	Todays dat:	07/09/2008 00:00:00
User name:	dcoker	Site id:	TXWDB3000033448
State well number:	5663921	Group number:	1
C s o indicator:	C	Diameter csg scn:	7
Top depth:	0	Bottom depth:	500
State well number:	5663921	Group number:	2
C s o indicator:	S	Diameter csg scn:	5
Top depth:	493	Bottom depth:	680
State well number:	5663921	Pn well visit mark:	P
Depth from lsd:	-217	Mm date:	10
Dd date:	7	Yy date:	1993
Measurement number:	01	Measuring agency:	07
Method of meas:	7	Remark:	Not Reported
Date entered:	10/08/1998 00:00:00	User name:	Not Reported
State well number:	5663921	Pn well visit mark:	P
Depth from lsd:	-225	Mm date:	12
Dd date:	0	Yy date:	1979
Measurement number:	01	Measuring agency:	07
Method of meas:	7	Remark:	Not Reported
Date entered:	10/31/1996 00:00:00	User name:	Not Reported
State well number:	5663921	Group number:	1
Remarks 1:	Well reconditioned in 1993. Caved		
Remarks 2:	to 487 feet. Originally drilled to		
State well number:	5663921	Group number:	2
Remarks 1:	710 feet. Measured yield 100 GPM in		
Remarks 2:	1979. Measured yield 50 GPM in		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664703	Pn well visit mark:	P
Depth from lsd:	-138.7	Mm date:	3
Dd date:	16	Yy date:	1967
Measurement number:	01	Measuring agency:	04
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported

State well number:	5664703	Mm date:	9
Dd date:	12	Yydate:	1975
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	24	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	03
Collecting agency:	01	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	18	Q00910 flag:	Not Reported
Q00910 calcium mgl:	72	Q00920 flag:	Not Reported
Q00920 magnes mgl:	41	Q00929 flag:	Not Reported
Q00929 sodium mgl:	19	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	4.8
Q00440 bicarb mgl:	368.54	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	69	Q00940 flag:	Not Reported
Q00940 chloride mg:	12	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.4	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	8.4	Q70300 tds:	418
Q00415 flag:	Not Reported	Q00415 phen alk:	4
Q00410 flag:	Not Reported	Q00410 total alk:	310
Q00900 tot hardnes:	348	Q00932 percent na:	10
Q00931 sar:	.44	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	785
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664703	Mm date:	11
Dd date:	18	Yydate:	1969
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	69	Q00920 flag:	Not Reported
Q00920 magnes mgl:	44	Q00929 flag:	Not Reported
Q00929 sodium mgl:	17	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	362.44	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	77	Q00940 flag:	Not Reported
Q00940 chloride mg:	11	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.4	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.5	Q70300 tds:	398

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	297
Q00900 tot hardnes:	353	Q00932 percent na:	9
Q00931 sar:	.39	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	780
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664703	Group number:	1
Remarks 1:	Owner's Farm Well. Geophysical log		
Remarks 2:	Q-33. Originally drilled to 600		

State well number:	5664703	Group number:	2
Remarks 1:	feet and caved back to 457 feet.		
Remarks 2:	Pump set at 245 feet.		

**D20
ENE
1/2 - 1 Mile
Higher**

TX WELLS TXPLU1000019274

Plugtrackn:	5544	Dateentere:	03/15/2002 00:00:00
Ownname:	CITY OF KERRVILLE	Ownstreet:	800 JUNCTION HWY
Owncity:	KERRVILLE	Ownstate:	TX
Ownzip:	78028		
Wellstreet:	FARM WELL		
Wellcity:	KERRVILLE	Wellzip:	Not Reported
County:	Kerr	Latitude:	300104
Lat dec:	30.017777		
Longitude:	990623		
Long dec:	-99.106388		
Brmod:	Not Reported	Gn:	56647
Gn1:	56	Gn75:	64
Gn25:	7	Ownwellno:	Not Reported
Typewater:	1	Typemon:	0
Typeinj:	0	Typedw:	0
Histdrille:	Not Reported	Histdrilic:	Not Reported
Histdatedr:	02/07/2001 00:00:00	Histtracki:	Not Reported
Histdiamin:	5	Histdepth:	435
Plugdate:	11/30/2001 00:00:00		
Plugmethco:	ENTERED BY WLS		
Plugopname:	RICK PFEIFFER	Plugoplic:	50268
Plugmeth1:	0	Plugmeth2:	1
Plugmeth3:	0	Plugmeth4:	0
Plugmethot:	0	Plugvar:	Not Reported
Cdiam1:	5	Cfrom1:	0
Cto1:	427	Cdiam2:	Not Reported
Cfrom2:	Not Reported	Cto2:	Not Reported
Cdiam3:	Not Reported	Cfrom3:	Not Reported
Cto3:	Not Reported	Cbfrom1:	405
Cbto1:	14	Cbsacks1:	20 BBLs
Cbfrom2:	14	Cbto2:	0
Cbsacks2:	15	Cbfrom3:	Not Reported
Cbto3:	Not Reported	Cbsacks3:	Not Reported
Cbfrom4:	Not Reported	Cbto4:	Not Reported
Cbsacks4:	Not Reported	Cbfrom5:	Not Reported
Cbto5:	Not Reported	Cbsacks5:	Not Reported
Compname:	ODESSA PUMP	Compstreet:	28855 I-10 WEST
Compcity:	BOERNE	Compstate:	TX
Compzip:	78006	Nameassig:	RICK PFEIFFER
Traineenam:	Not Reported	Tnum:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site id: TXPLU1000019274

**C21
ESE
1/2 - 1 Mile
Higher**

TX WELLS TXEQ20000007617

Pws id: 1330016
 Fips count: 265
 Latitude: 300033.23
 Longitude: 990621.02
 Location a: G
 Location m: GIS-M3
 Spatial re: C
 Horizont 2: S
 Elevation : D
 Location d: 12/11/2006 00:00:00
 Elevatio 1: TCEQ
 Latdd: 30.0092305556
 Longdd: -99.1058388889
 Gps certif: 99999999
 Last chang: 12/11/2006 00:00:00
 Remarks: SEE DOQQ
 Site id: TXEQ20000007617

Water sour: G1330016B
 Quadrangle: 3099-111

 Agency: TCEQ
 Horizontal: 83
 Horizont 1: J
 Elevation: 1621
 Vertical d: 29
 Elevation1: 04/24/2008 00:00:00
 Elevatio 2: G

 Need bette: Yes
 Initials: JEM

Pws id: 1330016
 Well depth: 510
 Depth source: D
 Aquifer id: 37
 Aquifer name: TRINITY MIDDLE
 Aquifer method: S
 Drill date: 19881211
 Initials: JEM
 Remarks: N/A

Water source: G1330016B
 Depth agency: DRILL
 Aquifer: 218HNSL

 Aquifer type: 2
 Last change: 12/11/2006 00:00:00

Pws id: 1330016
 Fips county code: 265
 Latitude: 300033.23
 Longitude: 990621.02
 Location accuracy: G
 Location method: GIS-M3
 Spatial reference code: C
 Horizontal reference: S
 Elevation method: D
 Location date: 12/11/2006 00:00:00
 Elevation agency: TCEQ
 Latdd: 30.009230555556
 Longdd: 99.105838888889
 Gps certification number: 99999999
 Last change: 12/11/2006 00:00:00
 Remarks: SEE DOQQ

Water source: G1330016B
 Quadrangle number: 3099-111

 Agency: TCEQ
 Horizontal datum: 83
 Horizontal accuracy: J
 Elevation: 1621
 Vertical datum: 29
 Elevation date: 04/24/2008 00:00:00
 Elevation accuracy: G

 Need better location: Yes
 Initials: JEM

Pws id: 1330016
 Date: 19570000
 Agency: Not Reported
 Remarks: Not Reported

Water source: G1330016B
 Depth from land surface: -135.0
 Measuring method: R

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pws id:	1330016	Water source:	G1330016B
Record number:	1	Well interval:	ANNULAR CEMENT
Top depth:	0	Bottom depth:	323
Depth positive:	Not Reported	Diameter:	10.625
Opening type:	Not Reported	Casing material:	Not Reported
Opening material:	Not Reported	Opening length:	Not Reported
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	JEM	Last change:	12/11/2006 00:00:00
Pws id:	1330016	Water source:	G1330016B
Record number:	2	Well interval:	CASING
Top depth:	0	Bottom depth:	323
Depth positive:	Not Reported	Diameter:	8.625
Opening type:	Not Reported	Casing material:	S
Opening material:	Not Reported	Opening length:	Not Reported
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	JEM	Last change:	12/11/2006 00:00:00
Pws id:	1330016	Water source:	G1330016B
Record number:	3	Well interval:	CASING
Top depth:	297	Bottom depth:	460
Depth positive:	Not Reported	Diameter:	7
Opening type:	Not Reported	Casing material:	S
Opening material:	Not Reported	Opening length:	Not Reported
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	JEM	Last change:	12/11/2006 00:00:00
Pws id:	1330016	Water source:	G1330016B
Record number:	4	Well interval:	WELL OPENINGS
Top depth:	460	Bottom depth:	510
Depth positive:	Not Reported	Diameter:	7
Opening type:	O	Casing material:	Not Reported
Opening material:	S	Opening length:	Not Reported
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	JEM	Last change:	12/11/2006 00:00:00
Pws id:	1330016	Water source:	G1330016B
Record number:	1	Top depth:	0
Bottom depth:	28	Thickness:	28
Geologic description:	CALICHE	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	JEM
Last change:	12/11/2006 00:00:00		
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016B
Record number:	2	Top depth:	28
Bottom depth:	260	Thickness:	232
Geologic description:	BLUE SH	Geologic correction:	SHALE
Source geologic data:	7	Initials:	JEM
Last change:	12/11/2006 00:00:00		
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016B
Record number:	3	Top depth:	260
Bottom depth:	295	Thickness:	35
Geologic description:	BRN SD	Geologic correction:	BROWN SAND
Source geologic data:	7	Initials:	JEM
Last change:	12/11/2006 00:00:00		
Remarks:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pws id:	1330016	Water source:	G1330016B
Record number:	4	Top depth:	295
Bottom depth:	310	Thickness:	15
Geologic description:	RED SD	Geologic correction:	RED SAND
Source geologic data:	7	Initials:	JEM
Last change:	12/11/2006 00:00:00		
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016B
Record number:	5	Top depth:	310
Bottom depth:	395	Thickness:	85
Geologic description:	WHT LM W. SD STKS	Geologic correction:	WHITE LIME WITH SAND STREAKS
Source geologic data:	7	Initials:	JEM
Last change:	12/11/2006 00:00:00		
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016B
Record number:	6	Top depth:	395
Bottom depth:	443	Thickness:	48
Geologic description:	RED SD W. LM STKS	Geologic correction:	RED SAND WITH LIME STREAKS
Source geologic data:	7	Initials:	JEM
Last change:	12/11/2006 00:00:00		
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016B
Record number:	7	Top depth:	443
Bottom depth:	455	Thickness:	12
Geologic description:	BRN SD	Geologic correction:	BROWN SAND
Source geologic data:	7	Initials:	JEM
Last change:	12/11/2006 00:00:00		
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016B
Record number:	8	Top depth:	455
Bottom depth:	482	Thickness:	27
Geologic description:	RED W/ LM STKS	Geologic correction:	RED SAND? WITH LIME STREAKS
Source geologic data:	7	Initials:	JEM
Last change:	12/11/2006 00:00:00		
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016B
Record number:	9	Top depth:	482
Bottom depth:	495	Thickness:	13
Geologic description:	BRN SD	Geologic correction:	BROWN SAND
Source geologic data:	7	Initials:	JEM
Last change:	12/11/2006 00:00:00		
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016B
Record number:	10	Top depth:	495
Bottom depth:	506	Thickness:	11
Geologic description:	GRY SD	Geologic correction:	GRAY SAND
Source geologic data:	7	Initials:	JEM
Last change:	12/11/2006 00:00:00		
Remarks:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pws id:	1330016	Water source:	G1330016B
Record number:	11	Top depth:	506
Bottom depth:	510	Thickness:	4
Geologic description:	GRY SH	Geologic correction:	GRAY SHALE
Source geologic data:	7	Initials:	JEM
Last change:	12/11/2006 00:00:00		
Remarks:	Not Reported		

**C22
ESE
1/2 - 1 Mile
Higher**

TX WELLS TXEQ20000007613

Pws id:	1330016	Water sour:	G1330016A
Fips count:	265	Quadrangle:	3099-111
Latitude:	300031.13		
Longitude:	990620.13		
Location a:	G	Agency:	TCEQ
Location m:	GIS-M3	Horizontal:	83
Spatial re:	C	Horizont 1:	J
Horizont 2:	S	Elevation:	1625
Elevation :	D	Vertical d:	29
Location d:	12/11/2006 00:00:00	Elevation1:	04/24/2008 00:00:00
Elevatio 1:	TCEQ	Elevatio 2:	G
Latdd:	30.0086472222		
Longdd:	-99.1055916667		
Gps certif:	99999999	Need bette:	Yes
Last chang:	12/11/2006 00:00:00	Initials:	JEM
Remarks:	SEE DOQQ		
Site id:	TXEQ20000007613		

Pws id:	1330016	Water source:	G1330016A
Well depth:	466	Depth agency:	DRILL
Depth source:	D	Aquifer:	218HNSL
Aquifer id:	37		
Aquifer name:	TRINITY MIDDLE		
Aquifer method:	S	Aquifer type:	2
Drill date:	19520000	Last change:	12/11/2006 00:00:00
Initials:	JEM		
Remarks:	N/A		

Pws id:	1330016	Water source:	G1330016A
Fips county code:	265	Quadrangle number:	3099-111
Latitude:	300031.13		
Longitude:	990620.13		
Location accuracy:	G	Agency:	TCEQ
Location method:	GIS-M3	Horizontal datum:	83
Spatial reference code:	C	Horizontal accuracy:	J
Horizontal reference:	S	Elevation:	1625
Elevation method:	D	Vertical datum:	29
Location date:	12/11/2006 00:00:00	Elevation date:	04/24/2008 00:00:00
Elevation agency:	TCEQ	Elevation accuracy:	G
Latdd:	30.0086472222222		
Longdd:	99.1055916666667		
Gps certification number:	99999999	Need better location:	Yes
Last change:	12/11/2006 00:00:00	Initials:	JEM
Remarks:	SEE DOQQ		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pws id:	1330016	Water source:	G1330016A
Date:	19520000	Depth from land surface:	-76.0
Agency:	UNK	Measuring method:	R
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016A
Date:	19750400	Depth from land surface:	-158.0
Agency:	UNK	Measuring method:	R
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016A
Record number:	1	Well interval:	ANNULAR CEMENT
Top depth:	0	Bottom depth:	443
Depth positive:	Not Reported	Diameter:	0
Opening type:	Not Reported	Casing material:	Not Reported
Opening material:	Not Reported	Opening length:	Not Reported
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	JEM	Last change:	12/11/2006 00:00:00
Pws id:	1330016	Water source:	G1330016A
Record number:	2	Well interval:	CASING
Top depth:	0	Bottom depth:	443
Depth positive:	Not Reported	Diameter:	7
Opening type:	Not Reported	Casing material:	U
Opening material:	Not Reported	Opening length:	Not Reported
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	JEM	Last change:	12/11/2006 00:00:00
Pws id:	1330016	Water source:	G1330016A
Record number:	3	Well interval:	WELL OPENINGS
Top depth:	443	Bottom depth:	466
Depth positive:	Not Reported	Diameter:	Not Reported
Opening type:	X	Casing material:	Not Reported
Opening material:	U	Opening length:	Not Reported
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	JEM	Last change:	12/11/2006 00:00:00
Pws id:	1330016	Water source:	G1330016A
Record number:	1	Top depth:	0
Bottom depth:	1	Thickness:	1
Geologic description:	TOP SOIL	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	JEM
Last change:	12/15/2006 00:00:00		
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016A
Record number:	2	Top depth:	1
Bottom depth:	3	Thickness:	2
Geologic description:	HARD ROCK	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	JEM
Last change:	12/15/2006 00:00:00		
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016A
Record number:	3	Top depth:	3
Bottom depth:	23	Thickness:	20
Geologic description:	CALICHIE	Geologic correction:	CALICHE
Source geologic data:	7	Initials:	JEM
Last change:	12/15/2006 00:00:00		
Remarks:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pws id:	1330016	Water source:	G1330016A
Record number:	4	Top depth:	23
Bottom depth:	30	Thickness:	7
Geologic description:	WHITE LIME	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	JEM
Last change:	12/15/2006 00:00:00		
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016A
Record number:	5	Top depth:	30
Bottom depth:	36	Thickness:	6
Geologic description:	BLUE LIME	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	JEM
Last change:	12/15/2006 00:00:00		
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016A
Record number:	6	Top depth:	36
Bottom depth:	41	Thickness:	5
Geologic description:	WHITE LIME	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	JEM
Last change:	12/15/2006 00:00:00		
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016A
Record number:	7	Top depth:	41
Bottom depth:	272	Thickness:	231
Geologic description:	BLUE (GLENROSE LIME) SANDY CLAY WITH HARD STRKS	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	JEM
Last change:	12/15/2006 00:00:00		
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016A
Record number:	8	Top depth:	272
Bottom depth:	365	Thickness:	93
Geologic description:	RIBBON SAND (BROWN, RED, WHITE & GRAY)	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	JEM
Last change:	12/15/2006 00:00:00		
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016A
Record number:	9	Top depth:	365
Bottom depth:	380	Thickness:	15
Geologic description:	HARD WHITE LIME	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	JEM
Last change:	12/15/2006 00:00:00		
Remarks:	Not Reported		
Pws id:	1330016	Water source:	G1330016A
Record number:	10	Top depth:	380
Bottom depth:	440	Thickness:	60
Geologic description:	TRINITY SAND (FINE RUNNING SAND) AND BROKEN LIME	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	JEM
Last change:	12/15/2006 00:00:00		
Remarks:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pws id:	1330016	Water source:	G1330016A
Record number:	11	Top depth:	440
Bottom depth:	446	Thickness:	6
Geologic description:	HARD WHITE LIME	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	JEM
Last change:	12/15/2006 00:00:00		
Remarks:	Not Reported		

Pws id:	1330016	Water source:	G1330016A
Record number:	12	Top depth:	446
Bottom depth:	460	Thickness:	14
Geologic description:	TRINITY SAND (PRODUCING WATER FROM ORDER)	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	JEM
Last change:	12/15/2006 00:00:00		
Remarks:	Not Reported		

Pws id:	1330016	Water source:	G1330016A
Record number:	13	Top depth:	460
Bottom depth:	466	Thickness:	6
Geologic description:	HARD WHITE LIME (BOTTOM OF CLIFF)	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	JEM
Last change:	12/15/2006 00:00:00		
Remarks:	Not Reported		

**E23
ESE
1/2 - 1 Mile
Higher**

TX WELLS TXWDB3000033305

State well:	5664707	County cod:	265
Basin:	18	Gma:	9
Rwpa:	J	Districtid:	199109JX
Previous w:	Not Reported	Latitude:	300031
Lat dec:	30.008611		
Longitude:	990619		
Long dec:	-99.105277		
Owner 1:	Texas Lions Camp	Owner 2:	#2 well
Driller 1:	Edmonds Drilling Co.	Driller 2:	Not Reported
Source of :	2	Aquifer co:	217HSTN
Aquifer id:	28	Aquifer 1:	0
Aquifer 2:	0	Elev of ls:	1620
Meth of me:	M	User code :	0
Date drill:	1957	Well type:	W
Well depth:	668	Source of1:	D
Type of li:	S	Type of po:	E
Horsepower:	15.00	Primary wa:	P
Second wat:	Not Reported	Tertia wat:	Not Reported
Water leve:	M	Water qual:	Y
Well logs :	D	Other data:	Not Reported
Date coll :	08201975	Reporting :	01
Well sched:	Y	Construct :	C
Completion:	P	Casing mat:	S
Screen mat:	Not Reported	Todays dat:	01/29/1999 00:00:00
User name:	Not Reported	Site id:	TXWDB3000033305

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664707	Group number:	1
C s o indicator:	C	Diameter csg scn:	9
Top depth:	0	Bottom depth:	548
State well number:	5664707	Group number:	2
C s o indicator:	S	Diameter csg scn:	7
Top depth:	548	Bottom depth:	668
State well number:	5664707	Mm date:	12
Dd date:	13	Yy date:	1965
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	80.
Plus minus:	Not Reported		
State well number:	5664707	Mm date:	12
Dd date:	13	Yy date:	1965
Sample number:	1	Storet code:	01055
Flag:	<	Const val:	50.
Plus minus:	Not Reported		
State well number:	5664707	Pn well visit mark:	P
Depth from lsd:	-135	Mm date:	0
Dd date:	0	Yy date:	1957
Measurement number:	01	Measuring agency:	Not Reported
Method of meas:	Not Reported	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664707	Mm date:	12
Dd date:	13	Yydate:	1965
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	62	Q00920 flag:	Not Reported
Q00920 magnes mgl:	38	Q00929 flag:	Not Reported
Q00929 sodium mgl:	27	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	377.09	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	32	Q00940 flag:	Not Reported
Q00940 chloride mg:	18	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.4	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.1	Q70300 tds:	364
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	309
Q00900 tot hardnes:	311	Q00932 percent na:	15
Q00931 sar:	.67	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	Not Reported
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664707	Group number:	1
Remarks 1:	Owner's #2 well. Reported yield 80		
Remarks 2:	GPM. Cemented from 0 to 548 feet.		

State well number:	5664707	Group number:	2
Remarks 1:	Reported yield 80 GPM.		
Remarks 2:	Not Reported		

**E24
ESE
1/2 - 1 Mile
Higher**

TX WELLS TXWDB3000033298

State well:	5664708	County cod:	265
Basin:	18	Gma:	9
Rwpa:	J	Districtid:	199109JX
Previous w:	Not Reported	Latitude:	300030
Lat dec:	30.008333		
Longitude:	990619		
Long dec:	-99.105277		
Owner 1:	Texas Lions Camp	Owner 2:	#1 well
Driller 1:	Cravens Drilling Co.	Driller 2:	Not Reported
Source of :	2	Aquifer co:	218HNSL
Aquifer id:	28	Aquifer 1:	0
Aquifer 2:	0	Elev of ls:	1620
Meth of me:	M	User code :	0
Date drill:	1952	Well type:	W
Well depth:	466	Source of1:	D
Type of li:	S	Type of po:	E
Horsepower:	10.00	Primary wa:	P
Second wat:	Not Reported	Tertia wat:	Not Reported
Water leve:	M	Water qual:	Y
Well logs :	D	Other data:	Not Reported
Date coll :	08201975	Reporting :	02
Well sched:	Y	Construct :	C
Completion:	X	Casing mat:	S
Screen mat:	Not Reported	Today's dat:	01/29/1999 00:00:00
User name:	Not Reported	Site id:	TXWDB3000033298

State well number:	5664708	Group number:	1
C s o indicator:	C	Diameter csg scn:	7
Top depth:	0	Bottom depth:	443

State well number:	5664708	Group number:	2
C s o indicator:	O	Diameter csg scn:	Not Reported
Top depth:	443	Bottom depth:	466

State well number:	5664708	Mm date:	12
Dd date:	13	Yy date:	1965
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	900.
Plus minus:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664708	Mm date:	12
Dd date:	13	Yy date:	1965
Sample number:	1	Storet code:	01055
Flag:	<	Const val:	50.
Plus minus:	Not Reported		
State well number:	5664708	Pn well visit mark:	P
Depth from lsd:	-76	Mm date:	0
Dd date:	0	Yy date:	1952
Measurement number:	01	Measuring agency:	Not Reported
Method of meas:	Not Reported	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664708	Pn well visit mark:	P
Depth from lsd:	-158	Mm date:	4
Dd date:	0	Yy date:	1975
Measurement number:	01	Measuring agency:	Not Reported
Method of meas:	Not Reported	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664708	Mm date:	12
Dd date:	13	Yy date:	1965
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	60	Q00920 flag:	Not Reported
Q00920 magnes mgl:	39	Q00929 flag:	Not Reported
Q00929 sodium mgl:	27	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	380.75	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	33	Q00940 flag:	Not Reported
Q00940 chloride mgl:	17	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.4	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.7	Q70300 tds:	365
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	312
Q00900 tot hardnes:	310	Q00932 percent na:	15
Q00931 sar:	.67	Q71860 rsc:	.04
Q00095 flag:	Not Reported	Q00095 spec cond:	Not Reported
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		
State well number:	5664708	Group number:	1
Remarks 1:	Owner's #1 well. Pump set at 225		
Remarks 2:	feet.		

25
South
1/2 - 1 Mile
Lower

TX WELLS TXWDB3000033161

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well:	5664706	County cod:	265
Basin:	18	Gma:	9
Rwpa:	J	Districtid:	199109JX
Previous w:	Not Reported	Latitude:	300009
Lat dec:	30.0025		
Longitude:	990650		
Long dec:	-99.113888		
Owner 1:	W.J. Cass	Owner 2:	Not Reported
Driller 1:	A. Smith	Driller 2:	Not Reported
Source of :	1	Aquifer co:	218GRHC
Aquifer id:	28	Aquifer 1:	0
Aquifer 2:	0	Elev of Is:	1585
Meth of me:	M	User code :	0
Date drill:	1956	Well type:	W
Well depth:	640	Source of1:	O
Type of li:	P	Type of po:	E
Horsepower:	3.00	Primary wa:	H
Second wat:	S	Tertia wat:	Not Reported
Water leve:	M	Water qual:	N
Well logs :	Not Reported	Other data:	Not Reported
Date coll :	08081966	Reporting :	02
Well sched:	Y	Construct :	C
Completion:	X	Casing mat:	S
Screen mat:	Not Reported	Todays dat:	01/29/1999 00:00:00
User name:	Not Reported	Site id:	TXWDB3000033161

State well number:	5664706	Group number:	1
C s o indicator:	C	Diameter csg scn:	7
Top depth:	0	Bottom depth:	550

State well number:	5664706	Group number:	2
C s o indicator:	O	Diameter csg scn:	Not Reported
Top depth:	550	Bottom depth:	640

State well number:	5664706	Pn well visit mark:	P
Depth from lsd:	-284.7	Mm date:	8
Dd date:	8	Yy date:	1966
Measurement number:	01	Measuring agency:	04
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported

26
NNE
1/2 - 1 Mile
Higher

TX WELLS TXMON1000048450

Trackno:	156341	Dateentere:	10/15/2008 00:00:00
Ownname:	City of Kerrville		
Ownstreet:	3315 Loop 534		
Owncity:	Kerrville	Ownstate:	TX
Ownzip:	78028	County:	Kerr
Wellstreet:	3315 Loop 534		
Wellcity:	Kerrville	Wellzip:	78028
Own:	P-8	Latitude:	300126
Lat dec:	30.023888		
Longitude:	990636		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Long dec:	-99.11			Brandmodel:	Garmin 3 Plus
Elev:	1625			Gn1:	56
Gn:	56647			Gn25:	7
Gn75:	64			Twd:	0
Twn:	1			Twrp:	0
Twr:	0			Um:	1
Twrg:	0			Ud:	0
Ue:	0			Uir:	0
Uin:	0			Uij:	0
Ug:	0			Udw:	0
Up:	0			Us:	0
Ut:	0			Pbn:	0
Pby:	0			Datecomp:	09/30/2008 00:00:00
Datestart:	09/30/2008 00:00:00			Dia1to:	19
Dia1:	8 1/4			Dia2from:	Not Reported
Dia2:	Not Reported			Dia3:	Not Reported
Dia2to:	Not Reported			Dia3to:	Not Reported
Dia3from:	Not Reported				
Lith log:	0-10 Silty clay, dark brown & black, hard. 10-12 Silty clay, tan, w/ ferrous stains. 12-15 Gravelly clay, tan to light brown, w/ ferrous stains, (wet). 15-17.5 Limestone, weathered, tan to light brown, hard. 17.5-19 Limestone, light grey to grey				
Dmdriven:	0			Dmairrotar:	0
Dmmudrotar:	0			Dmbored:	0
Dmairham:	0			Dmcabletoo:	0
Dmjetted:	0			Dmhollowst:	1
Dmrevcirc:	0			Dmotherck:	0
Dmother:	Not Reported			Bco:	0
Bcs:	0			Bcg:	1
Bcgs:	20/40			Bcu:	0
Bcoc:	0			Bcot:	Not Reported
Gpf:	11			Gpt:	19
Case Screen:	2	New	PVC Riser	0-13.5	Sch 40 2
	PVC Screen		13.5-18.5	0.010	New
Cemfrom1:	0			Cemto1:	3
Nosacks1:	1	Cemt		Cemfrom2:	3
Cemto2:	7			Nosacks2:	1 Bent
Cemfrom3:	7			Cemto3:	11
Nosacks3:	1	Chips		Cementmeth:	Tremie
Cementby:	Driller			Ds:	Not Reported
Dpl:	Not Reported			Dsv:	Not Reported
Appvar:	Not Reported			Scs:	1
Scsv:	0			Scp:	0
Sca:	0			Watlev:	Not Reported
Watlevdate:	07/01/2005 00:00:00			Artflow:	Not Reported
Packers:	Not Reported				
Wellplug48:	0				
Wptext:	Not Reported				
Tpturbine:	0			Tpjet:	0
Tpsubmersi:	0			Tpcylinder:	0
Tpotherc:	0			Tpoth:	Not Reported
Pumpbowld:	Not Reported			Wtpump:	0
Wtbailer:	0			Wtjetted:	0
Wtestimate:	0			Welltestyi:	Not Reported
Welltestdr:	Not Reported			Welltesthr:	Not Reported
Watqualund:	0			Watqualu 1:	1
Watertype:	Not Reported			Stratdepth:	Not Reported
Chemanaly:	0			Chemanaln:	1
Undnatural:	0			Untype:	Not Reported
Undhydro:	0			Undhaz:	0
Undootherck:	0				
Undoother:	Not Reported				
Undcertify:	0			Compname:	Hydrogeologic/Environmental Testing
Drillicno:	54882			Compstreet:	17226 East Highway 6

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Compcity:	Alvin	Compstate:	TX
Compzip:	77511	Drillernam:	Stefan Stamoulis
Traineenam:	Not Reported	Tnum:	Not Reported
Comments 1:	Not Reported		
Site id:	TXMON1000048450		

**27
NW
1/2 - 1 Mile
Higher**

TX WELLS TXWDB3000033616

State well:	5663909	County cod:	265
Basin:	18	Gma:	9
Rwpa:	J	Districtid:	199109JX
Previous w:	Not Reported	Latitude:	300113
Lat dec:	30.020277		
Longitude:	990741		
Long dec:	-99.128054	Owner 2:	#2 well
Owner 1:	Riverhill M. U. D.	Driller 2:	Not Reported
Driller 1:	Wright Drilling Co.	Aquifer co:	217HSTN
Source of :	1	Aquifer 1:	0
Aquifer id:	28	Elev of ls:	1615
Aquifer 2:	0	User code :	0
Meth of me:	M	Well type:	W
Date drill:	05191975	Source of1:	D
Well depth:	642	Type of po:	E
Type of li:	S	Primary wa:	P
Horsepower:	75.00	Tertia wat:	Not Reported
Second wat:	Not Reported	Water qual:	N
Water leve:	M	Other data:	AC
Well logs :	DE	Reporting :	01
Date coll :	01271999	Construct :	H
Well sched:	Y	Casing mat:	S
Completion:	P	Todays dat:	06/27/2008 00:00:00
Screen mat:	Not Reported	Site id:	TXWDB3000033616
User name:	bchristi		
State well number:	5663909	Group number:	1
C s o indicator:	C	Diameter csg scn:	11
Top depth:	0	Bottom depth:	551
State well number:	5663909	Group number:	2
C s o indicator:	C	Diameter csg scn:	9
Top depth:	541	Bottom depth:	551
State well number:	5663909	Group number:	3
C s o indicator:	S	Diameter csg scn:	9
Top depth:	551	Bottom depth:	632
State well number:	5663909	Group number:	4
C s o indicator:	C	Diameter csg scn:	9
Top depth:	632	Bottom depth:	642

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5663909	Pn well visit mark:	P
Depth from lsd:	-269	Mm date:	5
Dd date:	0	Yy date:	1975
Measurement number:	01	Measuring agency:	07
Method of meas:	7	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported

State well number:	5663909	Group number:	1
Remarks 1:	Owner's #2 well. Measured yield 450		
Remarks 2:	GPM with 205 feet drawdown after		

State well number:	5663909	Group number:	2
Remarks 1:	pumping 12.5 hours in 1975. Pump		
Remarks 2:	set at 531 feet. Cemented from 0 to		

State well number:	5663909	Group number:	3
Remarks 1:	551 feet. Specific capacity 2.12		
Remarks 2:	GPM/ft.		

**F28
NW
1/2 - 1 Mile
Higher**

TX WELLS TXEQ20000007778

Pws id:	1330001	Water sour:	G1330001G
Fips count:	265	Quadrangle:	3099-112
Latitude:	300126.625		
Longitude:	990730.5		
Location a:	U	Agency:	TCEQ
Location m:	GPS-S	Horizontal:	83
Spatial re:	T	Horizont 1:	I
Horizont 2:	S	Elevation:	1603
Elevation :	D	Vertical d:	29
Location d:	01/01/1901 00:00:00	Elevation1:	04/24/2008 00:00:00
Elevatio 1:	TCEQ	Elevatio 2:	G
Latdd:	30.0240593		
Longdd:	-99.12513733		
Gps certif:	02091906	Need bette:	No
Last chang:	01/08/2008 00:00:00	Initials:	GST
Remarks:	Not Reported		
Site id:	TXEQ20000007778		

Pws id:	1330001	Water source:	G1330001G
Well depth:	638	Depth agency:	DRILL
Depth source:	D	Aquifer:	217HSTN
Aquifer id:	38		
Aquifer name:	TRINITY LOWER		
Aquifer method:	S	Aquifer type:	Not Reported
Drill date:	19630607	Last change:	09/02/1999 00:00:00
Initials:	Not Reported		
Remarks:	Not Reported		

Pws id:	1330001	Water source:	G1330001G
Fips county code:	265	Quadrangle number:	3099-112
Latitude:	300126.625		
Longitude:	990730.5		
Location accuracy:	U	Agency:	TCEQ
Location method:	GPS-S	Horizontal datum:	83
Spatial reference code:	T	Horizontal accuracy:	I
Horizontal reference:	S	Elevation:	1603
Elevation method:	D	Vertical datum:	29
Location date:	01/01/1901 00:00:00	Elevation date:	04/24/2008 00:00:00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elevation agency:	TCEQ	Elevation accuracy:	G
Latdd:	30.0240593		
Longdd:	99.12513733		
Gps certification number:	02091906	Need better location:	No
Last change:	01/08/2008 00:00:00	Initials:	GST
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19660323	Depth from land surface:	-171.52
Agency:	USGS	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19660621	Depth from land surface:	-194.74
Agency:	USGS	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19700329	Depth from land surface:	-207.0
Agency:	UNK	Measuring method:	R
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19710110	Depth from land surface:	-244.0
Agency:	UNK	Measuring method:	R
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19731025	Depth from land surface:	-250.0
Agency:	UNK	Measuring method:	R
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19740522	Depth from land surface:	-265.44
Agency:	TWDB	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19760312	Depth from land surface:	-269.85
Agency:	TWDB	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19790501	Depth from land surface:	-345.0
Agency:	PWS	Measuring method:	A
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19810410	Depth from land surface:	-346.16
Agency:	TWDB	Measuring method:	S
Remarks:	22		
Pws id:	1330001	Water source:	G1330001G
Date:	19821004	Depth from land surface:	-380.0
Agency:	TWDB	Measuring method:	A
Remarks:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pws id:	1330001	Water source:	G1330001G
Date:	19840229	Depth from land surface:	-382.0
Agency:	TWDB	Measuring method:	A
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19841004	Depth from land surface:	-386.0
Agency:	TWDB	Measuring method:	A
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19871028	Depth from land surface:	-117.75
Agency:	TWDB	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19890316	Depth from land surface:	-120.26
Agency:	TWDB	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19891027	Depth from land surface:	-178.16
Agency:	TWDB	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19901115	Depth from land surface:	-141.27
Agency:	TWDB	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19911111	Depth from land surface:	-148.14
Agency:	TWDB	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19921207	Depth from land surface:	-130.12
Agency:	TWDB	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19940331	Depth from land surface:	-127.63
Agency:	TWDB	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19950123	Depth from land surface:	-135.85
Agency:	TWDB	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19960221	Depth from land surface:	-146.1
Agency:	TWDB	Measuring method:	S
Remarks:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pws id:	1330001	Water source:	G1330001G
Date:	19960617	Depth from land surface:	-93.8
Agency:	UWCD	Measuring method:	T
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19960717	Depth from land surface:	-204.0
Agency:	UWCD	Measuring method:	T
Remarks:	02		
Pws id:	1330001	Water source:	G1330001G
Date:	19960725	Depth from land surface:	-277.25
Agency:	TWDB	Measuring method:	S
Remarks:	04		
Pws id:	1330001	Water source:	G1330001G
Date:	19960815	Depth from land surface:	-205.0
Agency:	UWCD	Measuring method:	T
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19960918	Depth from land surface:	-222.3
Agency:	TWDB	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19961015	Depth from land surface:	-101.8
Agency:	UWCD	Measuring method:	T
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19961216	Depth from land surface:	-100.3
Agency:	UWCD	Measuring method:	T
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19970117	Depth from land surface:	-99.5
Agency:	UWCD	Measuring method:	T
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19970123	Depth from land surface:	-163.8
Agency:	TWDB	Measuring method:	S
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Date:	19970200	Depth from land surface:	-170.0
Agency:	PWS	Measuring method:	A
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Record number:	1	Well interval:	ANNULAR CEMENT
Top depth:	0	Bottom depth:	528
Depth positive:	Not Reported	Diameter:	0
Opening type:	Not Reported	Casing material:	Not Reported
Opening material:	Not Reported	Opening length:	Not Reported
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	Not Reported	Last change:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pws id:	1330001	Water source:	G1330001G
Record number:	2	Well interval:	CASING
Top depth:	0	Bottom depth:	528
Depth positive:	Not Reported	Diameter:	12
Opening type:	Not Reported	Casing material:	U
Opening material:	Not Reported	Opening length:	Not Reported
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	Not Reported	Last change:	Not Reported
Pws id:	1330001	Water source:	G1330001G
Record number:	3	Well interval:	WELL OPENINGS
Top depth:	528	Bottom depth:	638
Depth positive:	Not Reported	Diameter:	13
Opening type:	X	Casing material:	Not Reported
Opening material:	U	Opening length:	110
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	Not Reported	Last change:	Not Reported
Pws id:	1330001	Water source:	G1330001G
Record number:	1	Top depth:	0
Bottom depth:	5	Thickness:	5
Geologic description:	SOIL	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	Not Reported
Last change:	Not Reported		
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Record number:	2	Top depth:	5
Bottom depth:	24	Thickness:	19
Geologic description:	CLAY & GRAVEL	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	Not Reported
Last change:	Not Reported		
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Record number:	3	Top depth:	24
Bottom depth:	39	Thickness:	15
Geologic description:	RIVER GRAVEL LOOSE	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	Not Reported
Last change:	Not Reported		
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Record number:	4	Top depth:	39
Bottom depth:	324	Thickness:	285
Geologic description:	BLUE LIME	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	Not Reported
Last change:	Not Reported		
Remarks:	Not Reported		
Pws id:	1330001	Water source:	G1330001G
Record number:	5	Top depth:	324
Bottom depth:	355	Thickness:	31
Geologic description:	GREY LIME	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	Not Reported
Last change:	Not Reported		
Remarks:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pws id:	1330001	Water source:	G1330001G
Record number:	6	Top depth:	355
Bottom depth:	425	Thickness:	70
Geologic description:	GREY LIME W/RED STRKS	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	Not Reported
Last change:	Not Reported		
Remarks:	Not Reported		

Pws id:	1330001	Water source:	G1330001G
Record number:	7	Top depth:	425
Bottom depth:	490	Thickness:	65
Geologic description:	GREY LIME	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	Not Reported
Last change:	Not Reported		
Remarks:	Not Reported		

Pws id:	1330001	Water source:	G1330001G
Record number:	8	Top depth:	490
Bottom depth:	520	Thickness:	30
Geologic description:	RED CLAY & LIME	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	Not Reported
Last change:	Not Reported		
Remarks:	Not Reported		

Pws id:	1330001	Water source:	G1330001G
Record number:	9	Top depth:	520
Bottom depth:	602	Thickness:	82
Geologic description:	TRINITY SAND	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	Not Reported
Last change:	Not Reported		
Remarks:	Not Reported		

Pws id:	1330001	Water source:	G1330001G
Record number:	10	Top depth:	602
Bottom depth:	638	Thickness:	36
Geologic description:	BLACK LIME	Geologic correction:	Not Reported
Source geologic data:	7	Initials:	Not Reported
Last change:	Not Reported		
Remarks:	Not Reported		

**F29
NW
1/2 - 1 Mile
Lower**

TX WELLS TXWDB3000033730

State well:	5664701	County cod:	265
Basin:	18	Gma:	9
Rwpa:	J	Districtid:	199109JX
Previous w:	11 Q-32	Latitude:	300127
Lat dec:	30.024166		
Longitude:	990730		
Long dec:	-99.124999		
Owner 1:	City of Kerrville	Owner 2:	Meadowview Well #11
Driller 1:	J.R. Johnson	Driller 2:	DrIg
Source of :	0	Aquifer co:	217HSTN

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer id:	28	Aquifer 1:	0
Aquifer 2:	0	Elev of ls:	1600
Meth of me:	M	User code :	465000
Date drill:	06071963	Well type:	W
Well depth:	638	Source of1:	D
Type of li:	T	Type of po:	E
Horsepower:	150.00	Primary wa:	P
Second wat:	Not Reported	Tertia wat:	Not Reported
Water leve:	H	Water qual:	Y
Well logs :	DSC	Other data:	C
Date coll :	02112000	Reporting :	01
Well sched:	Y	Construct :	H
Completion:	X	Casing mat:	S
Screen mat:	Not Reported	Today's dat:	03/25/2008 00:00:00
User name:	banderso	Site id:	TXWDB3000033730
State well number:	5664701	Group number:	1
C s o indicator:	C	Diameter csg scn:	12
Top depth:	0	Bottom depth:	528
State well number:	5664701	Group number:	2
C s o indicator:	O	Diameter csg scn:	13
Top depth:	528	Bottom depth:	638
State well number:	5664701	Mm date:	9
Dd date:	26	Yy date:	1972
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	1680.
Plus minus:	Not Reported		
State well number:	5664701	Mm date:	9
Dd date:	26	Yy date:	1972
Sample number:	1	Storet code:	01055
Flag:	<	Const val:	50.
Plus minus:	Not Reported		
State well number:	5664701	Mm date:	10
Dd date:	25	Yy date:	1973
Sample number:	1	Storet code:	01045
Flag:	Not Reported	Const val:	130.
Plus minus:	Not Reported		
State well number:	5664701	Mm date:	10
Dd date:	25	Yy date:	1973
Sample number:	1	Storet code:	01055
Flag:	<	Const val:	50.
Plus minus:	Not Reported		
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-244	Mm date:	1
Dd date:	10	Yy date:	1971
Measurement number:	01	Measuring agency:	Not Reported
Method of meas:	Not Reported	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-99.5	Mm date:	1
Dd date:	17	Yy date:	1997
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	01/31/1997 00:00:00	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-135.8	Mm date:	1
Dd date:	23	Yy date:	1995
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	02/07/1995 00:00:00	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-163.8	Mm date:	1
Dd date:	23	Yy date:	1997
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	01/31/1997 00:00:00	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-170	Mm date:	2
Dd date:	0	Yy date:	1997
Measurement number:	01	Measuring agency:	08
Method of meas:	3	Remark:	Not Reported
Date entered:	09/02/1997 00:00:00	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	N
Depth from lsd:	Not Reported	Mm date:	2
Dd date:	8	Yy date:	1999
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	41
Date entered:	02/12/1999 00:00:00	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	N
Depth from lsd:	Not Reported	Mm date:	2
Dd date:	11	Yy date:	2000
Measurement number:	01	Measuring agency:	01
Method of meas:	Not Reported	Remark:	42
Date entered:	02/25/2000 00:00:00	User name:	gfrankli
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-146.1	Mm date:	2
Dd date:	21	Yy date:	1996
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	02/28/1996 00:00:00	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-382	Mm date:	2
Dd date:	29	Yy date:	1984
Measurement number:	01	Measuring agency:	01
Method of meas:	3	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-269.8	Mm date:	3
Dd date:	12	Yy date:	1976
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	N
Depth from lsd:	Not Reported	Mm date:	3
Dd date:	13	Yy date:	1978
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	44
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-120.2	Mm date:	3
Dd date:	16	Yy date:	1989
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-171.5	Mm date:	3
Dd date:	23	Yy date:	1966
Measurement number:	01	Measuring agency:	04
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-207	Mm date:	3
Dd date:	29	Yy date:	1970
Measurement number:	01	Measuring agency:	Not Reported
Method of meas:	Not Reported	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-127.6	Mm date:	3
Dd date:	31	Yy date:	1994
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	04/04/1994 00:00:00	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-346.1	Mm date:	4
Dd date:	10	Yy date:	1981
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	22
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-345	Mm date:	5
Dd date:	1	Yy date:	1979
Measurement number:	01	Measuring agency:	08
Method of meas:	3	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664701	Pn well visit mark:	N
Depth from lsd:	Not Reported	Mm date:	5
Dd date:	19	Yy date:	1977
Measurement number:	01	Measuring agency:	01
Method of meas:	Not Reported	Remark:	41
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-265.4	Mm date:	5
Dd date:	22	Yy date:	1974
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-93.8	Mm date:	6
Dd date:	17	Yy date:	1996
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	01/31/1997 00:00:00	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-194.7	Mm date:	6
Dd date:	21	Yy date:	1966
Measurement number:	01	Measuring agency:	04
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-204	Mm date:	7
Dd date:	17	Yy date:	1996
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	02
Date entered:	01/31/1997 00:00:00	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	N
Depth from lsd:	Not Reported	Mm date:	7
Dd date:	24	Yy date:	1997
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	47
Date entered:	08/04/1997 00:00:00	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-277.2	Mm date:	7
Dd date:	25	Yy date:	1996
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	04
Date entered:	08/09/1996 00:00:00	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-158	Mm date:	8
Dd date:	15	Yy date:	1996
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	01/31/1997 00:00:00	User name:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-205	Mm date:	8
Dd date:	15	Yy date:	1996
Measurement number:	02	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	01/31/1997 00:00:00	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-222.3	Mm date:	9
Dd date:	18	Yy date:	1996
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	12/31/1996 00:00:00	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-103.5	Mm date:	9
Dd date:	18	Yy date:	1996
Measurement number:	02	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	01/31/1997 00:00:00	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-380	Mm date:	10
Dd date:	4	Yy date:	1982
Measurement number:	01	Measuring agency:	01
Method of meas:	3	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-386	Mm date:	10
Dd date:	4	Yy date:	1984
Measurement number:	01	Measuring agency:	01
Method of meas:	3	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	N
Depth from lsd:	Not Reported	Mm date:	10
Dd date:	15	Yy date:	1985
Measurement number:	01	Measuring agency:	01
Method of meas:	Not Reported	Remark:	41
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-101.8	Mm date:	10
Dd date:	15	Yy date:	1996
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	01/31/1997 00:00:00	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-250	Mm date:	10
Dd date:	25	Yy date:	1973
Measurement number:	01	Measuring agency:	Not Reported
Method of meas:	Not Reported	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-178.1	Mm date:	10
Dd date:	27	Yy date:	1989
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-117.7	Mm date:	10
Dd date:	28	Yy date:	1987
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	N
Depth from lsd:	Not Reported	Mm date:	11
Dd date:	3	Yy date:	1986
Measurement number:	01	Measuring agency:	01
Method of meas:	Not Reported	Remark:	41
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-148.1	Mm date:	11
Dd date:	11	Yy date:	1991
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-141.2	Mm date:	11
Dd date:	15	Yy date:	1990
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-130.1	Mm date:	12
Dd date:	7	Yy date:	1992
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	N
Depth from lsd:	Not Reported	Mm date:	12
Dd date:	9	Yy date:	1974
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	47
Date entered:	Not Reported	User name:	Not Reported
State well number:	5664701	Pn well visit mark:	P
Depth from lsd:	-100.3	Mm date:	12
Dd date:	16	Yy date:	1996
Measurement number:	01	Measuring agency:	06
Method of meas:	2	Remark:	Not Reported
Date entered:	01/31/1997 00:00:00	User name:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664701	Mm date:	9
Dd date:	26	Yydate:	1972
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	68	Q00920 flag:	Not Reported
Q00920 magnes mgl:	47	Q00929 flag:	Not Reported
Q00929 sodium mgl:	22	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	394.17	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	40	Q00940 flag:	Not Reported
Q00940 chloride mgl:	37	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.1	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.2	Q70300 tds:	409
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	323
Q00900 tot hardnes:	363	Q00932 percent na:	11
Q00931 sar:	.5	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	820
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

State well number:	5664701	Mm date:	10
Dd date:	25	Yydate:	1973
Sample number:	1	Sample time:	Not Reported
Temp centigrade:	Not Reported	Top s interval:	Not Reported
Bottom s interval:	Not Reported	Samp int aqcode:	Not Reported
Collection remarks:	Not Reported	Reliability rem:	Not Reported
Collecting agency:	02	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	Not Reported	Q00910 flag:	Not Reported
Q00910 calcium mgl:	70	Q00920 flag:	Not Reported
Q00920 magnes mgl:	45	Q00929 flag:	Not Reported
Q00929 sodium mgl:	23	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	388.07	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	44	Q00940 flag:	Not Reported
Q00940 chloride mg:	45	Q00951 flag:	Not Reported
Q00951 fluoride mg:	1.2	Q71850 flag:	<
Q71850 nitrate mgl:	.4	Q00403 flag:	Not Reported
Q00403 ph:	7.7	Q70300 tds:	419
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	318
Q00900 tot hardnes:	359	Q00932 percent na:	12
Q00931 sar:	.53	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	828
Date entered:	Not Reported	User name:	rmohr
Bu value:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State well number:	5664701	Group number:	1
Remarks 1:	Owners #11 well. Measured yield		
Remarks 2:	1000 GPM with 97 feet drawdown		
State well number:	5664701	Group number:	2
Remarks 1:	after pumping 33 hours in 1963.		
Remarks 2:	Pump set at 450 feet. Cemented from		
State well number:	5664701	Group number:	3
Remarks 1:	0 to 528 feet. Specific capacity		
Remarks 2:	10.31 GPM/ft. Geophysical log Q-32.		

**G30
West
1/2 - 1 Mile
Higher**

TX WELLS TXMON1000047916

Trackno:	21642	Dateentere:	06/15/2003 00:00:00
Ownname:	WILSON, DAVID		
Ownstreet:	105 BRAEBURN CIRCLE		
Owncity:	KERRVILLE	Ownstate:	TX
Ownzip:	78028	County:	Kerr
Wellstreet:	105 BRAEBURN CIRCLE		
Wellcity:	KERRVILLE	Wellzip:	78028
Own:	Not Reported	Latitude:	300040
Lat dec:	30.011111		
Longitude:	990753		
Long dec:	-99.131388		
Elev:	0	Brandmodel:	MAGELLAN GPS 315
Gn:	56639	Gn1:	56
Gn75:	63	Gn25:	9
Twn:	1	Twd:	0
Twr:	0	Twrp:	0
Twrg:	0	Um:	0
Ue:	0	Ud:	1
Uin:	0	Uir:	0
Ug:	0	Uij:	0
Up:	0	Udw:	0
Ut:	0	Us:	0
Pby:	0	Pbn:	0
Datestart:	03/26/2003 00:00:00	Datecomp:	04/03/2003 00:00:00
Dia1:	7 7/8	Dia1to:	380
Dia2:	4 3/4	Dia2from:	380
Dia2to:	440	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Lith log:	0 - 1 Topsoil 1 - 34 Caliche 34 - 330 Blue shale 330 - 355 Dark gray shale & sand 355 - 370 Pink sand 370 - 440 White limestone, few streaks yellow sand		
Dmdriven:	0	Dmairrotar:	1
Dmmudrotar:	0	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	1
Bcs:	1	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	0	Bcot:	Not Reported
Gpf:	Not Reported	Gpt:	Not Reported
Case Screen:	5 9/16 N Steel		0 - 380

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Cemfrom1:	0	Cemto1:	380
Nosacks1:	35	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	PRESSURE
Cementby:	DRILLER	Ds:	150+
Dpl:	Not Reported	Dsv:	TAPE
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	1	Watlev:	258
Watlevdate:	04/05/2003 00:00:00	Artflow:	Not Reported
Packers:	Not Reported		
Wellplug48:	0		
Wptext:	Not Reported		
Tpturbine:	0	Tpjet:	0
Tpsubmersi:	0	Tpcylinder:	0
Tpothcrck:	0	Tpothcr:	Not Reported
Pumpbowlde:	Not Reported	Wtpump:	0
Wtbailer:	0	Wtjetted:	0
Wtestimate:	1	Welltestyi:	25
Welltestdr:	0	Welltesthr:	1
Watqualund:	0	Watqualu 1:	1
Watertype:	Not Reported	Stratdepth:	Not Reported
Chemanaly:	0	Chemanaln:	1
Undnatural:	0	Untype:	Not Reported
Undhydro:	0	Undhaz:	0
Undotherck:	0		
Undother:	Not Reported		
Undcertify:	0	Compname:	PHELPS DRILLING LLC
Drillico:	50237	Compstreet:	P. O. BOX 688
Compcity:	INGRAM	Compstate:	TX
Compzip:	78025	Drillernam:	RUSSELL BAKER
Traineenam:	Not Reported	Tnum:	Not Reported
Comments 1:	Not Reported		
Site id:	TXMON1000047916		

G31
West
1/2 - 1 Mile
Higher

TX WELLS TXD1011282

Rec id:	27570	Owner well #:	No Data
Owner:	WILSON, DAVID	City state zip:	KERRVILLE ,TX78028
Owner Address:	105 BRAEBURN CIRCLE		
Grid:	56-63-9		
Well address:	105 BRAEBURN CIRCLE		
Well city state:	KERRVILLE ,TX78028	Latitude:	30° 00 40N
Well county:	Kerr	Longitude:	099° 07 53 W
Elevation:	No Data	Gps brand:	MAGELLAN GPS 315
Type of work:	New Well	Use:	Domestic
Spud date:	3/26/2003	Completed date:	4/3/2003
Diameter:	7 7/8 in From Surface To 380 ft		
Drilling method:	Air Rotary		
Borehole Completed:	Open Hole		
Gravel Packed from:	Not Reported		
Pack size:	Not Reported		
1st interval:	From 0 ft to 380 ft with 35 (#sacks and material)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

2nd interval:	No Data		
3rd interval:	No Data		
Cement method:	PRESSURE	Cemented by:	DRILLER
Distance to septic:	150+ ft	Dist. to property line:	No Data
Verify method:	TAPE	Variance:	No Data
Surface completion:	Alternative Procedure Used	Static level:	258 ft. below land surface on 4/5/2003
Flow:	No Data		
Packers:	No Data		
Cement left in well:	No Data	Pump type:	No Data
Pumpbowl depth:	Not Reported	Well tests:	Estimated
Yield:	25 GPM with 0 ft drawdown after 1 hour		
Water quality:	No Data		
Strata depth:	No Data		
Chem. analysis:	No	Undesirable:	No
Certification:	The driller certified that the driller drilled this well (or the well was drilled under the drillers direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required		
Company name:	PHELPS DRILLING LLC		
Company address:	P. O. BOX 688		
City state:	INGRAM, TX 78025	Driller license #:	50237
Driller Signature:	RUSSELL BAKER	Apprentice signature:	No Data
Apprentice Reg. #:	No Data		
Comments:	No Data		
Description:	0 - 1 Topsoil 1 - 34 Caliche 34 - 330 Blue shale 330 - 355 Dark gray shale & sand 355 - 370 Pink sand 370 - 440 White limestone, few streaks yellow sand		
Setting:	5 9/16 N Steel		0 - 380
Old id :	443		

**32
WNW
1/2 - 1 Mile
Higher**

TX WELLS TXWDB3000033645

State well:	5663906	County cod:	265
Basin:	18	Gma:	9
Rwpa:	J	Districtid:	199109JX
Previous w:	Q-26	Latitude:	300116
Lat dec:	30.02111		
Longitude:	990747		
Long dec:	-99.129721		
Owner 1:	Riverhill M.U.D.	Owner 2:	J. Weatherby
Driller 1:	Edmunds Drilling Co.	Driller 2:	Not Reported
Source of :	1	Aquifer co:	219SLGH
Aquifer id:	28	Aquifer 1:	0
Aquifer 2:	0	Elev of ls:	1610
Meth of me:	M	User code :	0
Date drill:	06111964	Well type:	W
Well depth:	631	Source of1:	L
Type of li:	S	Type of po:	E
Horsepower:	5.00	Primary wa:	P
Second wat:	Not Reported	Tertia wat:	Not Reported
Water leve:	M	Water qual:	N
Well logs :	E	Other data:	A

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Date coll :	04121976	Reporting :	01
Well sched:	Y	Construct :	A
Completion:	P	Casing mat:	S
Screen mat:	Not Reported	Todays dat:	07/21/2005 00:00:00
User name:	bchristi	Site id:	TXWDB3000033645
State well number:	5663906	Group number:	1
C s o indicator:	C	Diameter csg scn:	8
Top depth:	0	Bottom depth:	545
State well number:	5663906	Group number:	2
C s o indicator:	S	Diameter csg scn:	8
Top depth:	545	Bottom depth:	568
State well number:	5663906	Group number:	3
C s o indicator:	C	Diameter csg scn:	8
Top depth:	568	Bottom depth:	575
State well number:	5663906	Group number:	4
C s o indicator:	S	Diameter csg scn:	8
Top depth:	575	Bottom depth:	618
State well number:	5663906	Group number:	5
C s o indicator:	C	Diameter csg scn:	8
Top depth:	618	Bottom depth:	631
State well number:	5663906	Pn well visit mark:	P
Depth from lsd:	-150	Mm date:	0
Dd date:	0	Yy date:	1964
Measurement number:	01	Measuring agency:	Not Reported
Method of meas:	Not Reported	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5663906	Pn well visit mark:	P
Depth from lsd:	-257	Mm date:	6
Dd date:	0	Yy date:	1975
Measurement number:	01	Measuring agency:	Not Reported
Method of meas:	Not Reported	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
State well number:	5663906	Group number:	1
Remarks 1:	Owner's Weatherby well. Geophysical		
Remarks 2:	log Q-26. Pump set at 441 feet.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: TX Radon

Radon Test Results

County	Mean	Total Sites	%>4 pCi/L	%>20 pCi/L	Min pCi/L	Max pCi/L
KERR	1.5	19	5.3	.0	<.5	6.0

Federal EPA Radon Zone for KERR County: 3

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

Federal Area Radon Information for Zip Code: 78028

Number of sites tested: 13

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.600 pCi/L	92%	8%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

STATE RECORDS

Public Water Supply Sources Databases

Source: Texas Commission on Environmental Quality

Telephone: 512-239-6199

Locations of public drinking water sources maintained by the TCEQ

Groundwater Database

Source: Texas Water Development Board

Telephone: 512-936-0837

Well Report Database

Source: Department of Licensing and Regulation

Telephone: 512-936-0833

Water Well Database

Source: Harris-Galveston Coastal Subsidence District

Telephone: 281-486-1105

Submitted Driller's Reports Database

Source: Texas Water Development Board

Telephone: 512-936-0833

The Submitted Driller's Reports Database is populated from the online Texas Well Report Submission and Retrieval System which is a cooperative Texas Department of Licensing and Regulation (TDLR) and Texas Water Development Board (TWDB) application that registered water-well drillers use to submit their required reports.

OTHER STATE DATABASE INFORMATION

Texas Oil and Gas Wells:

Source: Texas Railroad Commission

Telephone: 512-463-6882

Oil and gas well locations

RADON

State Database: TX Radon

Source: Department of Health

Telephone: 512-834-6688

Rinal Report of the Texas Indoor Radon Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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Appendix D-2

City Directory Abstract

Kerrville VAMC

3610 Memorial Blvd.
Kerrville, TX 78028

Inquiry Number: 2528715.6
June 30, 2009

The EDR-City Directory Abstract

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SECTION

Executive Summary

Findings

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

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2009 Enhancements to EDR City Directory Abstract

New for 2009, the EDR City Directory Abstract has been enhanced with additional information and features. These enhancements will make your city directory research process more efficient, flexible, and insightful than ever before. The enhancements will improve the options for selecting adjoining properties, and will speed up your review of the report.

City Directory Report. Three important enhancements have been made to the EDR City Directory Abstract:

1. *Executive Summary.* The report begins with an Executive Summary that lists the sources consulted in the preparation of the report. Where available, a parcel map is also provided within the report, showing the locations of properties researched.
2. *Page Images.* Where available, the actual page source images will be included in the Appendix, so that you can review them for information that may provide additional insight. EDR has copyright permission to include these images.
3. *Findings Listed by Location.* Another useful enhancement is that findings are now grouped by address. This will significantly reduce the time you need to review your abstracts. Findings are provided under each property address, listed in reverse chronological order and referencing the source for each entry.

Options for Selecting Adjoining Properties. Ensuring that the right adjoining property addresses are searched is one of the biggest challenges that environmental professionals face when conducting city directory historical research. EDR's new enhancements make it easier for you to meet this challenge. Now, when you place an order for the EDR City Directory Abstract, you have the following choices for determining which addresses should be researched.

1. *You Select Addresses and EDR Selects Addresses.* Use the "Add Another Address" feature to specify the addresses you want researched. Your selections will be supplemented by addresses selected by EDR researchers using our established research methods. Where available, a digital map will be shown, indicating property lines overlaid on a color aerial photo and their corresponding addresses. Simply use the address list below the map to check off which properties shown on the map you want to include. You may also select other addresses using the "Add Another Address" feature at the bottom of the list.
2. *EDR Selects Addresses.* Choose this method if you want EDR's researchers to select the addresses to be researched for you, using our established research methods.
3. *You Select Addresses.* Use this method for research based solely on the addresses you select or enter into the system.
4. *Hold City Directory Research Option.* If you choose to select your own adjoining addresses, you may pause production of your EDR City Directory Abstract report until you have had a chance to look at your other EDR reports and sources. Sources for property addresses include: your Certified Sanborn Map Report may show you the location of property addresses; the new EDR Property Tax Map Report may show the location of property addresses; and your field research can supplement these sources with additional address information. To use this capability, simply click "Hold City Directory research" box under "Other Options" at the bottom of the page. Once you have determined what addresses you want researched, go to your EDR Order Status page, select the EDR City Directory Abstract, and enter the addresses and submit for production.

Questions? Contact your EDR representative at 800-352-0050. For more information about all of EDR's 2009 report and service enhancements, visit www.edrnet.com/2009enhancements

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1993	Polk's City Directory	-	X	X	-
1987	Polk's City Directory	-	X	X	-
1983	Polk's City Directory	-	X	X	-
1968	Polk's City Directory	-	X	X	-
1962	Polk's City Directory	-	-	-	-
1952	Page's City Directory	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

3610 Memorial Blvd.
Kerrville, TX 78028

FINDINGS DETAIL

Target Property research detail.

No Addresses Found

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

Memorial Blvd.

Memorial Blvd.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	No Listings Beyond The 3700 Block	Polk's City Directory
1987	No Listings Beyond The 3600 Block	Polk's City Directory
1983	No Listings Beyond The 3600 Block	Polk's City Directory
1968	No Listings Beyond The 3500 Block	Polk's City Directory

3500 Memorial Blvd.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	Veterans Administration Med Center	Polk's City Directory
1987	Veterans Administration Med Center	Polk's City Directory
1983	Veterans Administration Med Center	Polk's City Directory
1968	Veterans Administration Hospital	Polk's City Directory

3603 Memorial Blvd.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	Maldonado Brothers Nursery	Polk's City Directory
	Maldonando Landscaping	Polk's City Directory
1987	Maldonado Brothers Nursery Inc.	Polk's City Directory
1983	Maldonado Bros Nursery	Polk's City Directory

3700 Memorial Blvd.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	Kerr County Federal Credit Union	Polk's City Directory

FINDINGS

STREET NOT LISTED IN RESEARCH SOURCE

The following Streets were researched for this report, and the Streets were not listed in the research source.

Street Researched

Memorial Blvd.

Tucker Street

Street Not Listed in Research Source

1962, 1952

1993, 1987, 1983, 1968, 1962, 1952

TARGET PROPERTY: ADDRESS NOT LISTED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not listed in the research source.

Address Researched

3610 Memorial Blvd.

Address Not Listed in Research Source

1993, 1987, 1983, 1968

ADJOINING PROPERTY: ADDRESSES NOT LISTED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not listed in research source.

Address Researched

3603 Memorial Blvd.

3700 Memorial Blvd.

Address Not Listed in Research Source

1968

1987, 1983, 1968

Appendix E

Supporting Documentation

Appendix E includes various parts that were used to enhance the accuracy of, and reinforce the opinion of the environmental professional given in, this Phase I Environmental Site Assessment. These parts include records of an interview with the Engineering Service Manager at the Kerrville Division, STVHCS, a NEPA (National Environmental Policy Act) Check report from EDR, results of the USDA's Web Soil Survey for the Kerrville Division, STVHCS property, and historic engineering drawings from the property. The NEPA Check includes maps depicting natural areas, historic sites, flood plain, National Wetlands Inventory, and Federal Communications Commission & Federal Aviation Administration sites on and around the property. The Web Soil Survey includes an aerial image of the Kerrville Division, STVHCS property, with overlaying text and lines to depict different soil types present. The historic engineering drawing shows the location of underground utilities on the site.

Appendix E-1
Interview Records

Record of Communication/Interview Summary

Person Interviewed/Organization:	Michael Bowlby, Kerrville Division, STVHCS
Phone No./Email Address:	(830)792-2558, Michael.Bowlby@va.gov
Date and Location of Interview:	7/1/09 at Kerrville Division, STVHCS
Subject of Interview:	Environmental compliance status of proposed EUL property
Interviewer and Project Name:	D. Arnold, Phase I ESA, Kerrville Division, STVHCS

Mr. Bowlby is the Engineering Service Manager for the Kerrville Division of STVHCS. He stated that he has been employed by the System since July 2008.

Mr. Bowlby has performed Phase I ESAs in the past, and was very helpful regarding the information that ARGO needed to acquire. Mr. Bowlby provided ARGO with historic site drawings for the proposed EUL parcel, which showed that a railroad and underground storage tank had once been present. He was unable to provide copies of these drawings.

Mr. Bowlby indicated that, to the best of his knowledge, he is not aware of any environmental cleanup liens against the property or of any activity and use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law.

Mr. Bowlby was questioned regarding commonly known or reasonably ascertainable information about the subject site that would help the Environmental Professional to identify conditions indicative of releases or threatened releases such as past uses of the subject site, specific chemicals that are present or once were present at the subject site, spills or other chemical releases that have taken place on the subject site, or any environmental cleanups that have taken place at the subject site.

According to Mr. Bowlby, he does not have any commonly known or reasonably ascertainable information regarding the subject site.

Appendix E-2
NEPA Check Report

Kerrville VAMC

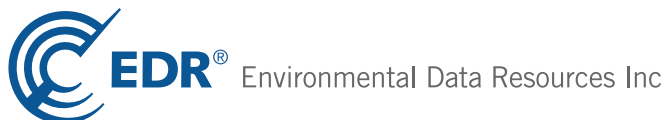
3610 Memorial Blvd.

Kerrville, TX 78028

Inquiry Number: 2528715.7s

June 26, 2009

EDR NEPACheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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

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EDR NEPACheck® DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPACheck provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

The report provides maps and data for the following items (where available). Search results are provided in the Map Findings Summary on page 2 of this report.

Section	Regulation
Natural Areas Map	
• Federal Lands Data:	
- Officially designated wilderness areas	47 CFR 1.1307(1)
- Officially designated wildlife preserves, sanctuaries and refuges	47 CFR 1.1307(2)
- Wild and scenic rivers	40 CFR 6.302(e)
- Fish and Wildlife	40 CFR 6.302
• Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data (where available)	47 CFR 1.1307(3); 40 CFR 6.302
Historic Sites Map	
• National Register of Historic Places	47 CFR 1.1307(4); 40 CFR 6.302
• State Historic Places (where available)	
• Indian Reservations	
Flood Plain Map	
• National Flood Plain Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302
Wetlands Map	
• National Wetlands Inventory Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302
FCC & FAA Map	
• FCC antenna/tower sites, AM Radio Towers, FAA Markings and Obstructions, AM Radio Interference Zones, Airports, Topographic gradient	47 CFR 1.1307(8)
Key Contacts and Government Records Searched	

MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 27 of this report.

TARGET PROPERTY ADDRESS

KERRVILLE VAMC
3610 MEMORIAL BLVD.
KERRVILLE, TX 78028

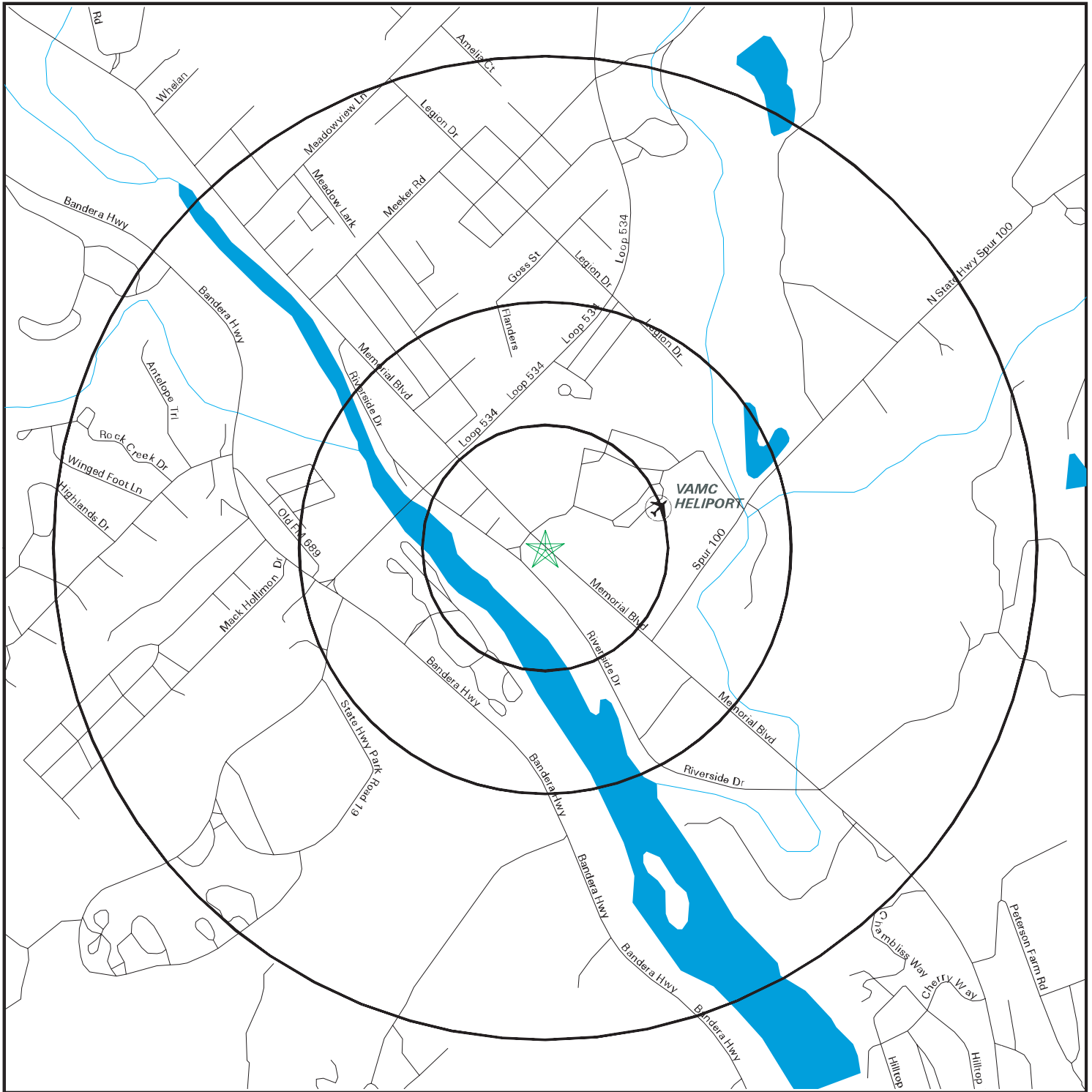
Inquiry #: 2528715.7s
Date: 6/26/9

TARGET PROPERTY COORDINATES

Latitude (North): 30.013201 - 30° 0' 47.5"
Longitude (West): 99.116096 - 99° 6' 57.9"
Universal Tranverse Mercator: Zone 14
UTM X (Meters): 488803.7
UTM Y (Meters): 3320073.5

Applicable Regulation from 47 CFR/FCC Checklist	Database	Search Distance (Miles)	Within Search	Within 1/8 Mile
<u>NATURAL AREAS MAP</u>				
1.1307a (1) Officially Designated Wilderness Area	US Federal Lands	1.00	NO	NO
1.1307a (2) Officially Designated Wildlife Preserve	US Federal Lands	1.00	NO	NO
1.1307a (3) Threatened or Endangered Species or Critical Habitat	County Endangered Species	County	YES	N/A
<u>HISTORIC SITES MAP</u>				
1.1307a (4) Listed or eligible for National Register	National Register Hist. Places	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	TX Historic Sites	1.00	YES	NO
	Indian Reservation	1.00	NO	NO
<u>FLOODPLAIN MAP</u>				
1.1307 (6) Located in a Flood Plain	FLOODPLAIN	1.00	YES	YES
<u>WETLANDS MAP</u>				
1.1307 (7) Change in surface features (wetland fill)	NWI	1.00	NO	NO
	TX COASTAL ZONE	20.00	NO	NO
<u>FCC & FAA SITES MAP</u>				
	FCC Cellular	1.00	NO	NO
	FCC Antenna	1.00	NO	NO
	FCC Tower	1.00	YES	NO
	FCC AM Tower	1.00	NO	NO
	FAA DOF	1.00	YES	NO
	Airports	1.00	YES	---
	Power Lines	1.00	NO	---

Natural Areas Map



- ★ Target Property
- ⊕ Locations
- ⚡ Roads
- ▨ Federal Areas
- ⚡ County Boundary
- ⚡ Federal Linear Features
- ⚡ Waterways
- ⚡ State Areas
- Water
- ⚡ State Linear Features
- ✈ Airports



SITE NAME: Kerrville VAMC
 ADDRESS: 3610 Memorial Blvd.
 Kerrville TX 78028
 LAT/LONG: 30.0132 / 99.1161

CLIENT: Amdyne
 CONTACT: Derek Arnold
 INQUIRY #: 2528715.7s
 DATE: June 26, 2009

NATURAL AREAS MAP FINDINGS

Endangered Species Listed for: KERR County, TX.

Source: EPA Endangered Species Protection Program Database
BIRD: VIREO, BLACK-CAPPED
BIRD: WARBLER (WOOD), GOLDEN-CHEEKED
PLANT: CACTUS, TOBUSCH FISHHOOK

Endangered Species

Source: Texas Threatened and Endangered species Database
Region: Edwards Plateau
Sub Region: Balcones Canyonlands

AMPHIBIANS

Salamanders

Common Name: BARTON SPRINGS SALAMANDER
Scientific Name: EURYCEA SOSORUM
State Status: Endangered
Federal Status: Endangered

Common Name: BLANCO BLIND SALAMANDER
Scientific Name: EURYCEA ROBUSTA
State Status: Threatened
Federal Status: Not reported

Common Name: CASCADE CAVERNS SALAMANDER
Scientific Name: EURYCEA LATITANS
State Status: Threatened
Federal Status: Not reported

Common Name: COMAL BLIND SALAMANDER
Scientific Name: EURYCEA TRIDENTIFERA
State Status: Threatened
Federal Status: Not reported

Common Name: SAN MARCOS SALAMANDER
Scientific Name: EURYCEA NANA
State Status: Threatened
Federal Status: Threatened

Common Name: TEXAS BLIND SALAMANDER
Scientific Name: EURYCEA RATHBUNI
State Status: Endangered
Federal Status: Endangered

BIRDS

Raptors

Common Name: AMERICAN PEREGRINE FALCON
Scientific Name: FALCO PEREGRINUS ANATUM
State Status: Endangered
Federal Status: Not reported

Common Name: BALD EAGLE
Scientific Name: HALIAEETUS LEUCOCEPHALUS
State Status: Threatened
Federal Status: Threatened; Proposed Delisting

Common Name: PEREGRINE FALCON
Scientific Name: FALCO PEREGRINUS
State Status: Endangered/Threatened
Federal Status: Not reported

Common Name: ZONE-TAILED HAWK
Scientific Name: BUTEO ALBONOTATUS
State Status: Threatened
Federal Status: Not reported

Shorebirds

Common Name: INTERIOR LEAST TERN
Scientific Name: STERNA ANTILLARUM ATHALASSOS
State Status: Endangered
Federal Status: Endangered

Common Name: MOUNTAIN PLOVER
Scientific Name: CHARADRIUS MONTANUS
State Status: Not reported
Federal Status: Proposed Threatened

Songbirds

Common Name: BLACK-CAPPED VIREO
Scientific Name: VIREO ATRICAPILLUS
State Status: Endangered
Federal Status: Endangered

NATURAL AREAS MAP FINDINGS

Common Name: GOLDEN-CHEEKED WARBLER Scientific Name: DENDROICA CHRYSOPARIA	State Status: Endangered Federal Status: Endangered
Waterbirds Common Name: WHITE-FACED IBIS Scientific Name: PLEGADIS CHIHII	State Status: Threatened Federal Status: Not reported
FISHES Catfish Common Name: TOOTHLESS BLINDCAT Scientific Name: TROGLOGLANIS PATTERSONI	State Status: Threatened Federal Status: Not reported
Common Name: WIDEMOUTH BLINDCAT Scientific Name: SATAN EURYSTOMUS	State Status: Threatened Federal Status: Not reported
Livebearers Common Name: BLOTCHED GAMBUSIA Scientific Name: GAMBUSIA SENILIS	State Status: Threatened Federal Status: Not reported
Common Name: SAN MARCOS GAMBUSIA Scientific Name: GAMBUSIA GEORGEI	State Status: Endangered Federal Status: Endangered
Minnnows Common Name: DEVILS RIVER MINNOW Scientific Name: DIONDA DIABOLI	State Status: Threatened Federal Status: Threatened
Common Name: PROSERPINE SHINER Scientific Name: CYPRINELLA PROSERPINA	State Status: Threatened Federal Status: Not reported
Perches Common Name: FOUNTAIN DARTER Scientific Name: ETHEOSTOMA FONTICOLA	State Status: Endangered Federal Status: Endangered
Common Name: RIO GRANDE DARTER Scientific Name: ETHEOSTOMA GRAHAMI	State Status: Threatened Federal Status: Not reported
Suckers Common Name: BLUE SUCKER Scientific Name: CYCLEPTUS ELONGATUS	State Status: Threatened Federal Status: Not reported
INVERTEBRATES Crustaceans Common Name: PECK'S CAVE AMPHIPOD Scientific Name: STYGOBROMUS PECKI	State Status: Endangered Federal Status: Endangered
Insects Common Name: A GROUND BEETLE Scientific Name: RHADINE EXILIS	State Status: Not reported Federal Status: Endangered
Common Name: A GROUND BEETLE Scientific Name: RHADINE INFERNALIS	State Status: Not reported Federal Status: Endangered
Common Name: COFFIN CAVE MOLD BEETLE Scientific Name: BATRISODES TEXANUS	State Status: Not reported Federal Status: Endangered
Common Name: COMAL SPRINGS DRYOPID BEETLE Scientific Name: STYGOPARNUS COMALENSIS	State Status: Not reported Federal Status: Endangered

NATURAL AREAS MAP FINDINGS

Common Name: COMAL SPRINGS RIFFLE BEETLE Scientific Name: HETERELMIS COMALENSIS	State Status: Not reported Federal Status: Endangered
Common Name: HELOTES MOLD BEETLE Scientific Name: BATRISODES VENYIVI	State Status: Not reported Federal Status: Endangered
Common Name: KRETSCHMARR CAVE MOLD BEETLE Scientific Name: TEXAMAUOPS REDDELLI	State Status: Not reported Federal Status: Endangered
Common Name: TOOTH CAVE GROUND BEETLE Scientific Name: RHADINE PERSEPHONE	State Status: Not reported Federal Status: Endangered
Spiders and Relatives	
Common Name: BEE CREEK CAVE HARVESTMAN Scientific Name: TEXELLA REDDELLI	State Status: Not reported Federal Status: Endangered
Common Name: BONE CAVE HARVESTMAN Scientific Name: TEXELLA REYESI	State Status: Not reported Federal Status: Endangered
Common Name: GOVERNMENT CANYON CAVE SPIDER Scientific Name: NEOLEPTONETA MICROPS	State Status: Not reported Federal Status: Endangered
Common Name: MADLAS CAVE SPIDER Scientific Name: CICURINA MADLA	State Status: Not reported Federal Status: Endangered
Common Name: ROBBER BARON CAVE HARVESTMAN Scientific Name: TEXELLA COKENDOLPHERI	State Status: Not reported Federal Status: Endangered
Common Name: ROBBER BARON CAVE SPIDER Scientific Name: CICURINA BARONIA	State Status: Not reported Federal Status: Endangered
Common Name: TOOTH CAVE PSEUDOSCORPION Scientific Name: TARTAROCREAGRIS TEXANA	State Status: Not reported Federal Status: Endangered
Common Name: TOOTH CAVE SPIDER Scientific Name: NEOLEPTONETA MYOPICA	State Status: Not reported Federal Status: Endangered
Common Name: VENIS CAVE SPIDER Scientific Name: CICURINA VENII	State Status: Not reported Federal Status: Endangered
Common Name: VESPER CAVE SPIDER Scientific Name: CICURINA VESPERA	State Status: Not reported Federal Status: Endangered
MAMMALS	
Carnivores	
Common Name: BLACK BEAR Scientific Name: URSUS AMERICANUS	State Status: Threatened Federal Status: Threatened by similarity of appearance
Common Name: GRAY WOLF Scientific Name: CANIS LUPUS	State Status: Endangered Federal Status: Endangered
Common Name: RED WOLF Scientific Name: CANIS RUFUS	State Status: Endangered Federal Status: Endangered
Common Name: WHITE-NOSED COATI Scientific Name: NASUA NARICA	State Status: Threatened Federal Status: Not reported

Historic Sites Map



- ★ Target Property
- Streets
- County Boundary
- Waterways
- Water
- ✈ Airports

- ◆ Historic Sites
- ▨ Federal Historic Areas
- ▨ State Historic Areas
- ▨ US Indian Reservations
- Scenic Trail



SITE NAME: Kerrville VAMC
 ADDRESS: 3610 Memorial Blvd.
 Kerrville TX 78028
 LAT/LONG: 30.0132 / 99.1161

CLIENT: Amdyne
 CONTACT: Derek Arnold
 INQUIRY #: 2528715.7s
 DATE: June 26, 2009

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

1
 ENE
 1/4-1/2 mi
 1973
 NA
 Markernum: 527 Atlas number: 5265000527
 Title: Brown Cemetery
 Indexname: Brown Cemetery
 Address: Not Reported
 City: Kerrville County: Kerr
 Utm zone: 14 Utm east: 489400
 Utm north: 3320254 Code: GY
 Year: 1986 Rthl: 0
 Htc: 0
 Loc desc:
 from Kerrville take SH 27 3 miles; turn N onto Spur 100 - continue to cemetery

TX1005265000527
 TX Historic Sites

Size: 18" x 28"

Repair comments:
 Not Reported

Repairdate: Not Reported

Comments:
 Job #8474

Marker Text:

During the late 1840s, Joshua D. Brown (1816-1876) traveled from Gonzales and established a cypress shingle mill on the site of what is now Kerrville. This cemetery dates from 1872, when Brown's nephew, Thomas Goss was buried here. The graves of Brown and his wife, Sarah Jane (Goss), and Sarah's parents, the Rev. John and Mary Goss, are also located here. In 1923, use of part of the Brown Cemetery was granted to the Woman's Auxiliary of a local American Legion post for a veterans' burial ground that came to be called Kerrville National Cemetery. Texas Sesquicentennial 1836-1986

Rthl Cond:
 Not Reported

2
 SE
 1/2-1 mi
 3434
 NA

TX1005265013248
 TX Historic Sites

Markernum: 13248 Atlas number: 5265013248
 Title: Texas Lions Camp
 Indexname: Texas Lions Camp
 Address: SH 27, Happiness Rd
 City: Kerrville County: Kerr
 Utm zone: 14 Utm east: 489704
 Utm north: 3319467 Code: FO, YO
 Year: 2005 Rthl: 0
 Htc: 0
 Loc desc:
 SH 27 just past Veterans Pkwy, on Lions Camp property

Size: 27" x 42"

Repair comments:
 Not Reported

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Repairdate: Not Reported
Comments:
Job #8474

Marker Text:

Located on land once owned by Kerrville founder Joshua Brown, this has been the site of rehabilitative facilities since the 1920s, when the American Legion established a sanatorium here, followed by a United States Veterans Administration hospital in 1925. In 1948, as a nationwide polio epidemic raged, local Lion Jack Roe, working with the Kerrville Lions Club, promoted the concept of a special camp for children afflicted with the disease. A social worker with the Texas Department of Public Welfare, Roe had seen handicapped children turned away from other summer camps, and in response he made it his mission to create a place where they could experience the joys of nature at a camp designed for their unique needs. Roe and the local Lions Club members worked with other clubs around Texas to promote establishment of the camp, and in 1949 they received endorsement from the Lions International Convention. A statewide fundraising effort and the assistance of then-U.S. Sen. Lyndon B. Johnson led to the purchase of 504 acres of land at this site from the federal government in 1950. The camp officially opened on June 8, 1953, with 40 campers who participated in the formal dedication celebration on July 3, 1953. The camp also provided training facilities for clients of the Texas Commission for the Blind from 1958 to 1984, and since 1971 has included special programs for children with diabetes. It celebrated a milestone in 2003, marking service to a total of 50,000 children since its opening. The Texas Lions Camp has served as a place of education and respite for children with special needs for more than half a century. Its programs, still supported by Lions clubs throughout the state, reflect the Lions motto "We Serve" by providing campers with education, entertainment and memories to last their lifetimes. (2005)

Rthl Cond:
Not Reported

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database
TX1005265001098
TX Historic Sites

0

Markernum:	1098	Atlas number:	5265001098
Title:	Cowboy Artists of America Museum		
Indexname:	Cowboy Artists of America Museum		
Address:	Not Reported		
City:	Kerrville	County:	Kerr
Utm zone:	14	Utm east:	Not Reported
Utm north:	Not Reported	Code:	Not Reported
Year:	Not Reported	Rthl:	0
Htc:	0		
Loc desc:	Not Reported		
Size:	Not Reported		
Repair comments:	Not Reported		
Repairdate:	Not Reported		
Comments:	Not Reported		
Marker Text:	Not Reported		
Rthl Cond:	Not Reported		

TX1005265001138
TX Historic Sites

0

Markernum:	1138	Atlas number:	5265001138
Title:	Cypress Creek Cemetery		
Indexname:	Cypress Creek Cemetery		
Address:	Not Reported		
City:	Kerrville	County:	Kerr
Utm zone:	Not Reported	Utm east:	Not Reported
Utm north:	Not Reported	Code:	GY
Year:	1989	Rthl:	0
Htc:	0		
Loc desc:	121 FM 1341 (private property - on Sturdy Oak Farm)		
Size:	18" x 28"		
Repair comments:	not surveyed - private property		
Repairdate:	Not Reported		
Comments:	Job # 40087		
Marker Text:	The oldest documented grave in this cemetery is that of Laura Steves Boerner (d. 1861), whose		

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

husband, Wilhelm Boerner, was killed at the Battle of Nueces in August 1862. Also interred in the small cemetery on Sturdy Oak Farm are children, pioneer settlers, and two strangers who died of tuberculosis while traveling through the area. Hand-cut stones mark the grave of the community's respected physician, Dr. August Pfeiffer. The cemetery provides a link with the 19th-century heritage of the Cypress Creek community. (1989)

Rthl Cond:
Not Reported

TX1005265012322
TX Historic Sites

0

Markernum:	12322	Atlas number:	5265012322
Title:	James Kerr		
Indexname:	Kerr, James		
Address:	700 Main St.		
City:	Kerrville	County:	Kerr
Utm zone:	Not Reported	Utm east:	Not Reported
Utm north:	Not Reported	Code:	PI, OS, TI
Year:	2000	Rthl:	0
Htc:	0		
Loc desc:	courthouse lawn		

Size: 27" x 42"
Repair comments:
Not Reported

Repairdate: Not Reported
Comments:
Not Reported

Marker Text:
(1790-1850) Kentucky native James Kerr, the son of a Baptist minister, was reared in Missouri. Kerr fought in the War of 1812 and was later sheriff of St. Charles County, Missouri. He married Angeline Caldwell in 1818 and served in the Missouri Senate and House of Representatives. Kerr was appointed Surveyor General of the Texas colony of Green DeWitt in 1825. With his wife, three children and several slaves, he joined Stephen F. Austin's "Old Three Hundred" colony in Brazoria. In August 1825 he set out to select a site for the DeWitt colony. Kerr named the community Gonzales in honor of the governor of Coahuila, Mexico. By this time, Angeline Kerr and two of the children had passed away. Kerr was active in area politics and law enforcement during the formative years of the Republic of Texas. He acted as attorney and surveyor for Benjamin Rush Milam in 1827. He negotiated for peace before the Fredonian Rebellion, signed a treaty with the Karankawa Indians and fought other tribes. He was the Lavaca delegate at the Convention at San Felipe de Austin in 1832 and served as a member of the Second and Third Conventions. Two years later, he married Sarah Fulton. He became a major in the Texas Rangers in 1835 and in the Republic of Texas army in 1836. He was elected to the Third Texas Congress in 1838. Kerr's later years were spent practicing medicine in Jackson County. In 1856, pioneer Joshua Brown gave the land around this site in order that Kerr County be named for his longtime friend, Texas frontiersman and patriot James Kerr. (2000)

Rthl Cond:
Not Reported

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database
 TX1005265004340
 TX Historic Sites

0

Markernum:	4340	Atlas number:	5265004340
Title:	Roggenbucke Homestead		
Indexname:	Roggenbucke Homestead		
Address:	Not Reported		
City:	Kerrville	County:	Kerr
Utm zone:	14	Utm east:	Not Reported
Utm north:	Not Reported	Code:	BH; GN
Year:	Not Reported	Rthl:	0
Htc:	0		

Loc desc:
on private property - west from Comfort post office to Front Street to North Creek Road

Size: 18" x 28"

Repair comments:
not surveyed - private property

Repairdate: Not Reported

Comments:
Job # 7145

Marker Text:
Prussian immigrants Oscar and Louise (Weiss) Von Roggenbucke were among the first settlers in the Comfort area, arriving in 1855. They bought this farm land and built a home here for their large family. During the Civil War, Moritz and Franz Weiss, Roggenbucke's stepsons, were killed in the Nueces River Massacre. They were among 36 area German settlers who were attempting to join Union troops when they were attacked by Confederate forces. Roggenbucke's grandson Edgar, a Comfort area sculptor, created a scroll that hangs over the door of the home. (1983)

Rthl Cond:
Not Reported

TX1005265011995
 TX Historic Sites

0

Markernum:	11995	Atlas number:	5265011995
Title:	Schreiner College (Schreiner Institute)		
Indexname:	Schreiner College (Schreiner Institute)		
Address:	2100 Memorial Blvd.		
City:	Kerrville	County:	Kerr
Utm zone:	14	Utm east:	Not Reported
Utm north:	Not Reported	Code:	ED
Year:	1998	Rthl:	0
Htc:	0		

Loc desc:
Not Reported

Size: 27" x 42"

Repair comments:
Not Reported

Repairdate: Not Reported

Comments:
Job # 12798

Marker Text:

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:














Status
EDR ID
Database

Kerrville leaders began to envision a college in the early days of the 20th century. Negotiations with the Presbyterian Synod of Texas were pursued from 1904, when plans were made for an annual camp meeting that might one day evolve into a boys' school. In 1914, local businessman Charles Schreiner (1838-1927) announced his plan to donate 140 acres of land and at least \$100,000 to the Synod of Texas to fund the Charles Schreiner Institute for Boys. The plan was delayed by World War I. Finally, on September 18, 1923, the school's opening ceremonies were held, with James J. Delaney (1879-1959) as president. Ninety-five students were enrolled in the first year. The school stressed military discipline and religious instruction as a backdrop for general education. In 1932, girls were admitted as day students. Many students and younger faculty left Schreiner for military service and defense work during World War II, and a naval flight school was established at the institute for the war's duration. Sixty-six alumni lost their lives in World War II. Military training became optional in 1957. In 1971, the board of trustees voted to discontinue military training. Female boarding students were enrolled, and the recruitment of minority and disadvantaged students was instituted. The last high school class graduated in 1976. In 1984 the school became a four-year baccalaureate college. Schreiner College continues to evolve as one of Texas' leading private institutions. (1998)

Rthl Cond:
Not Reported

Flood Plain Map



-  Major Roads
-  Contour Lines
-  Waterways
-  County Boundary
-  Airports
-  Power Lines
-  Pipe Lines
-  Fault Lines
-  Water
-  100-year flood zone
-  500-year flood zone
-  Electronic FEMA data available
-  Electronic FEMA data not available



SITE NAME: Kerrville VAMC
 ADDRESS: 3610 Memorial Blvd.
 Kerrville TX 78028
 LAT/LONG: 30.0132 / 99.1161

CLIENT: Amydne
 CONTACT: Derek Arnold
 INQUIRY #: 2528715.7s
 DATE: June 26, 2009

FLOOD PLAIN MAP FINDINGS

Source: FEMA Q3 Flood Data

County

FEMA flood data electronic coverage

KERR, TX

YES

Flood Plain panel at target property:

4804200005D

Additional Flood Plain panel(s) in search area:

4804190260E

4804200010D

National Wetlands Inventory Map



- | | | |
|-----------------|-------------|-----------------------------------|
| Major Roads | Power Lines | Water |
| Contour Lines | Pipe Lines | National Wetland Inventory |
| Waterways | Fault Lines | Electronic NWI data available |
| County Boundary | | Electronic NWI data not available |
| Airports | | |

SITE NAME: Kerrville VAMC
 ADDRESS: 3610 Memorial Blvd.
 Kerrville TX 78028
 LAT/LONG: 30.0132 / 99.1161

CLIENT: Amydne
 CONTACT: Derek Arnold
 INQUIRY #: 2528715.7s
 DATE: June 26, 2009

TC2528715.7s Page 17 of 32

WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: Legion
Additional NWI hardcopy map(s) in search area:
Kerrville
Center Point

Map ID
Direction
Distance
Distance (ft.)

Code and Description*

Database

No Sites Reported.

*See Wetland Classification System for additional information.

WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- to describe ecological units that have certain homogeneous natural attributes,
- to arrange these units in a system that will aid decisions about resource management,
- to furnish units for inventory and mapping, and
- to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- class
- subclass
- modifiers

(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

The classification system consists of five systems:

1. marine
2. estuarine
3. riverine
4. lacustrine
5. palustrine

The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.

SYSTEM

MARINE

SUBSYSTEM

1 - SUBTIDAL

2 - INTERTIDAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom	AB-AQUATIC BED	RF-REEF	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm		1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

SYSTEM

E - ESTUARINE

SUBSYSTEM

1 - SUBTIDAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	

SUBSYSTEM

2 - INTERTIDAL

CLASS	AB-AQUATIC BED	RF-REEF	SB - STREAMBED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	SS-SCRUB SHRUB	FO-FORESTED
Subclass	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

SYSTEM

R - RIVERINE

SUBSYSTEM

1 - TIDAL 2 - LOWER PERENNIAL 3 - UPPER PERENNIAL 4 - INTERMITTENT 5 - UNKNOWN PERENNIAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	*SB-STREAMBED	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	**EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

* STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.
 **EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

SYSTEM

L - LACUSTRINE

SUBSYSTEM

1 - LIMNETIC

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	

SUBSYSTEM

2 - LITTORAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

SUBSYSTEM

P - PALUSTRINE

CLASS	RB--ROCK BOTTOM	UB--UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	US--UNCONSOLIDATED SHORE	ML--MOSS- LICHEN	EM--EMERGENT	SS--SCRUB-SHRUB	FO--FORESTED	OW-OPEN WATER/ Unknown
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown 6 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen	











MODIFIERS

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal Halinity	Inland Salinity	pH	Modifiers for			
A Temporarily Flooded	H Permanently Flooded	K Artificially Flooded	*S Temporary-Tidal	1 Hyperhaline	7 Hypersaline	all Fresh Water	g Organic	b Beaver
B Saturated	J Intermittently Flooded	L Subtidal	*R Seasonal-Tidal	2 Euhaline	8 Eusaline	a Acid	n Mineral	d Partially Drained/Ditched
C Seasonally Flooded	K Artificially Flooded	M Irregularly Exposed	*T Semipermanent -Tidal	3 Mixohaline (Brackish)	9 Mixosaline	t Circumneutral		f Farmed
D Seasonally Flooded/ Well Drained	W Intermittently Flooded/Temporary	N Regularly Flooded	V Permanent -Tidal	4 Polyhaline	0 Fresh	i Alkaline		h Diked/Impounded
E Seasonally Flooded/ Saturated	Y Saturated/Semipermanent/ Seasonal	P Irregularly Flooded	U Unknown	5 Mesohaline				r Artificial Substrate
F Semipermanently Flooded	Z Intermittently Exposed/Permanent	*These water regimes are only used in tidally influenced, freshwater systems.		6 Oligohaline				s Spoil
G Intermittently Exposed	U Unknown			0 Fresh				x Excavated

FCC & FAA Sites Map



-  Streets
-  Contour Lines
-  County Boundary
-  Waterways
-  Power Lines
-  Water
-  Airports
-  Sites
-  Omni Directional AM Interference
-  Directional AM Interference



SITE NAME: Kerrville VAMC
 ADDRESS: 3610 Memorial Blvd.
 Kerrville TX 78028
 LAT/LONG: 30.0132 / 99.1161

CLIENT: Amdyne
 CONTACT: Derek Arnold
 INQUIRY #: 2528715.7s
 DATE: June 26, 2009

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

1		DOF100000012425 FAA DOF
West		
1/2-1 mi		
2914		
Nacg code:	44	Obs number: 7242
O or u:	U	State id: TX
City name:	KERRVILLE	Latdeg: 30
Latmin:	0	
Latsec:	50	
Lat hemi:	N	Longdeg: 99
Longmin:	7	
Longsec:	31	
Long hemi:	W	Obs type: TOWER
Frequency:	Not Reported	Agl ht: 0100
Amsl ht:	01700	Strobe ind: Not Reported
Acc h:	Not Reported	Acc v: Not Reported
Mark ind:	Not Reported	Faa stdy n: Not Reported
Act acd dt:	A76142	Datchk cd: 160796
Dat file:	ASW	Site id: DOF100000012425

2		TOW100000012956 TOWER
ESE		
1/2-1 mi		
4017		

Tower ID:	117660		
Tower Owner Name:	RADIO COMMUNICATION ENGINEERING		
	4100 SAN ANTONNIO HWY, KERRVILLE, TX		
Latitude:	30 0' 108039"	Latitude (in seconds):	108039
Longitude:	99 6' 12"	Longitude (in seconds):	356772
Transmitter Latitude:	300039	Transmitter Longitude	0990612
Construction Date:		Activation Date:	Jul 1 1992
FAA Date:	Jun 11 1992	FCC Date:	Jun 29 1992
File Number:	044038	FAA ID:	92-ASW-1676-OE
Antenna Height:	19.0000	Antenna Height (M):	5.8000
Beacon Height:	0.0000	Beacon Height (M):	0.0000
Elevation:	1786.0000	Elevation FAA:	1786.0000
Elevation FAA (M):	544.4000	Elevation (M):	544.4000
Structure Height:	69.0000	Structure Height (M):	21.0000
Structure Height FAA:	69.0000	Structure Height FAA (M):	21.0000
Supporting Struct Hgt:	0.0000	Supporting Struct Hgt (M):	0.0000
Tower Height:	50.0000	Tower Height (M):	15.2000
Structure Type:	TOW	Tower Type:	E
Key Remarks:		Date:	
Key Site:	7576	Record Action:	ADD
ID Exam:	ASB6	ID_ASB_ACC:	C
Paint and Lighting Specs:			
Special Conditions/Remarks:			

This record is for a license, and it may or may not indicate a site which has been built.

FCC & FAA SITES MAP FINDINGS AIRPORTS

EDR ID
Database

AIR16942
AIRPORTS

<p>Site Number: 24158.2*H Airport Type: HELIPORT County: KERR Facility Name: VAMC Use: PR Owner Address: 3600 MEMORIAL BLVD Phone: 830-896-2020 Mgmt Address: V.A. MEDICAL CENTER Mgmt Phone: 830-792-2558 Longitude: 099-06-44.143W Elev (ft): 1600 Aero chart: SAN ANTONIO Dir from Business: SE Certified Date: Not Reported Is Int'l Airport?: Not Reported Inspection Method: 2 Last inspected: 01221985 Lighting: DUSK-DAWN Beacon Color: CGY Single engine: Not Reported Jet engines: Not Reported Gliders: Not Reported Ultralights: Not Reported Air taxis: Not Reported</p>	<p>State: TEXAS City: KERRVILLE Owner type: PU Owner: V.A. MEDICAL CENTER City/State: KERRVILLE, TX 78028 Mgmt Name: WALTER B CONNER Mgmt City/St: KERRVILLE, TX 78028 Latitude: 30-00-51.766N Lat Method: E Elev method: E Dist from Business: 03 Date Active: Not Reported Fed agreements: Not Reported Is Customs Airport?: Not Reported Inspected by: S Attendance: UNATNDD Has ATC Tower: N Landing fee: N Multi engine: Not Reported Helicopters: Not Reported Military: Not Reported Commercial: Not Reported Local ops: Not Reported</p>
<p>Runway id: H1 Width: 90 Lights Intensity: Not Reported Markings: Not Reported Longitude: Not Reported Approach lights: Not Reported Centerline Lights: Not Reported Recip End ID: Not Reported Recip Lat: Not Reported Recip Elev: Not Reported Recip End Lgts: Not Reported</p>	<p>Length: 90 Surface: CONC-G Base End Id: H1 Latitude: Not Reported Elevation: Not Reported End Lights: Not Reported Touchdown Lights: Not Reported Recip markings: Not Reported Recip Long: Not Reported Recip App Lgts: Not Reported Recip Ctr Lgts: Not Reported</p>

FCC & FAA SITES MAP FINDINGS POWERLINES

EDR ID
Database

No Sites Reported.

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

NATURAL AREAS

Officially designated wilderness areas

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

National Park Service, Intermountain Region

12795 Alameda Parkway

Denver, CO 80225

303-969-2500

USDA Forest Service, Southern

1720 Peachtree Road, N.W.

Atlanta, GA 30367

404-347-2384

BLM- New Mexico State Office

1474 Rodeo Road

Santa Fe, NM 87502-0115

505-438-7400

Fish & Wildlife Service, Region 2

P.O. Box 1306 500 Gold Ave., S.W.

Albuquerque, NM 87103

505-248-6925

Officially designated wildlife preserves, sanctuaries and refuges

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 2
P.O. Box 1306 500 Gold Ave., S.W.
Albuquerque, NM 87103
505-248-6925

State Contacts for Additional Information

Dept. of Parks and Wildlife 512-389-4802

Wild and scenic rivers

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 2
P.O. Box 1306 500 Gold Ave., S.W.
Albuquerque, NM 87103
505-248-6925

Endangered Species

Government Records Searched in This Report

Endangered Species Protection Program Database

A listing of endangered species by county.

Source: Environmental Protection Agency

Telephone: 703-305-5239

TX Regional Endangered Species: Texas Threatened and Endangered Species
Listing and recovery of endangered species in Texas is coordinated by the Wildlife Diversity Program. The Dept's Permitting Section is responsible for the issuance of permits for the handling of listed species. The locations are referenced by Texas natural regions.

Source: Texas Parks and Wildlife.

Telephone: 512-912-7011

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 2
P.O. Box 1306 500 Gold Ave., S.W.
Albuquerque, NM 87103
505-248-6925

State Contacts for Additional Information

Conservation Data Center, The Nature Conservancy of Texas 210-224-8774

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES

Historic Places

Government Records Searched in This Report

National Register of Historic Places:

The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation.

The National Register includes:

- All prehistoric and historic units of the National Park System;
- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and
- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 03/23/2006

TX Historic Sites: Texas Historic Landmarks

Recorded Texas historic landmarks.

Source: Texas Historical Commission.

Telephone: 512-463-6100

Federal Contacts for Additional Information

Park Service; Advisory Council on Historic Preservation

1849 C Street NW

Washington, DC 20240

Phone: (202) 208-6843

State Contacts for Additional Information

Texas Historical Commission 512-463-6100

Indian Religious Sites

Government Records Searched in This Report

Indian Reservations:

This map layer portrays Indian administrated lands of the United States that have any area equal to or greater than 640 acres.

Source: USGS

Phone: 888-275-8747

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Department of the Interior- Bureau of Indian Affairs

Office of Public Affairs

1849 C Street, NW

Washington, DC 20240-0001

Office: 202-208-3711

Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers

1411 K Street NW, Suite 700

Washington, DC 20005

Phone: 202-628-8476

Fax: 202-628-2241

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

State Contacts for Additional Information

A listing of local Tribal Leaders and Bureau of Indian Affairs Representatives can be found at:
<http://www.doi.gov/bia/areas/agency.html>

FLOOD PLAIN, WETLANDS AND COASTAL ZONE

Flood Plain Management

Government Records Searched in This Report

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

Federal Contacts for Additional Information

Federal Emergency Management Agency 877-3362-627

State Contacts for Additional Information

Dept. of Public Safety, Div. Of Emergency Management 512-424-2138

Wetlands Protection

Government Records Searched in This Report

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2004 from the U.S. Fish and Wildlife Service.

Federal Contacts for Additional Information

Fish & Wildlife Service 813-570-5412

State Contacts for Additional Information

Dept. of Parks & Wildlife 512-389-4802

Coastal Zone Management

Government Records Searched in This Report

CAMA Management Areas

Dept. of Env., Health & Natural Resources
919-733-2293

Federal Contacts for Additional Information

Office of Ocean and Coastal Resource Management
N/ORM, SSMC4
1305 East-West Highway
Silver Spring, Maryland 20910
301-713-3102

State Contacts for Additional Information

General Land Office, Coastal Division 512-463-5054

Government Records Searched in This Report

Coastal Zone Boundary

General Land Office
512-463-5144

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

FCC & FAA SITES MAP

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

Government Records Searched in This Report

Cellular

Federal Communications Commission

Mass Media Bureau

2nd Floor - 445 12th Street SW

Washington DC 20554 USA

Telephone (202) 418-2700

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Tower

Federal Communications Commission

Mass Media Bureau

2nd Floor - 445 12th Street SW

Washington DC 20554 USA

Telephone (202) 418-2700

Portions copyright (C) 1999 Percon Corporation. All rights reserved.

Antenna Registration

Federal Communications Commission

Mass Media Bureau

2nd Floor - 445 12th Street SW

Washington DC 20554 USA

Telephone (202) 418-2700

Portions copyright (C) 1999 Percon Corporation. All rights reserved.

AM Tower

Federal Communications Commission

Mass Media Bureau

2nd Floor - 445 12th Street SW

Washington DC 20554 USA

Telephone (202) 418-2700

FAA Digital Obstacle File

Federal Aviation Administration (FAA)

1305 East-West Highway, Station 5631

Silver Spring, MD 20910-3281

Telephone: 301-713-2817

Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

Airport Landing Facilities

Federal Aviation Administration

Telephone (800) 457-6656

Private and public use landing facilities.

Electric Power Transmission Line Data

PennWell Corporation

Telephone: (800) 823-6277

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KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Excessive Radio Frequency Emission

For NEPA actions that come under the authority of the FCC, Commission actions granting construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities, require the determination of whether the particular facility, operation or transmitter would cause human exposure to levels of radio frequency in excess of certain limits.

Federal Contacts for Additional Information

Office of Engineering and Technology
Federal Communications Commission
445 12th Street SW
Washington, DC 20554
Phone: 202-418-2470

OTHER CONTACT SOURCES

NEPA Single Point of Contact

State Contacts for Additional Information
State Grants Team
Governor's Office of Budget & Planning
P.O. Box 12428
Austin, TX 78711
512-305-9415

STREET AND ADDRESS INFORMATION

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Appendix E-3

Web Soil Survey Results



Natural Resources Conservation Service

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

Custom Soil Resource Report for Kerr County, Texas

EUL Site at KD VAMC



Preface

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

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

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://soils.usda.gov/sqi/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<http://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://soils.usda.gov/contact/state_offices/).

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

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

Information about soils is updated periodically. Updated information is available through the NRCS Soil Data Mart Web site or the NRCS Web Soil Survey. The Soil Data Mart is the data storage site for the official soil survey information.

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How Soil Surveys Are Made

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

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

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

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

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

Custom Soil Resource Report

individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

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

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

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

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

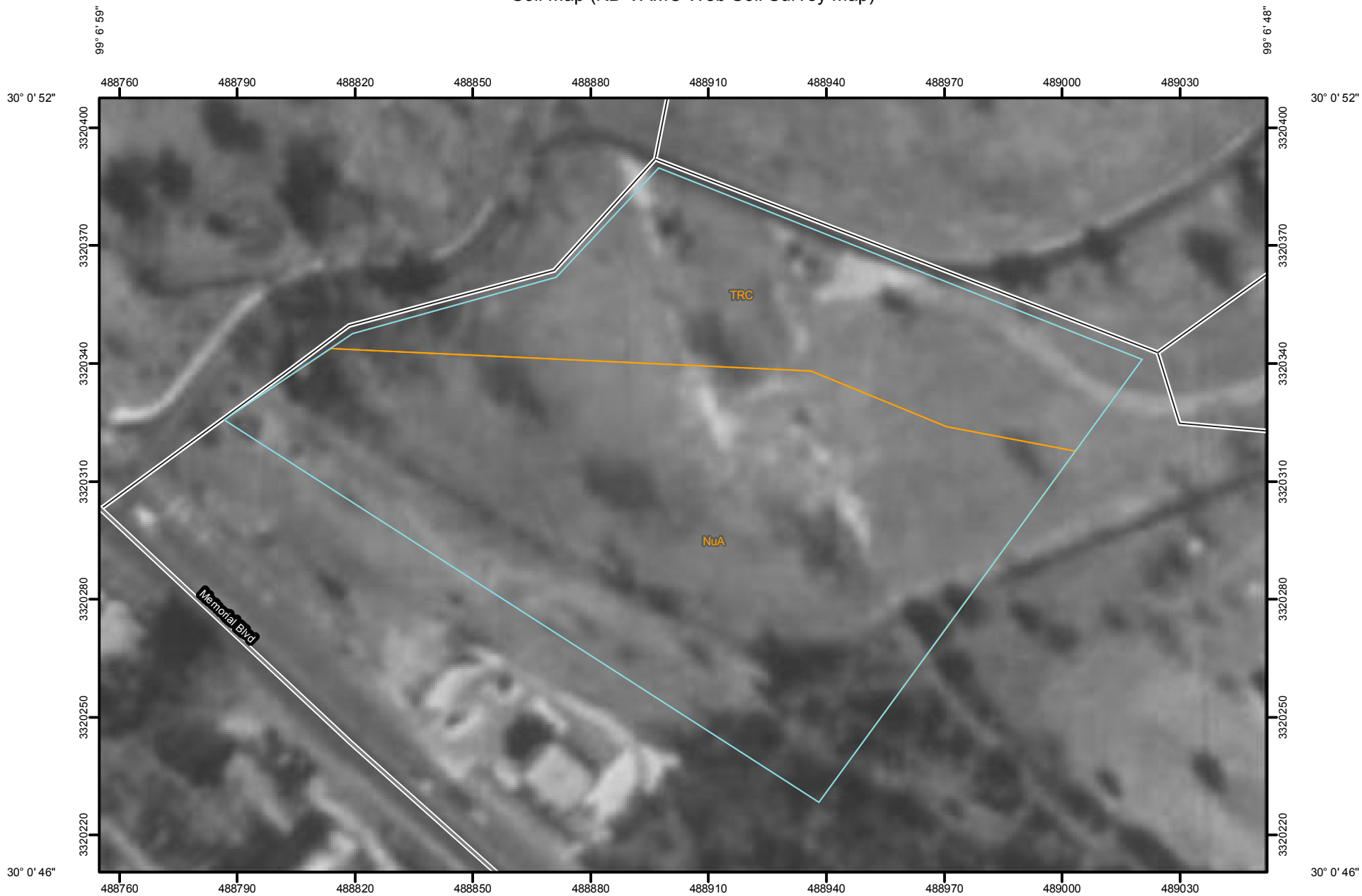
Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree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

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

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

Custom Soil Resource Report Soil Map (KD VAMC Web Soil Survey Map)



99° 6' 59"



Map Scale: 1:1,410 if printed on A size (8.5" x 11") sheet.



99° 6' 48"

99° 6' 48"

30° 0' 46"

30° 0' 46"


30° 0' 52"

30° 0' 52"

Custom Soil Resource Report

MAP LEGEND






















Area of Interest (AOI)


 Area of Interest (AOI)


Soils


 Soil Map Units

Special Point Features




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

 Very Stony Spot

 Wet Spot

 Other



Special Line Features

-  Gully
-  Short Steep Slope
-  Other






Political Features

 Cities

Water Features

-  Oceans
-  Streams and Canals

Transportation

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

MAP INFORMATION

Map Scale: 1:1,410 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:31,680.

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

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
 Coordinate System: UTM Zone 14N NAD83

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

Soil Survey Area: Kerr County, Texas
 Survey Area Data: Version 6, Jan 3, 2007

Date(s) aerial images were photographed: 2/4/1995

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

Map Unit Legend (KD VAMC Web Soil Survey Map)

Kerr County, Texas (TX265)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
NuA	Nuvalde silty clay, 0 to 1 percent slopes	3.2	68.9%
TRC	Tarpley-Roughcreek association, gently undulating	1.4	31.1%
Totals for Area of Interest		4.7	100.0%

Map Unit Descriptions (KD VAMC Web Soil Survey Map)

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

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

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

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments

Custom Soil Resource Report

on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

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

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

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

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

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

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

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

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

Kerr County, Texas

NuA—Nuvalde silty clay, 0 to 1 percent slopes

Map Unit Setting

Elevation: 1,150 to 2,000 feet
Mean annual precipitation: 20 to 28 inches
Mean annual air temperature: 63 to 66 degrees F
Frost-free period: 210 to 240 days

Map Unit Composition

Nuvalde and similar soils: 100 percent

Description of Nuvalde

Setting

Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Alluvium derived from limestone

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 70 percent
Available water capacity: High (about 9.2 inches)

Interpretive groups

Land capability classification (irrigated): 1
Land capability (nonirrigated): 2c
Ecological site: Clay Loam PE 31-44 (R081BY326TX)

Typical profile

0 to 12 inches: Silty clay
12 to 40 inches: Silty clay
40 to 63 inches: Silty clay

TRC—Tarpley-Roughcreek association, gently undulating

Map Unit Setting

Elevation: 1,000 to 2,400 feet
Mean annual precipitation: 24 to 35 inches
Mean annual air temperature: 64 to 70 degrees F
Frost-free period: 215 to 250 days

Map Unit Composition

Tarpley and similar soils: 67 percent
Roughcreek and similar soils: 18 percent
Minor components: 15 percent

Description of Tarpley

Setting

Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from limestone

Properties and qualities

Slope: 1 to 5 percent
Depth to restrictive feature: 13 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Very low (about 2.0 inches)

Interpretive groups

Land capability (nonirrigated): 6s
Ecological site: Redland PE 31-44 (R081BY340TX)

Typical profile

0 to 7 inches: Stony clay loam
7 to 18 inches: Clay
18 to 19 inches: Bedrock

Description of Roughcreek

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder, summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from limestone

Properties and qualities

Slope: 1 to 5 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Available water capacity: Very low (about 2.3 inches)

Custom Soil Resource Report

Interpretive groups

Land capability (nonirrigated): 6s

Ecological site: Redland PE 31-44 (R081BY340TX)

Typical profile

0 to 8 inches: Stony clay

8 to 17 inches: Very stony clay

17 to 20 inches: Bedrock

Minor Components

Unnamed, minor components

Percent of map unit: 15 percent

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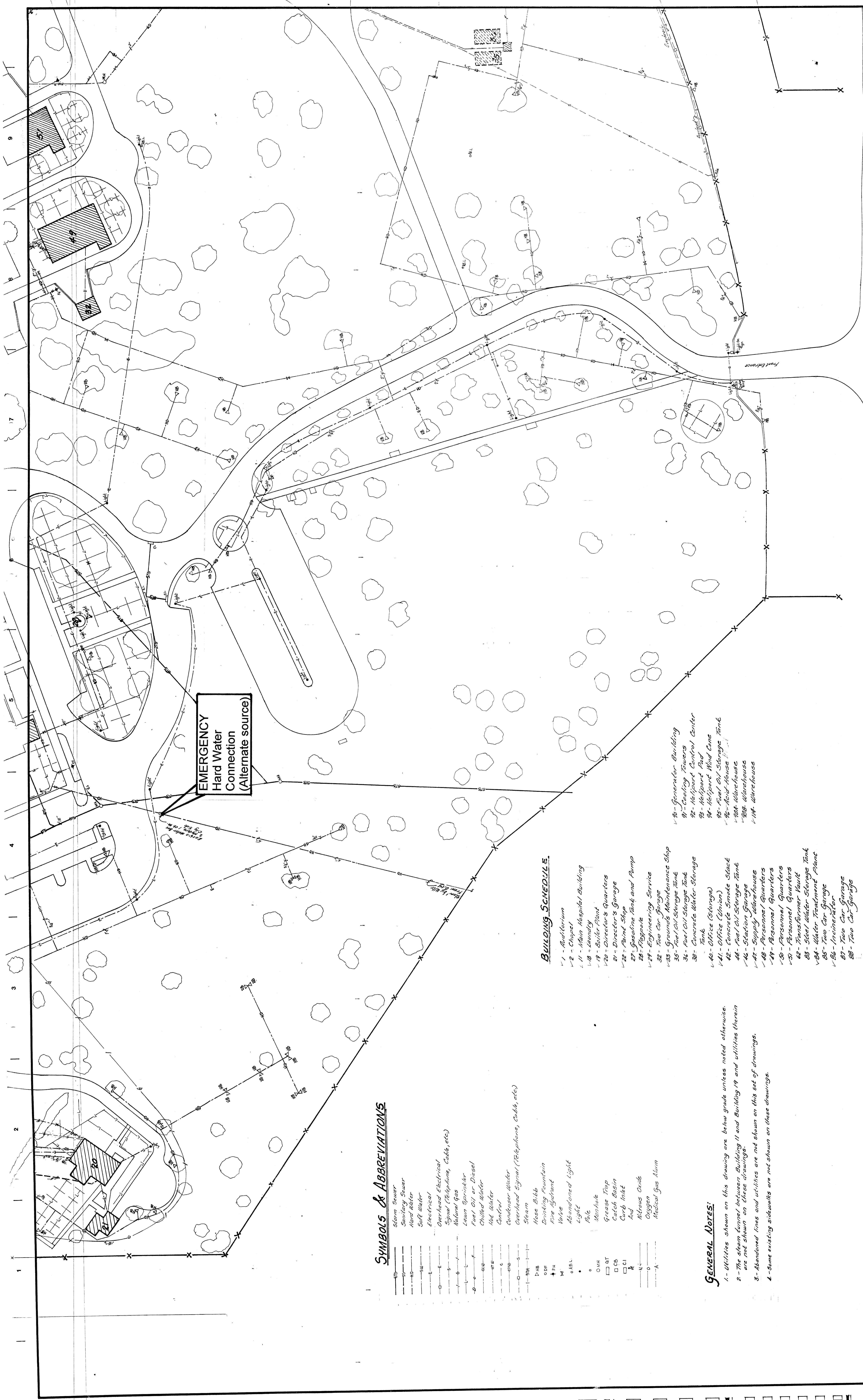
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Custom Soil Resource Report

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APPENDIX E-4
Historic Site Drawings



**EMERGENCY
Hard Water
Connection
(Alternate source)**

SYMBOLS & ABBREVIATIONS

- Storm Sewer
- Sanitary Sewer
- Hard Water
- Soft Water
- Electrical
- Overhead Electrical
- Signal (Telephone, Cable, etc.)
- Natural Gas
- Low Voltage
- Fuel Oil or Diesel
- Chilled Water
- Hot Water
- Condenser Water
- Overhead Signal (Telephone, Cable, etc.)
- Steam
- Hose Bibb
- Drinking Fountain
- Fire Hydrant
- Valve
- Abandoned Light
- Light
- Pole
- Manhole
- Grease Trap
- Catch Basin
- Curb Inlet
- And
- Nitrous Oxide
- Oxygen
- Medical Gas Alarm

BUILDING SCHEDULE

- 1 - Auditorium
- 2 - Chapel
- 11 - Main Hospital Building
- 18 - Laundry
- 19 - Boiler Plant
- 20 - Director's Quarters
- 21 - Director's Garage
- 22 - Band Shop
- 27 - Gasoline Tank and Pump
- 28 - Repose
- 29 - Engineering Service
- 32 - Two Car Garage
- 33 - Grounds Maintenance Shop
- 34 - Fuel Oil Storage Tank
- 35 - Fuel Oil Storage Tank
- 36 - Concrete Water Storage Tank
- 40 - Office (Storage)
- 41 - Office (Clinic)
- 42 - Concrete Storage Tank
- 44 - Fuel Oil Storage Tank
- 46 - Station Garage
- 47 - Supply Warehouse
- 48 - Personnel Quarters
- 49 - Personnel Quarters
- 50 - Personnel Quarters
- 51 - Personnel Quarters
- 62 - Transformer Vault
- 63 - Steel Water Storage Tank
- 64 - Water Treatment Plant
- 65 - Two Car Garage
- 66 - Incinerator
- 67 - Two Car Garage
- 68 - Two Car Garage
- 70 - Generator Building
- 91 - Cooling Towers
- 92 - Helipad Control Center
- 93 - Helipad Pad
- 94 - Helipad Wind Cape
- 95 - Fuel Oil Storage Tank
- 96 - Wood House
- 98A Warehouse
- 98B Warehouse
- 104 - Warehouse

GENERAL NOTES:

- 1 - Utilities shown on this drawing are below grade unless noted otherwise.
- 2 - The steam tunnel between Building 11 and Building 19 and utilities thereon are not shown on these drawings.
- 3 - Abandoned lines and utilities are not shown on this set of drawings.
- 4 - Some existing sidewalks are not shown on these drawings.

Scale: 1" = 40'-0"

Date: 2-28-64

Project No.:

DRAWING No. U-2

Dwg. 2 of 3

Project Title: Site Location
EMERGENCY
Utilities Cutoff Valves

Location: VAMC Kerrville, Texas

Building Number: Site

Drawing Title: ACTIVE UTILITIES
SITE PLAN

Approved: Chief of Engineering Service

Approved: VAMC Assoc. Director

Drawn: J. Ammons

Checked:

Approved: Safety Tech.

Approved: VAMC Assoc. Director

EMERGENCY Cutoff Valves Location

Date

Revisions

15-99

APPENDIX B
CORRESPONDENCE AND RESEARCH
DOCUMENTS

Melissa Reynolds

From: Melissa Reynolds [melissareynolds@stoneenvironmental.com]
Sent: Thursday, April 05, 2012 12:38 PM
To: 'Kristine.Ondrias@Kerrvilletx.gov'
Subject: Request for Information- Deveopment of Elderly Veterans Housing Complex on the Kerrville Division STVHCS property
Attachments: 20120405123432185.pdf

Re: National Environmental Policy Act (NEPA) Assessment
Vacant land located on the southeast side of the
Kerrville Division, South Texas Veterans Health Care System (STVHCS)
3600 Memorial Blvd.
Kerrville, Texas 78028

Dear Ms. Ondrias,

Stone Environmental is conducting a NEPA Assessment on the above referenced property. An Enhanced Use Lease (EUL) site has been proposed to develop an elderly Veterans assisted living complex in an undeveloped portion of the Kerrville, STVHCS site.

This facility will be completed in two phases and the first phase of the project will result in a three story, 43,073 square foot complex consisting of 49 housing units. The complete project includes the addition of a storm water retention pond on the western portion of the site and landscaping throughout the property that includes existing trees that should blend in with the surrounding vicinity.

After researching the site and the surrounding vicinity, Stone Environmental does not foresee any negative impact on the surrounding community if the proposed site development is implemented.

We would like to request any input you can provide as to potential positive or negative impact your office foresees from the implementation of this project. The attached figures detail the proposed site design for the EUL project and the location and vicinity of the proposed site development in relation to the Kerrville Division, STVHCS.

Your assistance in this matter is greatly appreciated. Please respond by mail to 748A Green Crest Drive, Westerville, OH 43081, email at melissareynolds@stoneenvironmental.com, or fax to 614.865.1879.

Sincerely,

Melissa S. Reynolds
Environmental Technician

**Stone Environmental Engineering
& Science, Inc.**
www.StoneEnvironmental.com
748A Green Crest Drive
Westerville, OH 43081
P 614.865.1874
F 614.865.1879

4/5/2012

April 5, 2012

Texas Historical Commission
1511 Colorado
Austin, TX 78701
Fax: 512-463-7002

Re: National Environmental Policy Act (NEPA) Assessment
Vacant land located on the southeast side of the
Kerrville Division, South Texas Veterans Health Care System (STVHCS)
3600 Memorial Blvd.
Kerrville, Texas 78028

Dear Texas Historical Commission:

Stone Environmental is conducting a NEPA Assessment on the above referenced property. An Enhanced Use Lease (EUL) site has been proposed to develop an elderly Veterans assisted living complex in an undeveloped portion of the Kerrville, STVHCS site.

Historic sites in the vicinity include the Brown Cemetery (within ½-mile to the northeast) and the Texas Lions Camp (located within 1-mile to the southeast).

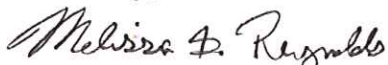
After researching the proposed EUL site and surrounding vicinity, Stone Environmental concludes that proceeding with development of this site as proposed will have no impact on the historic sites found in the Kerrville area.

The attached figures detail the proposed site design for the EUL project and the location and vicinity of the proposed site development in relation to the Kerrville Division, STVHCS.

Stone Environmental requests a determination from your office as to whether no impact is foreseen or if potential impacts are found, please provide details on these sites and how they may be impacted from the proposed project.

Your assistance in this matter is greatly appreciated. Please respond by mail to 748A Green Crest Drive, Westerville, OH 43081, email at melissareynolds@stoneenvironmental.com, or fax to 614.865.1879.

Sincerely,



Melissa S. Reynolds
**STONE ENVIRONMENTAL ENGINEERING
AND SCIENCE, INC.**
attachments

TEXAS HISTORICAL COMMISSION

real places telling real stories

April 18, 2012

Melissa Reynolds
Stone Environmental
748A Green crest Drive
Westerville, OH 43081

Re: Project review under the National Historic Preservation Act: Proposed Veterans assisted living complex, Kerrville, TX (VA; Track #201208613)

Dear Ms. Reynolds:

Thank you for your correspondence describing the above referenced project. This letter serves as comment on the proposed undertaking from the State Historic Preservation Officer, the Executive Director of the Texas Historical Commission.

The review staff, led by Tiffany Osburn, has examined our records. According to our maps, the tract proposed for development is in an area that has the potential for deeply buried archeological deposits. The project does have the potential to impact buried archeological resources. Although no sites are recorded on the tract proposed for development, it has never been surveyed by a professional archeologist.

We would recommend that a professional archeologist survey the tract. This work should include backhoe trenching and should meet the minimum archeological survey standards posted on-line at www.thc.state.tx.us. A report of investigations should be produced in conformance with the Secretary of the Interior's Guidelines for Archaeology and Historic Preservation, and submitted to this office for review. The report should include information on the existing masonry structure and park features, including when the park was built and by whom. You may obtain lists of most professional archeologists in Texas on-line at: www.councilof-texasarcheologists.org or www.rpanet.org. Please note that other potentially qualified archeologists not included on these lists may be used.

Thank you for your cooperation in this federal review process, and for your efforts to preserve the irreplaceable heritage of Texas. **If you have any questions concerning our review or if we can be of further assistance, please contact Tiffany Osburn at 512/463-8883.**

Sincerely,



for
Mark Wolfe, State Historic Preservation Officer

MW/to



TEXAS HISTORICAL COMMISSION

real places telling real stories

May 2, 2012

Jim Lavery
Department of Veterans Affairs
Office of Asset Enterprise Management
810 Vermont Avenue, Rm 275
Washington DC NW 20420

Re: Review of Additional Information: Proposed Veterans assisted living complex, Kerrville, TX (VA; Track #201208613)

Dear Mr. Lavery:

Thank you for your correspondence describing the above referenced project. This letter serves as comment on the proposed undertaking from the State Historic Preservation Officer, the Executive Director of the Texas Historical Commission.

The review staff, led by Tiffany Osburn, has examined the additional information sent to our office by Mr. Lavery of the Department of Veterans Affairs. We have determined that the project may proceed without the need for an archeological survey and that there will be no effect to historic properties. In the future, our reviews are greatly assisted by photographs of the project area and detailed maps, including topographic maps, soil maps, aerial photographs, and historic maps.

Please also take a minute to review our *Request for SHPO Consultation Form*, which can be found on our website at <http://www.thc.state.tx.us/erm/crmsend.shtml> and lists additional information that will expedite our review. We will complete our review upon receipt of the additional information.

Thank you for your cooperation in this federal review process, and for your efforts to preserve the irreplaceable heritage of Texas. **If you have any questions concerning our review or if we can be of further assistance, please contact Tiffany Osburn at 512/463-8883 or tiffany.osburn@thc.state.tx.us.**

Sincerely,



for
Mark Wolfe, State Historic Preservation Officer

MW/to

Cc: Melissa Reynolds, Stone Environmental



TEXAS HISTORICAL COMMISSION

real places telling real stories

May 2, 2012

Melissa Reynolds
Stone Environmental
748A Green crest Drive
Westerville, OH 43081

Re: Review of Additional Information: Proposed Veterans assisted living complex, Kerrville, TX
(VA; Track #201208613)

Dear Ms. Reynolds:

Thank you for your correspondence describing the above referenced project. This letter serves as comment on the proposed undertaking from the State Historic Preservation Officer, the Executive Director of the Texas Historical Commission.

The review staff, led by Tiffany Osburn, has examined the additional information sent to our office by Mr. Lavery with the Department of Veterans Affairs. We have determined that the project may proceed without the need for an archeological survey and that there will be no effect to historic properties. In the future, our reviews are greatly assisted by photographs of the project area and detailed maps, including topographic maps, soil maps, aerial photographs, and historic maps.

Please also take a minute to review our *Request for SHPO Consultation Form*, which can be found on our website at <http://www.thc.state.tx.us/crm/crmsend.shtml> and lists additional information that will expedite our review. We will complete our review upon receipt of the additional information.

Thank you for your cooperation in this federal review process, and for your efforts to preserve the irreplaceable heritage of Texas. **If you have any questions concerning our review or if we can be of further assistance, please contact Tiffany Osburn at 512/463-8883 or tiffany.osburn@thc.state.tx.us.**

Sincerely,



for
Mark Wolfe, State Historic Preservation Officer

MW/to

Cc: Jim Lavery, Department of Veterans Affairs



Texas Lions Camp[Report Error](#)

Marker
Number: 13248

Marker Title: Texas Lions Camp

Index Entry: Texas Lions Camp

Address: SH 27, Happiness Rd

City: Kerrville

County: Kerr

UTM Zone: 14

UTM Easting: 489704

UTM
Northing: 3319467

Subject
Codes: fraternal organizations; youth organizations

Year Marker
Erected: 2004

Designations: na

Marker
Location: SH 27 just past Veterans Pkwy, on Lions Camp property

Marker Size: 27" x 42"

Marker Text: Located on land once owned by Kerrville founder Joshua Brown, this has been the site of rehabilitative facilities since the 1920s, when the American Legion established a sanatorium here, followed by a United States Veterans Administration hospital in 1925. In 1948, as a nationwide polio epidemic raged, local Lion Jack Roe, working with the Kerrville Lions Club, promoted the concept of a special camp for children afflicted with the disease. A social worker with the Texas Department of Public Welfare, Roe had seen handicapped children turned away from other summer camps, and in response he made it his mission to create a place where they could experience the joys of nature at a camp designed for their unique needs. Roe and the local Lions Club members worked with other clubs around Texas to promote establishment of the camp, and in 1949 they received endorsement from the Lions International Convention. A statewide fundraising effort and the assistance of then-U.S. Sen. Lyndon B. Johnson led to the purchase of 504 acres of land at this site from the federal government in 1950. The camp officially opened on June 8, 1953, with 40 campers who participated in the formal dedication celebration on July 3, 1953. The camp also provided training facilities for clients of the Texas Commission for the Blind from 1958 to 1984, and since 1971 has included special programs for children with diabetes. It celebrated a milestone in 2003, marking service to a total of 50,000 children since its opening. The Texas Lions Camp has served as a place of education and respite for children with special needs for more than half a century. Its programs, still supported by Lions clubs throughout the state, reflect the Lions motto "We Serve" by providing campers with education, entertainment and memories to last their lifetimes. (2005)

Brown Cemetery[Report Error](#)

*Marker
Number:* 527

Marker Title: Brown Cemetery

Index Entry: Brown Cemetery

Address:

City: Kerrville

County: Kerr

UTM Zone: 14

UTM Easting: 489400

UTM Northing: 3320254

*Subject
Codes:* graveyards; pioneers

*Year Marker
Erected:* 1986

Designations: na

*Marker
Location:* from Kerrville take SH 27 3 miles; turn N onto Spur 100 - continue to cemetery

Marker Size: 18" x 28"

Marker Text: During the late 1840s, Joshua D. Brown (1816-1876) traveled from Gonzales and established a cypress shingle mill on the site of what is now Kerrville. This cemetery dates from 1872, when Brown's nephew, Thomas Goss was buried here. The graves of Brown and his wife, Sarah Jane (Goss), and Sarah's parents, the Rev. John and Mary Goss, are also located here. In 1923, use of part of the Brown Cemetery was granted to the Woman's Auxiliary of a local American Legion post for a veterans' burial ground that came to be called Kerrville National Cemetery. Texas Sesquicentennial 1836-1986

April 5, 2012

Southern Plains Regional Division
Bureau of Indian Affairs
WCD Office Complex
P.O. Box 368
Anadarko, OK 73005
Fax: 405-247-5611

Re: National Environmental Policy Act (NEPA) Assessment
Vacant land located on the southeast side of the
Kerrville Division, South Texas Veterans Health Care System (STVHCS)
3600 Memorial Blvd.
Kerrville, Texas 78028

Dear Southern Plains Regional Division:

Stone Environmental is conducting a NEPA Assessment on the above referenced property. An Enhanced Use Lease (EUL) site has been proposed to develop an elderly Veterans assisted living complex in an undeveloped portion of the Kerrville, STVHCS site.

Stone Environmental could not find any evidence of Native American religious sites or reservations located on the site or in the surrounding vicinity of the site.

The attached figures detail the proposed site design for the EUL project and the location and vicinity of the proposed site development in relation to the Kerrville Division, STVHCS.

Stone Environmental requests a determination as to whether your office concurs that there are no sites of Native American significance on or within the vicinity of the site that would be impacted by the proposed development.

Your assistance in this matter is greatly appreciated. Please respond by mail to 748A Green Crest Drive, Westerville, OH 43081, email at melissareynolds@stoneenvironmental.com, or fax to 614.865.1879.

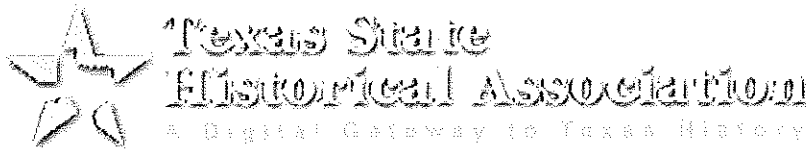
Sincerely,



Melissa S. Reynolds

**STONE ENVIRONMENTAL ENGINEERING
AND SCIENCE, INC.**

attachments



INDIAN RESERVATIONS

INDIAN RESERVATIONS. After the annexation of Texas, the federal government assumed control of Indian affairs but had no authority to settle the Indians on reservations in the state since Texas retained ownership of the public lands. The Indians in East and North Central Texas were generally peaceful but were being hemmed in by the advance of frontier settlement in the south and the attacks of hostile northern tribes. Retaliation took the form of depredations against the frontier settlements, participated in by the greater part of the previously friendly tribes. The state government finally recognized the need for separate lands for the Indians, and on February 16, 1852, passed a bill authorizing the governor to negotiate with the federal government regarding territory for reservations. A bill was passed on February 6, 1854, setting aside twelve leagues of land for Indian reservations to be selected, surveyed, and governed by the United States government, but to revert to state jurisdiction when no longer used by the Indians. These twelve leagues, according to the act, were to be in three separate districts, or less, each to be approximately square. The War Department on April 26, 1854, ordered Randolph B. Marcy, in conjunction with Indian agent Robert S. Neighbors, to locate and survey land for the Indian reservations in unsettled territory, preferably on timbered land of good soil adjacent to navigable water. The sites selected after consultation with the various Indian groups concerned were four leagues of land, or 18,576 acres, on the Brazos River below Fort Belknap near the site of present Graham (see BRAZOS INDIAN RESERVATION), and another tract of the same size forty miles away on the Clear Fork of the Brazos (see COMANCHE INDIAN RESERVATION). The third tract of four leagues adjoined the one on the Brazos and was intended for the use of the Indians living west of the Pecos River, chiefly the Mescalero Apaches and the Lipan Apaches. These western Indians, however, failed to come in to the reservation, and this tract was given over to the use of the Brazos agency, making that reservation total eight leagues, or 37,152 acres. Both reservations reverted to the state when the Indians were removed to the Indian Territory in 1859.

One other reservation experiment, that with the Alabama-Coushatta Indians, proved more successful. The Alabama-Coushattas had some sort of genius for peace and diplomacy lacking in the other tribes, for during the long period of Indian-white conflict in Texas they remained aloof from the struggle. Even Mirabeau B. Lamar, implacable foe of the Indians generally, stated in his message to the legislature on November 12, 1839, that the Alabama-Coushatta should be guaranteed occupancy of the land, and the Fourth Congress provided two leagues for the Alabamas and two leagues for the Coushattas. The encroachment of white settlers, however, prevented the complete occupancy of these tracts, and the Indians had no permanent home until 1854, when by legislative act the state provided for the purchase of 1,280 acres of land in Polk County as a combined reservation for these two groups. The Alabama-Coushatta Indian Reservation was increased in 1928 by federal purchase to 4,351 acres. From 1928 to 1954 the Alabama-Coushattas were trustees of the federal government, thus the management of the reservation was left to the discretion of the national government. In 1954 the state of Texas took over as a guardian of the Alabama-Coushattas and nine years later established the Texas Commission for Indian Affairs to deal with the management and administration of the tribe and their lands. In 1968 the Tigua Indians of Ysleta del Sur Pueblo received federal recognition and came under the jurisdiction of the commission, which changed its name to the Texas Indian Commission by 1977.

In 1986 the Alabama-Coushatta Reservation was the home to 510 people. The reservation land consisted of 4,766 acres, of which 3,071 was held in trust by the state of Texas and 1,280 was managed directly by the inhabitants. Income was generated through the operation of a tourist complex that includes a gift shop, restaurant, museums, campgrounds, and fishing facilities. The Tigua Indians, a pueblo tribe with historic claims to most of the land in the El Paso area, lost their homelands in the nineteenth century, when state and federal authorities took legal possession of the land. In 1968 the group gained formal recognition from both the federal and state government. Most of the tribe's ninety-seven-acre reservation is in the city limits of El Paso and Ysleta in El Paso County. Like the Alabama-Coushattas the Tiguas rely on tourism to generate revenues. Some residences are located on the reservation, but most of the Indians do not live there. In 1985 the Texas Band of Traditional Kickapoo received federal recognition as a distinct American Indian group. Along with the recognition came federal and state economic assistance to its members. The

state designated 125.4 acres on the Rio Grande close to Eagle Pass as reservation lands. Most of this land is used by for residences and community institutions.

BIBLIOGRAPHY: Virginia Pink Noël, *The United States Indian Reservations in Texas, 1854–1859* (M.A. thesis, University of Texas, 1924). Harriet Smither, "The Alabama Indians of Texas," *Southwestern Historical Quarterly* 36 (October 1932). Texas Indian Commission, *The Texas Indian Commission and American Indians in Texas: A Short History with Definitions and Demographics* (Austin, 1986).

Citation

W. E. S. Dickerson

The following, adapted from the *Chicago Manual of Style*, 15th edition, is the preferred citation for this article.

W. E. S. Dickerson, "INDIAN RESERVATIONS," *Handbook of Texas Online* (<http://www.tshaonline.org/handbook/online/articles/bpi01>), accessed April 23, 2012. Published by the Texas State Historical Association.

UNITED STATES
DEPARTMENT OF VETERANS AFFAIRS



Kerrville, Texas Enhanced-Use Lease



VA South Texas Health Care System

Kerrville Division
3600 Memorial Boulevard
Kerrville, TX 78028
Phone: (210) 617-5300/(877) 469-5300
<http://www.southtexas.va.gov/southtexas/index.asp>

The VA Building Utilization Review and Repurposing Initiative (BURR) has identified five (5) acres of vacant land at the VA Kerrville Division of the South Texas Veterans Health Care System in Kerrville, Texas for a long term ground lease. VA is soliciting qualified developers to submit proposals to finance, design, develop, construct, equip, furnish and maintain a new Assisted Living and/or Senior/Non-Seniors Independent Housing Residences/Facility, for at risk Veterans, with priority placement for Veterans and their families.

The Kerrville Division (KD) began operations in 1947 and is a 70 acre campus located 65 miles Northwest of San Antonio. Prior to that time, the American Legion began to construct facilities on the site, following WWI. Most of the facilities were constructed in 1923 and the site is still referred to locally as "Legion." Kerrville Division services include 20 acute beds and 4 urgent care, primary and 154 authorized long term care beds are provided for veterans residing in the Texas Hill Country. Today, acute medical, intermediate medical, primary and long term care services are provided for an estimated 16,000 Veterans residing in the Texas Hill Country. Comprised of 226 authorized hospital beds and a 154 bed Nursing Home Care Unit, the KD provides such services and technology as geriatric evaluation and management, hospice care and a computerized tomography scanner. Kerrville enjoys successful affiliations with local institutions such as the Schreiner and Howard Colleges. The KD has developed an extensive primary care delivery system and was the recipient of the VA Deputy Secretary's Scissors Award for their accomplishments. The KD is part of the [South Texas Veterans Health Care System](#) and the [Heart of Texas Veterans Integrated Service Network \(VISN 17\)](#) located in Arlington, TX.

News and Updates

- In an ongoing effort to eliminate homelessness among Veterans and their families, VA is proceeding with an agreement with a third-party provider to provide 100 assisted living/extended care units of housing.
- The [Request for Proposal](#) closed October 6, 2011.
- Potential respondents to the VA Kerrville Division RFP should note that the Executive Summary of the Phase I Environmental Site Assessment was contained as Attachment E of the RFP. Respondents who wish to access the entire document may also email VA.EUL.BURR.Kerrville@va.gov prior to September 28, 2011. Please note that the Phase 1 Environmental Assessment revealed 'no recognized environmental conditions'.
- The Public Hearing was held on July 19, 2011.
- To stay informed with the latest information please subscribe to the [VA Enhanced Use Lease Initiatives News](#) RSS feed.

If you have any questions, please to send an email to VA.EUL.BURR.Kerrville@va.gov.

U.S. Department of Veterans Affairs - 810 Vermont Avenue, NW - Washington, DC 20420

Reviewed/Updated Date: November 10, 2011

Texas Foreclosures and Public Notices

PUBLIC HEARING NOTICE U.S. DEPT. OF VETERANS AFFAIRS The Department of Veterans Affairs (VA), in accordance with present VA's proposal and receive views for an Enhanced-Use Lease (EUL) of certain property at the Kerrville Division, South Texas Veterans Health Care System 3600 Merton Minter Blvd Kerrville, Texas 78701. HEARING DATE: July 19, 2011, 5:00 PM CST HEARING LOCATION: Kerrville Division South Texas Veterans Health Care System 3600 Merton Minter Blvd Kerrville, Texas 78701. PROPERTY TO BE LEASED: The Kerrville Division is located in Kerrville, Texas. The campus sits on approximately 5 acres of vacant land and is located in the southeast quadrant of the Kerrville Division campus. The site is generally zoned for professional office space. DESCRIPTION OF THE PROPOSED USE OF THE PROPERTY: VA seeks to select a developer for the proposed EUL opportunity on the above-described property, for use as an Assisted Living Facility and/or a Senior/Non-Seniors Independent Housing Facility, all with priority professional office space component and/or compatible personal services. DESCRIPTION OF THE PROPOSED LEASE: Use of the property by a competitively-selected developer for a term of up to 75 years. The EUL lessee will be required to finance, design, develop, construct, and maintain a limited professional office space/personal services component, if developed) in accordance with applicable Federal, State, and local laws. The lessee is required to provide VA with "fair consideration" as determined by the Secretary, which is to be in the form of negotiated cash payments. At the end of the term, the underlying improvements will revert to VA. The public is invited to attend the hearing and are encouraged to submit comments. For more information, contact: Veterans Health Care System Attention: Kathryn Gifford Public Affairs Officer 7400 Merton Minter Blvd San Antonio, Texas 78229. Location: | Publication date: 06/30/11

Kerr CAD

Property Search Results > 64954 AMERICAN LEGION VETERANS ADMINISTRATION for Year 2012

Property

Account
 Property ID: 64954 Legal Description: ABS A0359 WALLACE, SUR 111,TRACT (ORIGINALLY 748 ACS),BLOCK (VA HOSPITAL),ACRES 40.0
 Geographic ID: 0359-0111-035000 Agent Code:
 Type: Real
 Property Use Code:
 Property Use Description:
Location
 Address: 3600 MEMORIAL BLVD Mapsco:
 Neighborhood: Map ID: O32
 Neighborhood CD:
Owner
 Name: AMERICAN LEGION VETERANS ADMINISTRATION Owner ID: 557256
 Mailing Address: SANATORIUM % Ownership: 100.000000000000%
 3600 MEMORIAL BLVD
 KERRVILLE, TX 78028-5768
 Exemptions: EX

Values

(+) Improvement Homesite Value: + N/A
 (+) Improvement Non-Homesite Value: + N/A
 (+) Land Homesite Value: + N/A
 (+) Land Non-Homesite Value: + N/A Ag / Timber Use Value
 (+) Agricultural Market Valuation: + N/A N/A
 (+) Timber Market Valuation: + N/A N/A
 (=) Market Value: = N/A
 (-) Ag or Timber Use Value Reduction: - N/A
 (=) Appraised Value: = N/A
 (-) HS Cap: - N/A
 (=) Assessed Value: = N/A

Taxing Jurisdiction

Owner: AMERICAN LEGION VETERANS ADMINISTRATION
 % Ownership: 100.000000000000%
 Total Value: N/A

Entity	Description	Tax Rate	Appraised Value	Taxable Value	Estimated Tax
CAD	Central Appraisal District	N/A	N/A	N/A	N/A
CKV	CITY OF KERRVILLE	N/A	N/A	N/A	N/A
GKR	KERR COUNTY	N/A	N/A	N/A	N/A
RLT	LATERAL ROADS	N/A	N/A	N/A	N/A
SKV	KERRVILLE I.S.D.	N/A	N/A	N/A	N/A
UGR	UPPER GUADALUPE RIVER AUTHORITY	N/A	N/A	N/A	N/A
WHU	HEADWATERS GROUNDWATER CONSERVATION DISTRICT	N/A	N/A	N/A	N/A
Total Tax Rate:		N/A			
Taxes w/Current Exemptions:					N/A
Taxes w/o Exemptions:					N/A

Improvement / Building

No improvements exist for this property.

Land

#	Type	Description	Acres	Sqft	Eff Front	Eff Depth	Market Value	Prod. Value
1	F1	F1	40.0000	1742400.00	0.00	0.00	N/A	N/A

Roll Value History

Year	Improvements	Land Market	Ag Valuation	Appraised	HS Cap	Assessed
2012		N/A	N/A	N/A	N/A	N/A
2011		\$0	\$240,000	0	240,000	\$0 \$240,000
2010		\$0	\$240,000	0	240,000	\$0 \$240,000
2009		\$0	\$240,000	0	240,000	\$0 \$240,000
2008		\$0	\$240,000	0	240,000	\$0 \$240,000
2007		\$0	\$240,000	0	240,000	\$0 \$240,000
2006		\$0	\$240,000	0	240,000	\$0 \$240,000
2005		\$0	\$240,000	0	240,000	\$0 \$240,000
2004		\$0	\$240,000	0	240,000	\$0 \$240,000
2003		\$0	\$240,000	0	240,000	\$0 \$240,000
2002		\$0	\$240,000	0	240,000	\$0 \$240,000
2001		\$0	\$240,000	0	240,000	\$0 \$240,000
2000		\$0	\$240,000	0	240,000	\$0 \$240,000
1999		\$0	\$240,000	0	240,000	\$0 \$240,000

Deed History - (Last 3 Deed Transactions)

#	Deed Date	Type	Description	Grantor	Grantee	Volume	Page	Deed Number
---	-----------	------	-------------	---------	---------	--------	------	-------------

1 2/19/1925 12.00.00 AM OT MISC UNITED STATES O AMERICAN LEGIO 0045 0471-476 0

Tax Due

Property Tax Information as of 04/04/2012

Amount Due if Paid on: -

Year	Taxing Jurisdiction	Taxable Value	Base Tax	Base Taxes Paid	Base Tax Due	Discount / Penalty & Interest	Attorney Fees	Amount Due
------	---------------------	---------------	----------	-----------------	--------------	-------------------------------	---------------	------------

NOTE: Penalty & Interest accrues every month on the unpaid tax and is added to the balance. Attorney fees may also increase your tax liability if not paid by July 1. If you plan to submit payment on a future date, make sure you enter the date and RECALCULATE to obtain the correct total amount due.

Questions Please Call (830)-895-5223

This year is not certified and ALL values will be represented with "N/A".

Website version: 1.2.2.2

Database last updated on: 3/14/2012 8:52 PM © 2012 True Automation, Inc. All Rights Reserved. Privacy Notice
This site only supports Internet Explorer 6+, Netscape 7+ and Firefox 1.5+.



Kerrville, Texas Enhanced-Use Lease Project Details

**KERRVILLE, TEXAS VA DISTRICT CAMPUS *
PROPERTY AVAILABLE FOR HOUSING DEVELOPMENT**



Description of Available Property	
VAH Address	3600 Memorial Boulevard, Kerrville, Texas 78028
Buildings Available	None
Vacant Land Available	5-acre Parcel: Relatively flat land parcel located in the southeast corner of the campus; no known encumbrances or environmental considerations.
Access to Public Transportation	VA Kerrville District Campus does not contain direct access to public transportation.
Utilities Information	All utilities are either present or within an extendable distance.
For Additional Information	Email VA.EUL.BURR.Kerrville@va.gov



LPST Database Query Results

The data was last updated on April 12, 2012.

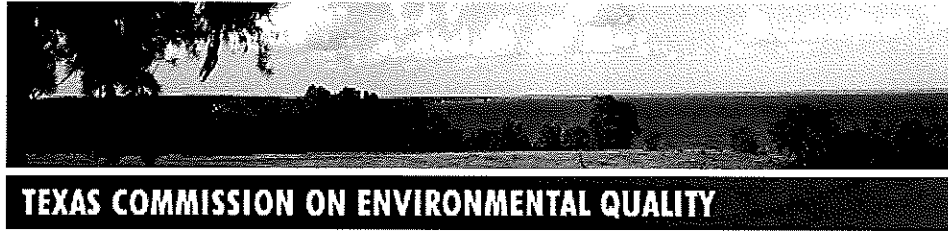
LPST ID #: 91403	Facility ID #: 0040465
Facility Name: VA MEDICAL CENTER	
Discovered: 7/23/1987	Reported: 7/23/1987
Facility Address: 3600 MEMORIAL BLVD , KERRVILLE 78028-	
County: KERR	
TCEQ Region Number and City: 13, SAN ANTONIO	
Federal Facility?: N	
Responsible Party: V A MEDICAL CENTER	
Address: 3600 MEMORIAL BLVD , KERRVILLE, TX 78028-	
Contact: MR W CONNER,	Phone: 512 896-2020
Priority Code and Description: 4.1, GW IMPACTED, NO APPARENT THREATS OR IMPACTS TO RECEPTORS	
Status Code and Description: 6P, FINAL CONCURANCE PENDING DOCUMENTATION OF WELL PLUGGING	
Water Contaminated?: Y	Depth to Water: 10
Coordinators: Primary: 1_RPR: RPR DISTRICT:	

Glossaries of terms used in the [Correspondence Type](#), [TCEQ Action](#), and [Staff](#) columns.

Correspondence						
Correspondence Type	Correspondence Date	Last Action	Current Coord.	TCEQ Action	Action Date	TCEQ Staff
				CAD	9/9/1987	PKF
RQT EXSTN	9/29/1987			NLR	12/21/1987	PKF
PHASE2RPT	10/30/1987			RR	12/21/1987	PKF
QTR MONIT	6/28/1988			RR	7/26/1988	PKF
RQT EXSTN	9/2/1988			RR	3/20/1989	PKF
COMP ASMNT	5/18/1990			RATR	10/19/1992	KMC
QTR MONIT	10/31/1990			RATR	10/19/1992	KMC
QTR MONIT	1/7/1991			RATR	10/19/1992	KMC
RAP	5/9/1991			RATR	10/19/1992	KMC
QTR MONIT	5/13/1991			RATR	10/19/1992	KMC
QTR MONIT	10/17/1991			RATR	10/19/1992	KMC
QTR MONIT	7/29/1992			RATR	10/19/1992	KMC
				CLARIFY1-6	12/28/1992	JFH
				ACTN RQST	3/2/1993	RRP
				STARTUP	9/1/1995	WDC
SAR OPT 1	11/1/1995			FINAL	2/11/1997	HLN
SCR	10/15/1996			SAR-RPT-OD	6/24/1996	WDC
OTHER	1/30/1997			FINAL	2/11/1997	HLN
				RR	2/11/1997	HLN

[Run a new query.](#)

Remediation System Shutdown/ Site Closure Report



LPST Database Query Results

The data was last updated on April 12, 2012.

LPST ID #: 105075	Facility ID #: 0040065
Facility Name: DEPT OF VETERAN AFFAIRS	
Discovered: 10/19/1992	Reported: 10/19/1992
Facility Address: 3600 MEMORIAL BLVD , KERRVILLE 78028-	
County: KERR	
TCEQ Region Number and City: 13, SAN ANTONIO	
Federal Facility?: N	
Responsible Party: DEPT OF VETERAN AFFAIRS	
Address: PO BOX 12485 , SAN ANTONIO, TX 78212-	
Contact: MS KRISTIAN KLECK,	Phone: 512 829-7817
Priority Code and Description: 4.2, NO GW IMPACT, NO APPARENT THREATS OR IMPACTS TO RECEPTORS	
Status Code and Description: 6A, FINAL CONCURRENCE ISSUED, CASE CLOSED	
Water Contaminated?: N	Depth to Water:
Coordinators: Primary: 1_RPR; RPR DISTRICT: CFS	

Glossaries of terms used in the [Correspondence Type](#), [TCEQ Action](#), and [Staff](#) columns.

Correspondence						
Correspondence Type	Correspondence Date	Last Action	Current Coord.	TCEQ Action	Action Date	TCEQ Staff
TANK CLSR	5/10/1993			RR	2/11/1997	HLN
TANK CLSR	6/11/1993			RR	2/11/1997	HLN
				STARTUP	9/1/1995	WDC
				STARTUP-OD	11/9/1995	WDC
SCR	10/15/1996	11/6/1996	HLN	FINAL	2/11/1997	HLN
		Run a new query.				

Remediation System

[Contact us](#) if you have any questions.

Shutdown/Site Closure

Last Modified: March 28, 2012

Report



LPST Database Query Results

The data was last updated on April 12, 2012.

LPST ID #: 118310	Facility ID #: 0040465
Facility Name: VA MEDICAL CENTER	
Discovered: 9/10/2007	Reported: 3/1/2010
Facility Address: 3600 MEMORIAL BLVD , KERRVILLE 78028-	
County: KERR	
TCEQ Region Number and City: 13, SAN ANTONIO	
Federal Facility?: Y	
Responsible Party: VA MEDICAL CENTER ENG SERVICES	
Address: 3600 MEMORIAL BLVD , KERRVILLE, TX 78028-	
Contact: MR MICHAEL BOWLBY,	Phone: 830 792-2558
Priority Code and Description: 4.0, ASSESSMENT INCOMPLETE, NO APPARENT RECEPTORS IMPACTED	
Status Code and Description: 6P, FINAL CONCURRENCE PENDING DOCUMENTATION OF WELL PLUGGING	
Water Contaminated?:	Depth to Water:
Coordinators: Primary: 1P_RPR; DB2 DISTRICT:	

Glossaries of terms used in the [Correspondence Type](#), [TCEQ Action](#), and [Staff](#) columns.

Correspondence						
Correspondence Type	Correspondence Date	Last Action	Current Coord.	TCEQ Action	Action Date	TCEQ Staff
REL DET	3/1/2010			REF - PRIV FINAL	5/19/2010 5/26/2010	DB2 DB2
Run a new query.						

Release Determination
Final

[Contact us](#) if you have any questions.

Last Modified: March 28, 2012

MEDICAL CENTER
KERRVILLE

AUG 22 1995
10:45 AM

91403 U.A. MEDICAL CENTER
3600 MEMORIAL. KERRVILLE

3
0
4
1
9

Barry R. McBee, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Dan Pearson, *Executive Director*



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

February 11, 1997

Mr. Walt Conner
Department of Veteran Affairs
3600 Memorial Boulevard
Kerrville, Texas 78028

Re: Leaking Product Storage Tank (LPST) Case Closure of Subsurface Release of Hydrocarbons at the Veterans Administration Medical Center, 3600 Memorial Boulevard, Kerrville (Kerr County), Texas
(LPST ID No. 91403 - Priority 4.1 - Facility ID No. 0040465)

Dear Mr. Conner:

This letter confirms the completion of corrective action requirements for the release incident at the above-referenced facility. Based upon the submitted information and with the provision that the documentation provided to this agency was accurate and representative of site conditions, we concur with your recommendation that the site has met the closure requirements. This letter documents that no further corrective action is necessary.

For any subsequent release from an underground or aboveground storage tank at this site, the deductible will be increased in accordance with Section 26.3512 of the Texas Water Code. Please note that financial assurance must be maintained for all operational storage tanks at this site.

If any monitor well plugging or other necessary site restoration activities will be performed to complete site closure, please prepare a *Final Site Closure Report* to document the conclusion of actual site closure. For sites which are eligible for reimbursement through the Petroleum Storage Tank Remediation Fund, written preapproval should be obtained prior to initiation of any remaining site closure activities. Reimbursement claims for activities that were not preapproved will not be paid until all claims for preapproved work are processed and paid.

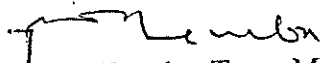
Please note that the *Final Site Closure Report*, if necessary, will be the last submittal associated with this case. This final concurrence letter signifies the completion of corrective action associated with the release. No subsequent TNRCC correspondence will be issued in response to the *Final Site Closure Report*.

Please note that all correspondence must include the LPST ID Number and must be submitted to both the local TNRCC Regional Field Office and to the Central Office in Austin.

Mr. Walt Conner
Page 2

Should you have any questions, please contact Mr. Howard Nichols of my staff at 512/239-2200. **Please reference the LPST ID Number when making inquiries.** Your cooperation in this matter has been appreciated.

Sincerely,


Uche Ike Ikemba, Team Manager, RPR Team I
Responsible Party Remediation Section
Petroleum Storage Tank Division

UII/HLN/hln
91403.fni

cc: Henry Karnei, TNRCC Region 13 Field Office, 210/490-3096
140 Heimer Rd., San Antonio, Texas 78232-5042

Barry R. McBee, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Dan Pearson, *Executive Director*



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

June 24, 1996

CERTIFIED MAIL

**W CONNER
V A MEDICAL CENTER
3600 MEMORIAL BLVD
KERRVILLE, TX 78028**

Re: Subsurface release of hydrocarbons at the Va Medical Center facility located at
3600 Memorial Blvd, Kerrville, Tx 78028
LPST-ID: 091403

Dear Conner:

Our records indicate that, as of June 5, 1996 we had not yet received a new corrective action report as requested in our September 1995 letter regarding this site. If you have responded to our letter, please contact us to verify receipt of your report as we may have received your response after June 5. This report is **not** the *Site Activation Reply* which we have received from you. If you think your site has been closed, please send a copy of the closure letter issued to you on this site. If you have not responded, please review the information contained in the September 1995 package and contact a registered Corrective Action Specialist to initiate the necessary activities. Please note that the due date for the **report** of activities, not just the proposal was 01/02/1996. Also, please realize that if you do not schedule work with a Corrective Action Specialist very soon, you may not be able to meet the deductible deadlines set forth in House Bill 2587.

If no written response is received within 30 days from the date of this letter, you will be considered "unwilling" to perform corrective action pursuant to the Texas Water Code Section 26.351(c) and we will refer this case for formal enforcement and to our State-Lead Remediation Section for necessary corrective action. As an unwilling party, State-Lead corrective action costs for your site are subject to cost recovery. Except for corrective action to address high risk sites, other corrective action may be delayed. Please be aware that entering the State Lead program does not relieve the owner or operator of third-party liability nor does it allow the owner or operator to schedule or administer the corrective action activities at the site.

This will be your only notice, so please contact us so that we can work with you to resolve this matter. We appreciate your cooperation. Should you have any questions, please contact the Responsible Party Remediation Section at 512/239-2200.

Sincerely,

A handwritten signature in cursive script that reads "Chet Clarke".

Chet Clarke
Manager, Responsible Party Remediation Section
Petroleum Storage Tank Division

cc: Henry Karnei, TNRCC Region 13 Field Office
Danny Lien, PST State Lead Remediation Section
David Bower, Enforcement Division
Ray Winter, Attorney, Litigation Support Division

6A

91403

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
W CONNER
V A MEDICAL CENTER
3600 MEMORIAL BLVD
KERRVILLE, TX 78028
LPST: 091403

4a. Article Number
P 121358684

4b. Service Type

<input type="checkbox"/> Registered	<input checked="" type="checkbox"/> Certified
<input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured
<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> COD

7. Date of Delivery
6-24-96

5. Received By: (Print Name)
Thomas J. Warden

6. Signature: (Addressee or Agent)
X J. Warden

8. Addressee's Address (Only if requested and fee is paid)

Is your RETURN ADDRESS completed on the reverse side?

RECEIVED JUN 26 1996

Thank you for using Return Receipt Service.

PS Form 3811, December 1994

Domestic Return Receipt

P 121 358 584

US Postal Service
Receipt for Certified Mail

No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to	#91403
Street & Number	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

LPST SITE ACTIVATION REPLY

Use this form to indicate your choice of options for continuation of corrective action. Please submit the completed form and all attachments to the TNRCC PST Division in Austin and to the appropriate TNRCC Region Office (exclude financial information). FAILURE TO COMPLETE AND RETURN THIS FORM WILL BE VIEWED AS NON-COMPLIANCE. (PLEASE RETURN COMPLETED FORM BY NOVEMBER 1, 1995)

LPST-ID # : 091403 CASE PRIORITY: 2A GROUNDWATER OTHER THAN 1B, SITE CHARACTERIZATION INCOMP.

RP NAME: V A Medical Center
 ADDRESS: 3600 Memorial Blvd , Kerrville, TX 78028-
 CONTACT: W Conner
 PHONE (512)896-2020 FAX () -

FAC NAME: Va Medical Center
 ADDRESS: 3600 Memorial Blvd, Kerrville, TX 78028-
 CONTACT:
 PHONE () - FAX () -

OPTION 1 CORRECTIVE ACTION REPORTS MUST BE SUBMITTED TO THE TNRCC BY: February 1, 1996

- a) I am proceeding with corrective action and understand that my case is eligible for reimbursement and will submit the appropriate report(s) by the deadline listed above.
- b) I am proceeding with corrective action, and understand that my case is not eligible for reimbursement. The appropriate reports will be submitted by the deadline listed above.

OPTION 2

I believe that I am financially unable to perform the necessary corrective action at this site. Enclosed is the documentation required to review my financial qualification for the State Lead Remediation program. (Please check all items which are included with this form.)

Individual/sole proprietor	Corporate/partnership
<input type="checkbox"/> Affidavit of Financial Inability	<input type="checkbox"/> Affidavit of Financial Inability
<input type="checkbox"/> Tax returns - most recent filing year	<input type="checkbox"/> Tax returns - most recent filing year
<input type="checkbox"/> TNRCC personal financial statement	<input type="checkbox"/> Signed Access Agreement and Release
<input type="checkbox"/> Signed Access Agreement and Release	

Please explain why any of the listed documentation was not included in this packet:

 Please list the LPST ID#s of any other active (not closed) LPST sites which you are responsible for addressing:

OPTION 3

This individual/company is not the primary point of contact for corrective action at this site. The following individual/company is the primary point of contact for corrective action at this site:

RP NAME: _____
 ADDRESS: _____
 CITY: _____ STATE: _____ ZIP: _____
 CONTACT: _____
 PHONE: (____) _____ - _____ FAX: (____) _____
 COMMENTS: _____

This form was completed by:

Print Name	Title
Signature	Date

Texas Natural Resource Conservation Commission

INTEROFFICE MEMORANDUM

TO : FILE **DATE:** February 7, 1997

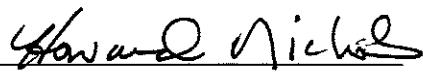
THRU : Uche Ike Ikemba, Team Manager, RPR Team I
Responsible Party Remediation Section

FROM : Howard Nichols, Coordinator
Responsible Party Remediation Section

SUBJECT : File Review For Closure of Subsurface Release of Hydrocarbons at the
Veterans Administration Medical Center, 3600 Memorial Boulevard,
Kerrville (Kerr County), Texas
(LPST ID No. 91403 - Priority 4.1 - Facility ID No. 0040465)

In July 1987, a release of hydrocarbons from the above-referenced facility was reported to the TNRCC Region 13 Field Office.

In review of all submitted information for this LPST case, I conclude that contaminant levels remaining at this site pose no risk to human health and the environment and a letter of final concurrence should be issued for this site.


Howard Nichols
Closure Coordinator

cc: Henry Karnei, TNRCC Region 13 Field Office, 210/490-3096
140 Heimer Rd., San Antonio, Texas 78232-5042

LPST CASE CLOSURE
CHECKLISTS

LPST ID NO. 91403 PRIORITY 4.1 FACILITY ID NO. 0040465

Date of release 9/87 County KERN Region Office 13

How release discovered Assessment - SPILL 9/87
2-23000 Diesel (Removed in 10/92)

Type of release: Line: Tank Hydr Lift Other

Substance released: Gas Diesel W/ Oil Hydr Fluid Other

FINAL SOIL LEVELS: Tankpit Line Other After OVER-EXCAV.

Maximum benzene NDL Depth Date 11/92

Maximum Total BTEX NDL Depth Date

Maximum TPH 80 Depth Date

PAH Yes No All Constituents Below Plan A Yes No

BORINGS: Yes No How Many 5 Date 10/87 (1 - mwell/BW-4)

Maximum benzene Depth Date 9/87

Maximum Total BTEX Depth Date

Maximum TPH < 10 Depth Date

PAH Yes No All Constituents Below Plan A Yes No

Final disposition of excavated soils:

Landfilled: Returned to Excavation:

Benzene Benzene

Total BTEX Total BTEX

TPH TPH

Excavation Covered with impervious cover: Yes No

Groundwater impacted: Yes No

Water wells within half mile of site: Yes No

Number of water wells:

Shallowest Screened interval:

Environmentally Sensitive Area: Yes No

GW Sampling: (9/87 through 7/92) Monitor well removed in 10/92 during removal of UST'S

(see Attached)

LAST sampling was 7/92: 80L benz
0.017 BTEX
80L TPH

Borings

Summary table soil analytical results, Espey, Huston & Associates
Environmental Assessment of Fuel Leaks Liquid Underground Storage Tank, Report date October
1987

Date	Sample location	Depth	Hydrocarbons as diesel (Modified EPA 8020) ppm	Oil & Grease EPA Method 413.1 ppm
9-29-87	B-1	0 - 11.5 ft	< 20	< 10
	B-1	20 - 31.5 ft	< 20	< 10
	B-1	40 - 46.5 ft	< 20	< 10
	B-2	0 - 11.5 ft	< 20	< 10
	B-2	15 - 21.5 ft	< 20	< 10
	B-3	0 - 11.5 ft	< 20	< 10
	B-3	15 - 21.5 ft	< 20	< 10
	BW-4	0 - 16.5 ft	< 20	< 10
	BW-4	20 - 36.5 ft	< 20	< 10
	B-5	0 - 21.5 ft	< 20	< 10

GROUND WATER

Monitor Well BW-4

10. Groundwater results are presented on the following table for sampling events conducted between 9/30/87 and 7/17/92.

**Summary table groundwater analytical results Monitor well BW-4
Veterans Administration Medical Center, 3600 Memorial Blvd, Kerrville, TX
LPST # 91403**

Date	Hydrocarbon as diesel	Hydrocarbon as fuel oil (EPA 8000)	TPH (EPA 418.1)	Benzene (EPA 8020)	Toluene	Ethyl Benz.	Xylene
9/30/87	<10						
5/3/88		13 ?					
9/14/88			<1.0				
10/6/88				<0.001	<0.001	<0.001	<0.001
6/21/89			<10				
11/21/90			<0.2	0.002	0.005	0.006	0.016
2/27/91			<0.2	<0.001	<0.001	<0.001	<0.001
9/11/91			<0.2	0.036	0.08	0.018	0.025
7/17/92			<0.2	<0.02	0.017	<0.02	<0.02

Note: all units in mg/l

11. On October 15, 21 and 30, 1992 and November 6, 1992, Kleck Environmental Contractors, Inc removed all the UST systems on the subject site, including the two 23,000 gallon diesel tanks and the concrete vault. Soil analytical results collected from the walls of the concrete vault confirmed the earlier release. A second LPST number, # 105075 was issued for the site.

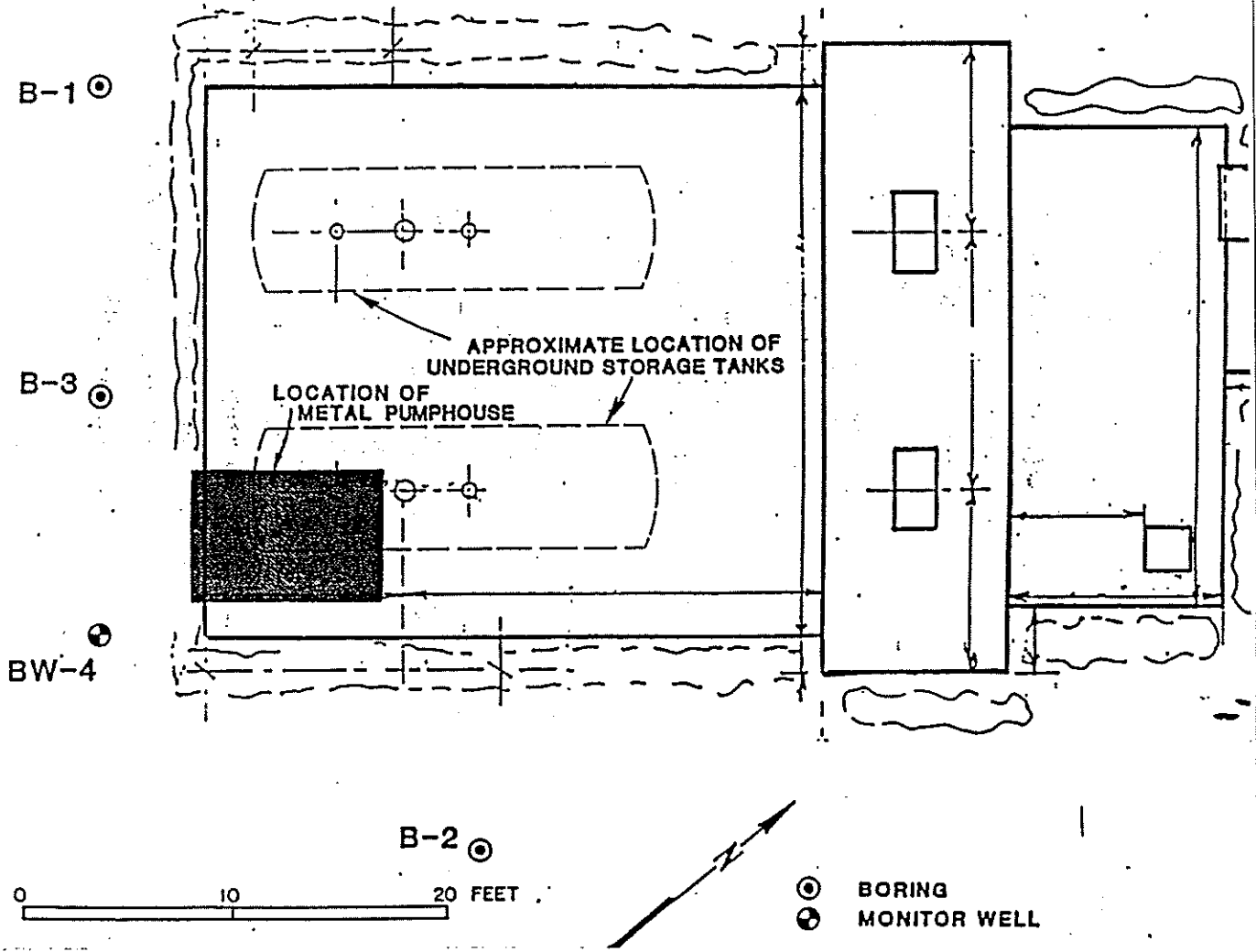
12. Soil analytical results showed that a release had not occurred on UST location sites 2, 3 & 4. Contaminated soils in the area of UST site 1 (2 x 23,000 gallon diesel tanks) were overexcavated and resampled. Final results collected on December 8, 1992 indicated that all contaminated soils had been overexcavated to below TNRCC action levels of 500 ppm, based on the middle distillate values. Copies of the soil analytical results and site plans are enclosed.

13. Upon completion of the project, Kleck Environmental arranged for proper disposal of all contaminated soils, including the stockpiled soil from the trenches dug in 1987 and sampled in November 1992. Approximately 275 cubic yards of Class I soil was disposed of by thermal remediation at Petreo International, Inc and 740 cubic yards of Class II soil was landfilled at BFI in San Antonio. In addition, approximately 34, 120 gallons of fluids, including recovered product, rinsate and contaminated water (rainwater accumulated in the open tankholds), was properly disposed of by Alamo Petroleum Exchange in San Antonio.

location of Borings/ ^{mon} well

Source: V.A. MEDICAL CENTER ENGINEERING SERVICES

B-5



September 25, 96

Geo Strata
Environmental

Site plan to show location of well & soil borings

VA Medical Center, 3600 Memorial Blvd, Kerrville, Texas

LPST # 91403

After: Espey,
Hutton & Assoc

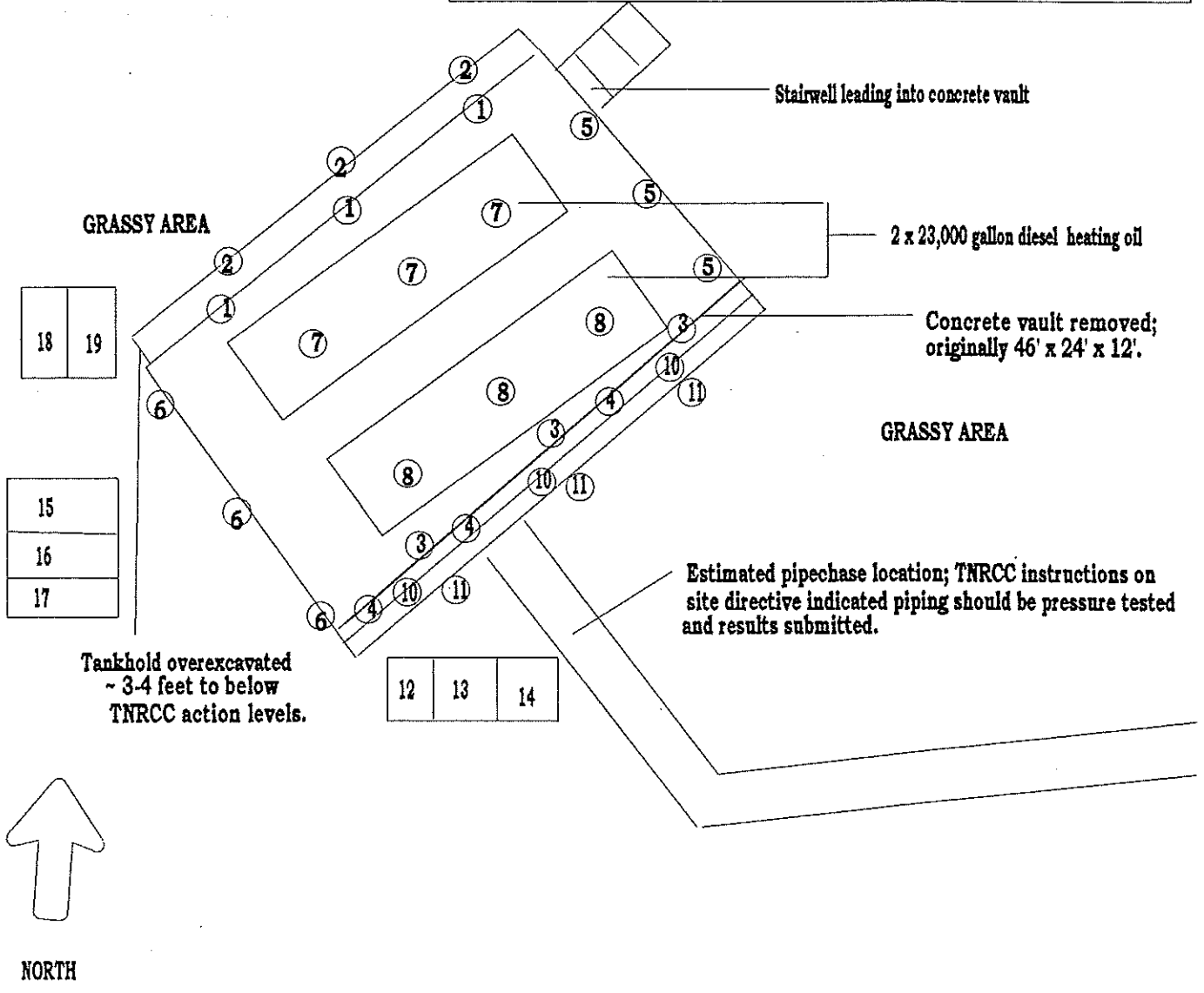
Tank Removal

**SITE 1 : 2 X 23,000 GALLON DIESEL TANKS
REMOVED OCTOBER 15, 1992**

LEGEND

- | | |
|-------------------------------------|----------------------------------|
| 1 - N. Wall 12 ft COC 234 10/21 | 9 - N. Floor 12 ft COC 246 11/2 |
| 2 - N. Wall 12 ft COC 271 12/8 | 10 - S. Wall 11 ft COC 256 11/25 |
| 3 - S. Wall 12 ft COC 234 10/21 | 11 - S. Wall 11 ft COC 271 12/8 |
| 4 - S. Floor 12 ft COC 246 11/2 | 12-14 Stockpile A1-A3 |
| 5 - E. Wall 11 ft COC 271 12/8 | 15 - 17 Stockpile C1-C3 |
| 6 - W. Wall 11 ft COC 271 12/8 | 18-19 Stockpile B1-B2 |
| 7 - Composite tank #1 COC 256 11/25 | |
| 8 - Composite tank #2 COC 256 11/25 | |

MAP NOT TO SCALE



July 30, 96	Site plan to show sample locations and overexcavation, Site #1, 1 x 23,000 gallon UST	91403 LPST # 105075
Geo Strata Environmental	VA Medical Center, 3600 Memorial Drive, Kerrville, Texas	

Summary table of soil analytical results, VA Medical Center, Kerrville

<u>COC #</u>	<u>Sample date</u>	<u>Location</u>	<u>TPH</u> <u>(ppm)</u>	<u>Benzene</u> <u>(ppm)</u>	<u>Toluene</u> <u>(ppm)</u>	<u>Ethyl Benzene</u> <u>(ppm)</u>	<u>Xylene</u> <u>(ppm)</u>
Site 1 : 2 x 23,000 gallon diesel tanks, removed on October 15, 1992							
230	10/15/92	Stockpile A1	785	<0.4	<0.4	<0.4	<0.4
		Stockpile A-2	581	<0.4	<0.4	<0.4	<0.4
		Stockpile A-3	1082	<0.4	<0.4	<0.4	<0.4
		Stockpile B-1	4600	<0.4	<0.4	<0.4	<0.4
		Stockpile B-2	4680	<0.4	<0.4	<0.4	<0.4
233	10/20/92	Stockpile C-1	1690				
		Stockpile C-2	1195				
		Stockpile C-3	4488				
234	10/21/92	South Wall	21,846				
		North Wall	114				
246	11/2/92	South floor	7	<0.4	<0.4	<0.4	<0.4
		North floor	3	<0.4	<0.4	<0.4	<0.4
Kleck Environmental removed the concrete vault and overexcavated 3-4 feet on each wall and re-sampled							
256	11/25/92	Composite below tank #1	25				
		Composite below tank #2	80				
		South wall	881	<0.4	<0.4	<0.4	<0.4
271	12/8/92	North wall	6	<0.4	<0.4	<0.4	<0.4
		East wall	11	<0.4	<0.4	<0.4	<0.4
		South wall	5	<0.4	<0.4	<0.4	<0.4
		West wall	18	<0.4	<0.4	<0.4	<0.4
Following overexcavation of the tank hold, analytical results from samples collected beneath the tanks and pit walls showed TPH and BTEX concentrations below TNRCC action levels of 500 ppm.							

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
 PETROLEUM STORAGE TANK
 PRIORITY 4 LPST CASE CLOSURE REQUEST FORM

91403
 CRJ

Submittal Date: 9-25-96

This form is to be used to request closure for Priority 4 LPST sites. The soil and groundwater cleanup goals should be met prior to submitting this form. These cleanup goals should be derived from the TWC Guidance Manual for LPST Cleanups in Texas, January 1990 or the TNRCC Risk-Based Corrective Action for Leaking Storage Tank Sites, January 1994. Do not use this form for tank removal-from-service activities or if appropriate LPST cleanup goals have not been met.

Complete all blanks and check yes or no for all inquiries. If the question is not applicable to this site, indicate with N/A. If supplemental information is needed, insert numbered footnote and provide brief supporting discussion in Section VI Justification for Closure.

I. GENERAL INFORMATION

LPST ID No.: 91403 Facility ID No.: 40465
 Responsible Party: VA Medical Center, Department of Veteran Affairs
 Facility Name: As above
 Facility Address: 3600 Memorial Blvd,
 Facility City: Kerrville County: Kerr
 What is the current use of site? (Type of business, etc.): Hospital/Medical Ctr TNRCC/PST
 RPR

RECEIVED

OCT 15 1996

II. CLOSURE SCREENING INFORMATION

Based on the TNRCC Limited Site Assessment (LSA) or existing case questionnaire, the site is a Priority 4 site.

Yes No Have phase-separated hydrocarbons (PSH) ever been present at this site? If yes, is PSH present now? Yes No Thickness _____ feet.

Yes No Has the source of the release been abated? If yes, specify date: 9-15-92

Yes No Have vapor impacts ever been associated with this release?

Yes No Have subsurface utilities ever been affected by this release?

III. RELEASE ABATEMENT/REMEDIATION

Date Release Discovered: Confirmed July 23, 1987
 Substance(s) Released: Heating oil/diesel
 Source of Release (specify portion of PST system, if known): overfill/overspill

LPST ID NO. 91403 Date: 9-25-96

III. RELEASE ABATEMENT/REMEDIATION (Continued)

Yes No Has the PST system from which the release originated, been permanently removed from service at the site? If yes, specify date of removal: 9-15-92 Type of removal from service: Permanently removed

Yes No Were soil samples collected from beneath the UST and the piping?

Yes No Were soil samples collected from beneath the dispensers? (Inside building)

Yes No Was a new UST system installed?

Type of Soil Remediation: Overexcavation/thermal

Type of Groundwater Remediation: NA

Measured volume of PSH recovered Unknown gallons. Total 200 gallons including rainwater

Estimated total volume of soil treated/removed: 275 cubic yards. Class I

Estimated total volume of groundwater treated/removed: 27 gallons. (9 monitoring events)

IV. SOIL DATA VALIDATION

Number of soil borings: 5

Yes No Was the extent of soil impacts defined by the borings?

Yes No Are shallow (0-15 feet) soils affected on adjacent properties (including right-of-way).

Yes No Were all soil sample collection, handling, transport and analytical procedures conducted in accordance with TNRCC requirements?

Yes No Were all regulated soil wastes properly disposed of, treated, or reused in accordance with TNRCC requirements?
 Unknown: May have been added to PSH contaminated soils stockpiled

Soil	Sample Date	Sample Name	Depth	Laboratory Method	Maximum Concentration* (ppm)	LPST Cleanup Goals
Benzene						
Toluene						
Ethylbenzene						
Total Xylenes						
Total BTEX						
TPH						
Other <u>Hydrocarbons</u> as diesel		All	0 - 46.5 ft	Modified 8020	less than 20 ppm	
Other <u>Oil & Grease</u>		All	0 - 46.5 ft	413.1	less than 10 ppm	

* Enter maximum soil analytical results for soils remaining beneath the site.

V. GROUNDWATER DATA VALIDATION

- Yes No Does the assessment data indicate that groundwater at the site is impacted? If no, go to Section VI.
- Number of monitoring wells: 1
- Measured groundwater total dissolved solids (TDS) concentration Unknown mg/l. Estimated 560-840 mg
Espey & Hutton 1987
- Measured groundwater yield at the site NA gallons/day.
- Measured groundwater depth at the site ranges between 39.5 and _____ feet below the top of casing.
- Time period of groundwater monitoring at the site (date) 9-30-87 to 7-17-92.
- Total number of groundwater monitoring events during this period 9
- Yes No Is the extent of groundwater contamination defined? NA - only 1 well installed
- Yes No Based on available site assessment data, have any water wells or surface water bodies been impacted by this release?
- Yes No Have groundwater impacts from this release been detected on adjacent properties?
- Yes No Was the static groundwater level above the top of the well screen in any wells during the previous 12 months of monitoring?
- Yes No Were groundwater sample collection, handling, transport, and analytical procedures conducted and documented in accordance with TNRCC requirements?
- Yes No Was all recovered contaminated groundwater properly disposed of, treated or recycled in accordance with TNRCC requirements? According to VA personnel, fluids removed by Espey in tank on trailer.
- Yes No Do contaminant concentrations show a consistent decreasing or low static trend? If no, is contaminant plume increasing in size? Yes No
- Yes No Are the monitoring wells going to be used after LPST site closure? Well already destroyed

Groundwater	Sample Date	Sample Name	Laboratory Method	Maximum Concentration* (ppm)	LPST Cleanup Goals
Benzene	7-17-92	BW-4	8020	less than 0.02	0.005
Toluene	"	"	"	0.017	1.0
Ethylbenzene	"	"	"	less than 0.02	0.7
Total Xylenes	"	"	"	less than 0.02	10
Total BTEX					
TPH	"	"	418.1	less than 0.2	0.5
Other _____					
Other _____					

* Enter maximum groundwater analytical results from the most recent 12 months of monitoring.

Note: Assumed PBU category I site since TDS not measured

VI. JUSTIFICATION FOR CLOSURE

Please provide a brief summary supporting this request for site closure including footnoted discussions for the above entries, as necessary. Include discussions justifying any site conditions which may deviate from the specific qualifications of this form.

Reference attached pages.

**LPST # 91403, Department of Veteran Affairs, Kerrville
Section VI. JUSTIFICATION FOR CLOSURE**

A release was reported at the above-named site in 1987 as a result of a spill incident, in which the fill hose was left unattended and an estimated quantity of 300 gallons of free product was spilled into the floor of the concrete vault. Austin consultants, Espey, Huston and Associates were contracted to clean-up the spill and perform a site assessment. All free product was vacuumed from the vault and several areas of native soils around the outside walls of the vault where product had seeped through were overexcavated. In addition, five soil borings were advanced around the UST system, and one boring was converted to a permanent monitoring well. Groundwater was encountered at 39.5 feet below approximately 38 feet of relatively impermeable clay.

Although it was thought unlikely that the upper groundwater zone would be affected by the release, the single permanent well was installed to sample groundwater over the long term, since it was feared that free product may also have been trapped below the floor of the vault and would eventually percolate downwards to groundwater.

The full extent of soil contamination was assessed and cleaned-up in 1992, when Kleck Environmental Contractors removed the 2 x 23,000 gallon tanks and the surrounding vault.

Groundwater analytical results obtained between September 1987 and July 1992 showed that BTEX and TPH concentrations were below instrument detection levels in seven of the nine sampling events. However, in November 1990, a benzene concentration of 0.002 ppm was observed and in September 1991, a benzene concentration of 0.036 ppm was observed. The single monitoring event performed after September 1991 indicated a decreasing trend in benzene concentrations.

Recent discussions (Sept. 1996) with the TNRCC in Austin recommended one final sampling event for the upper groundwater zone to confirm the decreasing trend in TPH and BTEX concentrations, particularly since the well has not been sampled since 1992. However, according to the VA Construction Manager, Walt Conner, the well was destroyed by Kleck personnel during the tank removal in 1992 and therefore cannot be sampled.

Based on the soil and groundwater analytical results, Geo Strata recommends final closure for the site located at the VA Kerrville, Site 1, LPST # 91403.

LPST ID NO. 91403 Date: 9-25-96

The undersigned state that we have knowledge of the facts herein set forth and that the same are true and correct to the best of our knowledge and belief. We further state that to the best of our knowledge and belief, the project for which this application is made will not in any way violate any of the rules and regulations of the Texas Natural Resource Conservation Commission or any applicable federal, state, or local governmental laws, rules, ordinances, or resolutions, and based upon this, site closure is appropriate.

Corrective Action Specialist: Geo Strata Environmental 0093
(Company Name) (CAS No.)

Suzanne Green 00653
(Project Manager) (PM No.)

16607 Blanco Road, San Antonio, TX 78232
(Street Address) (City) (State) (Zip)

210-492-7282 210-492-8935
(Telephone No.) (Fax No.)

Suzanne Green 9-25-96
(Signature) (Date)

Responsible Party Rep. Department of Veteran Affairs
(Company)

Walt Conner Construction Mgr
(Contact Person) (Title)

3600 Memorial Blvd, Kerrville, TX
(Street Address) (City) (State) (Zip)

210-792-2558 210-792-2496
(Telephone No.) (Fax No.)

Walt Conner 10-1-96
(Signature) (Date)

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH THIS FORM:

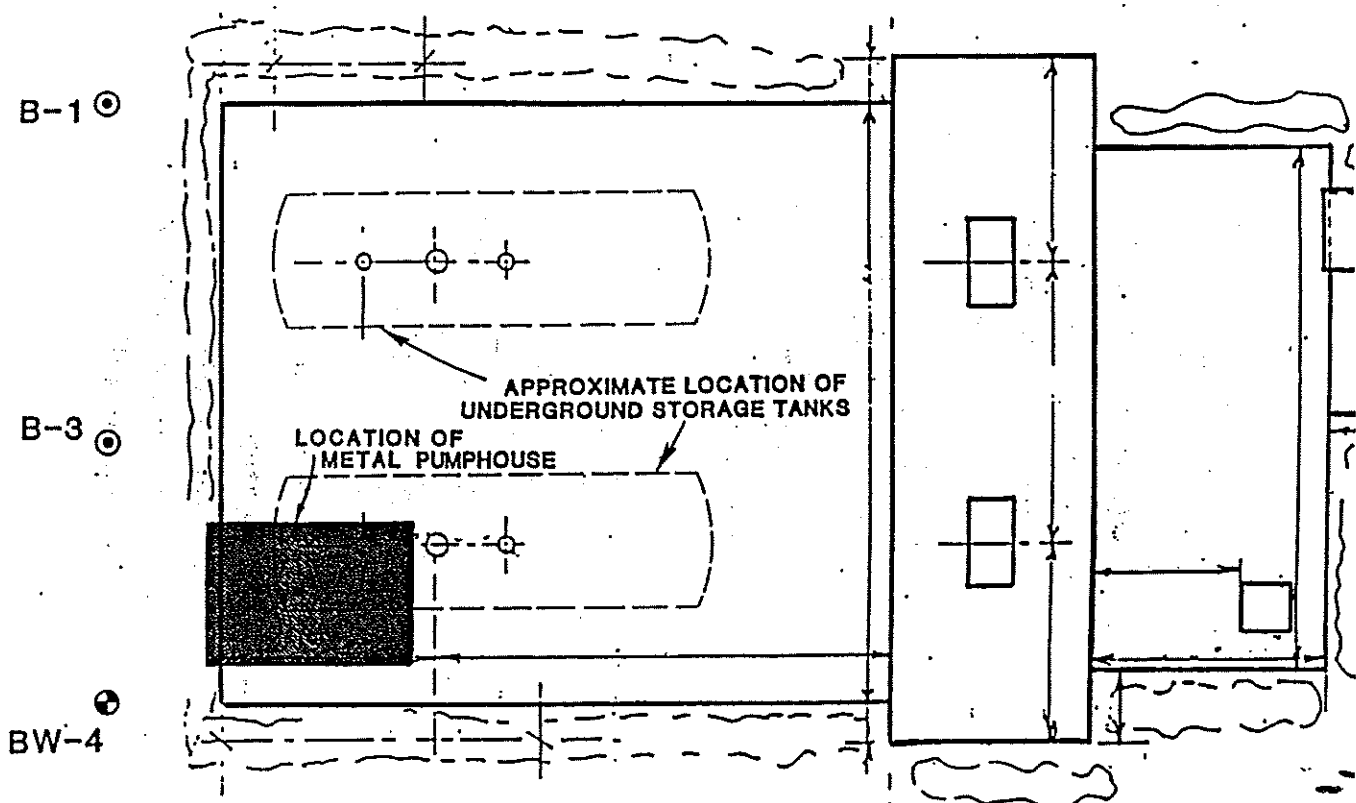
- A site map illustrating the locations of the entire UST or AST system, all soil borings and monitoring wells, subsurface utilities, surface water within 500 feet, and groundwater flow direction must be attached to this completed form.
- Summary tables of all soil and groundwater analytical results.
- Copy of LPST Action Request Form.
- Copy of Existing LPST Case Questionnaire or LSA Report Form.

Summary table soil analytical results, Espey, Huston & Associates
Environmental Assessment of Fuel Leaks Liquid Underground Storage Tank, Report date October
1987

Date	Sample location	Depth	Hydrocarbons as diesel (Modified EPA 8020) ppm	Oil & Grease EPA Method 413.1 ppm
9-29-87	B-1	0 - 11.5 ft	< 20	< 10
	B-1	20 - 31.5 ft	< 20	< 10
	B-1	40 - 46.5 ft	< 20	< 10
	B-2	0 - 11.5 ft	< 20	< 10
	B-2	15 - 21.5 ft	< 20	< 10
	B-3	0 - 11.5 ft	< 20	< 10
	B-3	15 - 21.5 ft	< 20	< 10
	BW-4	0 - 16.5 ft	< 20	< 10
	BW-4	20 - 36.5 ft	< 20	< 10
	B-5	0 - 21.5 ft	< 20	< 10

Source: V.A. MEDICAL CENTER ENGINEERING SERVICES

B-5



B-1

B-3

BW-4

B-2

0 10 20 FEET

○ BORING
⊕ MONITOR WELL

September 25, 96
Geo Strata
Environmental

Site plan to show location of well & soil borings
VA Medical Center, 3600 Memorial Blvd, Kerrville, Texas

LPST # 91403
After: Espey,
Hutton & Assoc

SUMMARY LPST INCIDENT # 91403 & # 105075

Location: Veterans Administration Medical Center, 3600 Memorial Blvd, Kerrville, TX

1. Source of release: UST concrete vault containing 2 x 23,000 gallon diesel tanks.
2. Cause of release - overflow/overspill. Product seeped out through concrete into native soils & investigated by shallow digging trenches to observed visual extent of contamination. Excavated soil was stockpiled.
3. Maximum vertical thickness of contamination observed in the trenches was 2.1 feet. Maximum lateral extent of contamination in an individual area: 2 feet wide. Overall cross-sectional area affected was observed to be very small; concentrated on the south, east and west outside walls of the vault in area less than 10 feet long and 2 feet wide.
4. Date release confirmed by TNRCC: **July 23, 1987. LPST # 91403 was issued for the site.**
5. September 29, 1987; Espey, Hutton & Associated advanced five borings in the area of the contaminated soil trenches and in the downgradient direction; one boring was converted to a 2", 50 ft monitor well BW-4. Soil analytical results showed hydrocarbon concentrations below detection levels of 20 ppm in all samples, and non-detectable hydrocarbon concentrations below 10 mg/l in the groundwater sample collected from BW-4. According to the Espey, Hutton report dated October 87, a total volume of 200 gallons of product and fluids was removed from a single trench located west of the UST vault. The total volume of the release was estimated as 300 gallons; the majority of the product released was pumped-out directly from the inside floor of the vault when the release occurred.
6. Native soils: thick upper clay units, overlying a thin water-bearing gravel below a minimum of 38 feet BSG. Bedrock: impenetrable limestone unit - Glen Rose Formation below approx. 44 feet. Depth to the upper groundwater unit was approximately 39.5 feet.
7. Since native soils are clay, depth to groundwater is approximately 40 feet, and the vertical and lateral extent of contamination was defined by Espey & Hutton in 1987, it appears unlikely that the upper groundwater unit would be affected by the release. Espey & Hutton proposed a continued groundwater monitoring program for BW-4 in 6 months and 3 yrs to check that no product had accumulated under the floor of the concrete vault, potentially affecting the groundwater at a later date.
8. TNRCC reviewed report and recommended groundwater monitoring over a 6 month and one year period using the 'total hydrocarbons as diesel' analysis.
9. Stockpiled soil A2, B2, C2 and B3 1,2,3 & 4 were sampled for waste characterization purposes on November 30, 1992 and January 18, 1993. Results were as follows:

Date	Location	TPH	TCLP Pb
11/30/92	A2 # 1 & 2	240	<0.5
	A2 # 3 & 4	530	<0.5
	A2 # 5 & 6	430	<0.5
	B2 # 7 & 8	270	<0.5
	B2 # 9 & 10	170	<0.5
	C2 # 11 & 12	4000	<0.5
	C2 # 13 & 14	5600	<0.5
	C2 # 15 & 16	6300	<0.5
	B3 # 1 & 2	230	
	B3 # 3 & 4	1200	

10. Groundwater results are presented on the following table for sampling events conducted between 9/30/87 and 7/17/92.

**Summary table groundwater analytical results Monitor well BW-4
Veterans Administration Medical Center, 3600 Memorial Blvd, Kerrville, TX
LPST # 91403**

Date	Hydrocarbon as diesel	Hydrocarbon as fuel oil (EPA 8000)	TPH (EPA 418.1)	Benzene (EPA 8020)	Toluene	Ethyl Benz.	Xylene
9/30/87	<10						
5/3/88		13 ?					
9/14/88			<1.0				
10/6/88				<0.001	<0.001	<0.001	<0.001
6/21/89			<10				
11/21/90			<0.2	0.002	0.005	0.006	0.016
2/27/91			<0.2	<0.001	<0.001	<0.001	<0.001
9/11/91			<0.2	0.036	0.08	0.018	0.025
7/17/92			<0.2	<0.02	0.017	<0.02	<0.02

Note: all units in mg/l

11. On October 15, 21 and 30, 1992 and November 6, 1992, Kleck Environmental Contractors, Inc removed all the UST systems on the subject site, including the two 23,000 gallon diesel tanks and the concrete vault. Soil analytical results collected from the walls of the concrete vault confirmed the earlier release. A second LPST number, # 105075 was issued for the site.

12. Soil analytical results showed that a release had not occurred on UST location sites 2, 3 & 4. Contaminated soils in the area of UST site 1 (2 x 23,000 gallon diesel tanks) were overexcavated and resampled. Final results collected on December 8, 1992 indicated that all contaminated soils had been overexcavated to below TNRCC action levels of 500 ppm, based on the middle distillate values. Copies of the soil analytical results and site plans are enclosed.

13. Upon completion of the project, Kleck Environmental arranged for proper disposal of all contaminated soils, including the stockpiled soil from the trenches dug in 1987 and sampled in November 1992. Approximately 275 cubic yards of Class I soil was disposed of by thermal remediation at Petreo International, Inc and 740 cubic yards of Class II soil was landfilled at BFI in San Antonio. In addition, approximately 34, 120 gallons of fluids, including recovered product, rinsate and contaminated water (rainwater accumulated in the open tankholds), was properly disposed of by Alamo Petroleum Exchange in San Antonio.

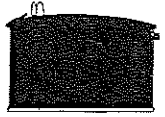


Commercial

Corrosion Eliminator, Inc.

A W W A SPECIALISTS
P.O. Box 1546
MINERAL WELLS, TEXAS 76068
(817) 325-8450

9/14/03
[Handwritten signature]



Industrial

2

January 20, 1997

Texas Natural Resource Conservation Commission
PO Box 13087
Austin, TX 78711-3087

RECEIVED

JAN 30 1997

TNHCC / PST
RPR

Certified Mail No. P619 233 259
Return Receipt Requested

Notification for 200,000 Gallon Water Storage tank Painting with Lead Concentration of 1%.

- | | | |
|----|--------------------------------------|--|
| 1. | Location of tank: | VA Medical Center
Kerville, Texas |
| 2. | Name of Abrasive Blasting Company: | Corrosion Eliminators, Inc.
1002 Hwy 337 ** PO Box 1546
Mineral Wells, TX 76068-1546 |
| 3. | Weight & Percent of Lead in coating: | |
| | Interior: | 0.025% |
| | Exterior: | 15.5% |
| 4. | Control Method to be used: | Containment Shrouding Wet Abrasive
Sandblasting |
| 5. | Expected hours of operations: | 8:00 am thru 4:00 pm |
| 6. | Start and Finish date: | Approximately 02/15/97 thru 03/22/97 |

CORROSION ELIMINATORS, INC.
OCEY G. DOW, PRESIDENT

Ocey G. Dow



DEPARTMENT OF VETERANS AFFAIRS
Medical Center
Kerrville TX 78028

91403

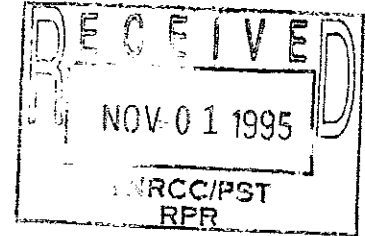


October 30, 1995

In Reply Refer To: 591/K138

TNRCC PST Division
P.O. Box 13087
Austin, TX 78711-3087

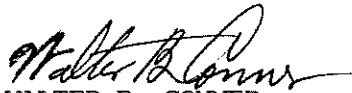
ATTN: Chet Clarke, Manager
Responsible Party Remediation Section
Petroleum Storage Tank Division



Dear Sir:

It is requested that a case coordinator be assigned to our site. Also, please review our Tank Closure Assessment Report for final closure of our LPST site.

Sincerely,


WALTER B. CONNER

Enclosure

LPST SITE ACTIVATION REPLY

Use this form to indicate your choice of options for continuation of corrective action. Please submit the completed form and all attachments to the TNRCC PST Division in Austin and to the appropriate TNRCC Region Office (exclude financial information). FAILURE TO COMPLETE AND RETURN THIS FORM WILL BE VIEWED AS NON-COMPLIANCE. (PLEASE RETURN COMPLETED FORM BY NOVEMBER 1, 1995.)

LPST-ID # : 091403 CASE PRIORITY: 2A GROUNDWATER OTHER THAN 1B, SITE CHARACTERIZATION INCOMPLETE
 RP NAME: V A Medical Center
 ADDRESS: 3600 Memorial Blvd , Kerrville, TX 78028-
 CONTACT: W Conner PHONE (512)896-2020 FAX () -
 FAC NAME: Va Medical Center
 ADDRESS: 3600 Memorial Blvd, Kerrville, TX 78028-
 CONTACT: PHONE () - FAX () -

OPTION 1 CORRECTIVE ACTION REPORTS MUST BE SUBMITTED TO THE TNRCC BY: January 2, 1996

a) I am proceeding with corrective action and understand that my case is eligible for reimbursement and will submit the appropriate report(s) by the deadline listed above.

b) I am proceeding with corrective action, and understand that my case is not eligible for reimbursement. The appropriate reports will be submitted by the deadline listed above.

OPTION 2

I believe that I am financially unable to perform the necessary corrective action at this site. Enclosed is the documentation required to review my financial qualification for the State Lead Remediation program. (Please check all items which are included with this form.)

Individual/sole proprietor	Corporate/partnership
<input type="checkbox"/> Affidavit of Financial Inability	<input type="checkbox"/> Affidavit of Financial Inability
<input type="checkbox"/> Tax returns - most recent filing year	<input type="checkbox"/> Tax returns - most recent filing year
<input type="checkbox"/> TNRCC personal financial statement	<input type="checkbox"/> Signed Access Agreement and Release
<input type="checkbox"/> Signed Access Agreement and Release	

Please explain why any of the listed documentation was not included in this packet:

Please list the LPST ID#s of any other active (not closed) LPST sites which you are responsible for addressing:

OPTION 3

This individual/company is not the primary point of contact for corrective action at this site. The following individual/company is the primary point of contact for corrective action at this site:

RP NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT: _____

PHONE: (____) _____ - _____ FAX: (____) _____ - _____

COMMENTS:

This form was completed by:

WALTER CONNER
 Print Name

Walter Conner
 Signature

CONSTRUCTION MNGR
 Title

10-30-95
 Date

TNRCC FAX TRANSMITTAL

91403

DATE: January 31, 1996 NO. OF PAGES (including this sheet):

3

TO: Name FOR/ Mr. Gerald Porter AITN DANA DICKERT

Organization Jerry Porter Oil Co

Fax Number

(409) ~~835 6276~~

Resend To (409) 899 2403

~~866 5992~~

FROM: TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Name Daniel Benson

Division/Region Petroleum Storage Tank Division

Telephone (512) 239-2200

Fax Number (512) 239-2216

NOTES: Response to Corrective Action Proposal(s) for 091423

If you have any problems receiving this fax, please call (512) 239-2200.

Please note that new Corrective Action Preapproval Forms will be required starting September 1, 1995. The forms are available at no cost by downloading from the TNRCC Bulletin Board Services (BBS) (512/239-0700), or over the Internet at <http://www.tnrcc.state.tx.us>. You may also order the forms on diskette for \$6.50 from the TNRCC, P.O. Box 13088, Austin, TX 78711-3088 (please specify the Corrective Action Preapproval Forms on diskette). A pamphlet with reproducible forms is available at no cost by calling 512/239-2200.

Please note that all LPST corrective action proposals and reports need to be prepared by an environmental contracting/consulting firm registered as a Corrective Action Specialist (CAS) and need to have the the signatures and registration numbers of both the CAS and registered Corrective Action Project Manager (CAPM) included pursuant to Title 30, Texas Administrative Code (TAC), Subchapter J. Any proposal that has been prepared by a consulting firm not registered as a CAS by the Texas Natural Resource Conservation Commission (TNRCC) or which does not include the signature and registration number of the Project Manager may be rejected. Please reserve the use of the telefax machines for submitting proposals and data for LPST cases that rank as new priority 1's, for emergency abatement activities, and for field activity reports (Form NO. TNRCC 0017).

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
LPST CORRECTIVE ACTION RESPONSE FORM

LPST-ID: 091423
12/19/95 Proposal For: RISK-BASED ASSESSMENT (RBA)

GENERAL INFORMATION

LPST-ID : 091423 Priority: 2A
Responsible Party : Jerry Porter Oil Co Tel: 409/838-6424
Facility Name : Washington Shell
Facility Address : 1504 Washington Blvd
Facility City : Beaumont County: Jefferson
CAPM & Name : CAPM00388 Thomas Williams
RCAS & Name : RCAS00031 G&B Petroleum, Inc.

TNRCC TECHNICAL RESPONSE

Proposed activity is approved as proposed, but for a reduced amount.

Results from the on-site laboratory analysis should be used to determine the location of subsequent soil and groundwater samples.

Following the completion of the proposed activities in accordance with TNRCC Guidance for Risk-Based Assessments at LPST Sites in Texas (RG-175), a completed Assessment Report Form must be submitted to this Office.

A proposal for the next appropriate corrective action activity should be submitted as Attachment 20 of the Assessment Report Form. All recommendations should be consistent with TNRCC program guidelines and rules.

ACTIVITY COST SUMMARY

Proposed Cost:	16,918.00	Maximum Pre-Approved:	16,820.00
----------------	-----------	-----------------------	-----------

Signature: Daniel Benson. REE Date: 1/31/96 Telephone: 512/239-2200
Daniel Benson

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
LPST CORRECTIVE ACTION RESPONSE FORM

LPST-ID: 091423

12/19/95 Proposal For: RISK-BASED ASSESSMENT (RBA)

Pursuant to 30 TAC Section 334.82 (b), if you determine that contamination from the release has migrated off-site, then you are required to notify the affected landowner(s). Please note that landowners may include state and local owners of right-of-way properties. **Please provide documentation that the affected landowner(s) has/have been notified.**

Reimbursement should only be submitted after the completion of an annual cycle for remediation system operation and maintenance, and quarterly groundwater monitoring unless a more frequent filing period is previously approved by the PST Reimbursement Section. The Reimbursement Section can be reached at 512/239-2001.

cc: Susan Kelly, TNRCC Region 10 Field Office
3870 Eastex Freeway, Suite 110, Beaumont, Texas 77703-1830
Phone: 409/898-3838 Fax: 409/892-2119



*** ACTIVITY REPORT ***

TRANSMISSION OK

TX/RX NO.	9906
CONNECTION TEL	9p4098665992P
CONNECTION ID	G&B PETROLEUM
START TIME	03/05 08:44
USAGE TIME	01'34
PAGES	3
RESULT	OK



*** ACTIVITY REPORT ***

TRANSMISSION OK

TX/RX NO.	9969
CONNECTION TEL	9p4098992403
CONNECTION ID	
START TIME	03/06 10:05
USAGE TIME	01'59
PAGES	4
RESULT	OK

John Hall, Chairman
Pam Reed, Commissioner
Peggy Garner, Commissioner



091403 3/02/93
ACTN RQST

TEXAS WATER COMMISSION

PROTECTING TEXANS' HEALTH AND SAFETY BY PREVENTING AND REDUCING POLLUTION

March 2, 1993

Dear Responsible Party:

The following are being provided with regard to corrective action activities at your site:

- 1) The LPST Action Request Form - This form is to be used to indicate your decision to initiate (or continue) corrective action at your site. If you have not yet done so, please complete and submit this form to the TWC Central Office within thirty (30) days from the date of this letter. This form must be completed and submitted to the TWC regardless of whether or not you choose to conduct corrective action.
- 2) Groundwater Monitoring and Reporting (PST 93-02) - If you choose to continue corrective action, groundwater monitoring programs must follow the guidelines set forth in this document.

We appreciate your cooperation in this matter. The TWC is committed to working with LPST owners and operators to protect human health and safety and the environment in Texas. Please note that all correspondence must include the LPST ID Number and should be submitted to both the TWC local district office and to the central office in Austin. Should you have any questions, please contact your case coordinator or the Responsible Party Remediation Section at (512) 908-2200.

Sincerely,

A handwritten signature in black ink, appearing to read "Ronald R. Pedde".

Ronald R. Pedde, P.E.
Acting Section Chief
Responsible Party Remediation Section
Petroleum Storage Tank Division

Enclosures

John Hall, Chairman
Pam Reed, Commissioner
Peggy Garner, Commissioner



091403 12/28/92
CLARIFY1-6

TEXAS WATER COMMISSION

PROTECTING TEXANS' HEALTH AND SAFETY BY PREVENTING AND REDUCING POLLUTION

December 28, 1992

Re: Clarification -- Responsible Party Initiated Activities

Dear Responsible Party:

This letter is intended to clarify previous letters issued by the Texas Water Commission (TWC) dated October 23, 1992 regarding the termination of corrective action on priority 5 and 6 LPST cases, and November 9, 1992, which revised TWC policy for tank removal over-excavation.

The letters directed owners and operators to stop ongoing assessment activities and to return excavated materials to open excavations. These letters were issued in order to allow the TWC to evaluate all sites to better evaluate actual threat to health and the environment. The Commission will be implementing a risk based remediation program whereby sites will be cleaned up to a level where they no longer pose a risk to human health and the environment. The risk based approach will ensure the most efficient use of the limited funds available to perform corrective actions. In some cases risk assessment at sites will yield a decision that it is not necessary or prudent to clean sites to the traditional action levels of 30 ppm BTEX and 100 ppm TPH. It may be appropriate to leave higher levels of BTEX and TPH at some sites without creating undue risk.

The letters of October 23 and November 9 have apparently created a misunderstanding which I must correct. Those letters have been interpreted as absolute prohibitions on cleanups. This is not the case. Those letters were intended to warn tank owners of problems with the balance in the Petroleum Storage Tank Remediation Fund so that owners with potential cash flow difficulty would be advised not to spend money until they had reasonable assurance that money for reimbursement would be available. In order to further clarify this situation and to rectify misunderstandings that exist, you are advised as follows:

- Anyone who anticipates NOT seeking reimbursement from the PSTR Fund is free to proceed with cleanup activity.
- Anyone who is willing to proceed with cleanup, who expects reimbursement for eligible cleanup costs, but is also willing to wait an extended period of time for reimbursement, may proceed with cleanup activity in accordance with the procedure detailed in this letter.

PETROLEUM STORAGE TANK DIVISION
LPST CASE REVIEW REQUEST FORM

This form is to be utilized when requesting a review of your Leaking Product Storage Tank case. Pursuant to 31, TAC, Chapter 334, Subchapter D and 334.310(f) Subchapter H, prior written approval must be received from the Texas Water Commission (TWC), Petroleum Storage Tank Division.

LPST ID No: _____ [Submit one Form for Each LPST Site]

Responsible Party (RP): _____

RP's Address: _____

RP's City, State, Zip: _____

Contact Person: _____

Facility Name: _____

Facility Address: _____

Facility City, County, Zip: _____

Contact Person: _____

Date(s) of Proposed Remedial Action plan's or assessment activities for which you are requesting review:

Please Check One

I do not wish to start (continue) with my cleanup project until such time that reimbursements can be made in a reasonable timeframe (unless otherwise directed by the TWC).

I wish to start (continue) with my cleanup project at this time, further I acknowledge that any reimbursement for this site will be delayed for an undetermined, but potentially long period of time.

Print Name

Responsible Party Signature

Date

Title

99103
91403

TELEPHONE MEMO TO THE FILE

(Please complete with typewriter or black pen)

Call To: Todd Counter - Espey Call From: Kinder c
Date of Call: 10-19-92 Houston Area File No.: 91403
Phone No.: (AUS) 327-6840 Subject: Final Closure

Information for File: Job #02 ref # None -
V.A. - Name - Billy Steiner
Address - V.A. Medical Center -
3600 Memorial Blvd.
Kerrville, TX 78028

Job still dinkin along - V.A. looking for
minority contractor to do tank pull.

Signed: Kinder M. Chamber -

9/4/03

10-16-92

V.A. Medical Center / Kenville, Tx -

Memo 11-1-88 - Indicates ND for ch₂o sample from BW 4

10-19-89 - Note says to backfill Vault + put "Clay Cap" on it.

Water table is @ 30'/40' - Soils under Vault are "tight clays"!

Last Otrly Report -

July 17, 92 Tested BW-4 No PSH - all samples ND -

Is this the only well they have? } Yes - goes back to '88

9-26-91 Report 2 Call Counter + see if any good NDTPH

3-13-91 all 3a reason to continue 2L.

11-28-90 write Final monitor NDTPH. Memo f send RATR

2-21-87 Memo from Dwight Russell - PST - to Walter Conner - VA - Kenville - monitor at 6 months + then one year. -

6-6-88 - 13 ppm TPH - Questionable analysis - Used #8000. Resulted in full blown CAD to be issued

7-26-88 - CAD issued.

3-20-89 - Rev memo issued Making ref to tests submitted

11-1-88 by Espey, Huston + Asar.

N. F. A. needed except continue to monitor on 6 months basis

SITE CLOSURE APPLICATION LETTER
(Standardized Letter)

CERTIFIED MAIL

7 M R 10-19-92

Billy Stienes
V.A. Medical Center
3600 Memorial Blvd.
Kerrville Tx 78028

Re: Subsurface release of Diesel Fuel at the V.A. Medical Center
3600 Memorial Blvd., Kerrville (Kerr County),
Texas
(LPST ID No. 91403) Espey, Huston & Assoc.

Dear Mr. Stienes:

We have completed our review of the last Quarterly Reports site closure plan for the above-referenced facility as ~~provided in the~~ ~~report~~ submitted by your ~~consultant~~ Consultant, 199. Based upon this and other currently-available information, we conclude that no further assessment or remedial activities are necessary at this time and you may proceed with your closure plan. Please complete the attached site closure application and submit it to this Office with documentation that all items of the site closure ~~plan~~ have been completed.

The TWC will issue a final concurrence letter upon receipt of the completed site closure application. A copy of your response or any other correspondence with this Office must also be provided to Jim Bard of our District 8 Field Office in San Antonio.

Should you have any questions, please contact KMC at 512/908-2243. Please reference the LPST ID Number when making inquiries or submitting correspondence. Your cooperation will be appreciated.

Sincerely,

Responsible Party Remediation Section
Petroleum Storage Tank Division

KMC /mk
91403 .sca

Enclosure

cc: Jim Bard Dist 8 F.O., San Antonio -

SITE CLOSURE APPLICATION LETTER
(Standardized Letter)

CERTIFIED MAIL

Billy Steiner
V.A. Medical Center.
3600 Memorial Blvd.
Kerrville, TX 78028

91403
They are due to Remove
this tank ASAP.

Re: Subsurface release of Diesel Fuel at the V.A. Medical Center
3600 Memorial Blvd., Kerrville (Kerr County),
Texas
(LPST ID No. 91403) Espey, Huston & Assoc.

Dear Mr. Steiner :

We have completed our review of the ^{last Quarterly Reports} site closure plan for the above-referenced facility as ~~provided in the~~ 199 report submitted by your ~~Letter of Consultant~~, 199. Based upon this and other currently-available information, we conclude that no further assessment or remedial activities are necessary at this time and you may proceed with your closure plan. Please complete the attached site closure application and submit it to this Office with documentation that all items of the site closure ~~plan~~ have been completed.

The TWC will issue a final concurrence letter upon receipt of the completed site closure application. A copy of your response or any other correspondence with this Office must also be provided to Jim Bard of our District 8 Field Office in San Antonio.

Should you have any questions, please contact KM at 512/908-2243. Please reference the LPST ID Number when making inquiries or submitting correspondence. Your cooperation will be appreciated.

Sincerely,

Responsible Party Remediation Section
Petroleum Storage Tank Division

KMc /mk
91403 .sca

Send - FAX copy to
Consultant when this goes
out -

Enclosure

cc: Jim Bard Dist 8 F.O., San Antonio -



ESPEY,
HUSTON &
ASSOCIATES, INC.
Engineering & Environmental Consultants

91403

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JUL 29 1992

TWC/PST/RPR

PEC

28 July 1992

Mr. Tom Lewis
Texas Water Commission
Petroleum Storage Tank Division
Responsible Party Remediation
P.O. Box 13087
Austin, Tx 78711-3087

EH&A Job No. 13079

Re: Ground-Water Sampling and Testing at VA Medical Center, Kerrville, Texas
L.U.S.T No. 91403

Dear Mr. Lewis:

At the request of Mr. Billy Stiener of the Engineering Department at Veterans Administration Medical Center in Kerrville Texas, please find enclosed a field report and laboratory report associated with the groundwater sampling event performed by EH&A on July 17, 1992.

Should you have any questions regarding the enclosed information, please do not hesitate to contact me at (512) 327-6840.

Sincerely,

Charles Todd Counter
Project Staff
Waste Management Division

Enclosure

cc: Mr. Billy Stiener:
Veteran's Administration



ESPEY,
HUSTON &
ASSOCIATES, INC.
Engineering & Environmental Consultants

MEMORANDUM

TO: Billy Stiener

FROM: Todd Counter *TC*

DATE: 28 July 1992

SUBJECT: Field Report of well BW-4 monitoring/VA Medical Center, Kerrville, Texas
EH&A Job No. 13079

At 1130 hours on 17 July 1992, I began sampling procedures for BW-4, which consisted of determining the volume of water in casing, observing top of water column for hydrocarbon products, purging the well of stagnate water, and collecting a water sampling.

The volume of water in the casing was determined by utilizing a depth to water meter (DTW). First measurement from the top of the well casing to the top of the static water level was made. Next, total well depth was measured. Then, taking into consideration gallons per linear foot and water column depth, the proper purging volume was determined.

Before purging began, the top 25 inches of the column was observed for the presence of hydrocarbon free product. After proper decontamination of the bailer (i.e., triple washed and rinsed, hexane rinsed, final rinse), the bailer was lowered into the top of the static water level. Upon retrieval, no aromatic or visual observations were made of existing hydrocarbon products.

Next, the well was purged of three (3) times the volume of water in the casing. Water being purged appeared clear at first, then took on a cloudy brown appearance with increased suspended load. A total of four (4) gallons were purged from the well. Two 40 ml VOA bottles were then filled at 1200. Following, two 500 ml amber glass bottles was filled at 1203. The samples were immediately labeled and placed on ice in a portable cooler.

The well was locked prior to leaving the site. The samples were then transported back to Austin, Texas where the samples were submitted to Analysis, Inc. Laboratory in Austin for required analysis.

The field measurements and sample test methods are as follows:

Purged Well	Time	DTW (ft.)	Well Depth (ft.)	Water Col. (ft.)	Casing (gal.)	(gal.)
BW-4	1200	41.95	48.83	6.88	1.12	4.0

Analysis	Method
Total Petroleum Hydrocarbon (TPH)	<u>418.1</u>
Benzene, toluene, ethylbenzene, total xylenes (BTEX)	<u>8020</u>



4221 Freidrich Lane, Suite 190, Austin, Texas 78744-1044 ☐ (512) 444-5896 FAX: (512) 447-4766

Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Todd Counter 512-327-6840

Report #: 30723
Report Date: 7/22/92

Project Description: VA/Kerville

Sample Name: BW -4

Date/Time Taken: 7/17/92 12:00:00

Matrix: water
Date/Time Received: 7/17/92 4:15:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>MDL/PQL(1)</u>	<u>Blank</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Benzene	<0.02	mg/L	0.001	<0.001	7/20/92	8020
Ethylbenzene	<0.02	mg/L	0.001	<0.001	7/20/92	8020
m,p-Xylenes	<0.02	mg/L	0.001	<0.001	7/20/92	8020
o-Xylene	<0.02	mg/L	0.001	<0.001	7/20/92	8020
Petroleum hydrocarbons	<0.2	mg/L	0.2	<0.2	7/20/92	418.1
Toluene	0.017	mg/L	0.001	<0.001	7/20/92	8020

1. Method Detection Limit (MDL), principally for inorganics, or Practical Quantitation Limit (PQL), principally for organics by GC or GC/MS.

Respectfully submitted,

Mark Krause

All method numbers denote USEPA procedures unless otherwise stated. "< or Less than" values reflect the nominal detection or quantitation limit (MDL/PQL) of the method employed.

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Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Todd Counter

Report #: 30723
512-327-6840

Project Description: VA/Kerville

Sample Name: BW -4

Date/Time Taken: 7/17/92 12:00:00

Matrix: water
Date/Time Received: 7/17/92 4:15:00

Q.A. Data Report ¹

Parameter	Precision ²	Recovery ³
Benzene	8.5	80
Ethylbenzene	7.7	86
m,p-Xylenes	2.6	99
o-Xylene	4.2	98
Petroleum hydrocarbons	0	-NA-
Toluene	0.4	77

1. QA data reported is for the lot analyzed which included this sample.
2. Precision is the absolute value of the percent difference between duplicate measurements.
3. Recovery is the percent of analyte recovered from spiked samples.

CHAIN-OF-CUSTODY

ANALYSYS, INC.

4221 Freidrich Lane, Suite 190, Austin, TX 78744

Project Name/PO#: VA/Kennel Sampler: Teos Coates Affiliation: Espey, Houston & Assoc

Address Reports to: 1111 Capital of TX Hwy South (Company Name) Espey, Houston & Assoc (Attn) Tom Bruner

Bill to (if different): _____ (Company Name) _____ (Attn)

AnalySys Sample #	Sample Description	Number of Containers	Date Sampled	Time Sampled	FIELD TESTED	Analyses Requested (3) <small>Please attach explanatory information as required</small>
BW-4	Groundwater	2	7/17/92	12:00 p.	X	
11		2	"	"	X	

(1) Method 8020/ for soils and waters unless otherwise specified. (2) Method 418.1 unless otherwise specified. (3) Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL).

Special billing instructions (see back) YES NO (to be completed by AnalySys, Inc. personnel only)

Sample Relinquished By		Sample Received By		Date	Time
Name	Affiliation	Name	Affiliation		
<u>Teos Coates</u>	<u>ESA</u>	<u>X Elton</u>	<u>AS</u>	<u>7-17-92</u>	<u>4:15</u>

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

30123



ESPEY,
HUSTON &
ASSOCIATES, INC.
Engineering & Environmental Consultants

REC

91403
RECEIVED
OCT 18 1991
TWC/PST/RPR

17 October 1991

Pam Chappell
Texas Water Commission
Petroleum Storage Tank Division
Responsible Party Remediation
Stephen F. Austin Building
P.O. Box 13087
Austin, Texas 78711-3087

EH&A Job No. 13628

Re: Ground-Water Sampling and Testing at VA Medical Center, Kerrville, Texas
LUST No. 91403

Dear Pam:

At the request of Mr. Walter Conner of the Engineering Department at Veterans Administration Medical Center in Kerrville Texas, please find enclosed a field report and laboratory report associated with the groundwater sampling event performed by EH&A on September 11, 1991.

Should you have any questions regarding the enclosed information, please do not hesitate to contact me at (512) 327-6840.

Sincerely,

Charles Todd Counter
Project Support Staff
Hazardous & Solid Waste Management Program

CTC:sn

Enclosure

cc: Mr. Walter Conner, VA Medical Center
Mr. Billy Steiner, VA Medical Center
J. Jackson Harper, EH&A

MEMORANDUM

TO: Jackson Harper
FROM: Todd Counter
DATE: 16 October 1991
SUBJECT: Ground-water Monitoring Event/VA Medical Center, Kerrville, Texas
EH&A Job No. 13628

On September 11, 1991, I met with Mr. Billy Steiner of the VA Medical Center.

At 1100 hours, I began sampling procedures for BW-4, which consisted of determining the volume of water in casing, observing top of water column for hydrocarbon products, purging the well of stagnate water, and collecting a water sampling.

The volume of water in the casing was determined by utilizing a depth to water meter (DTW). First measurement from the top of the well casing to the top of the static water level was made. Next, total well depth was measured. Then, taking into consideration gallons per linear foot and water column depth, the proper purging volume was determined.

Before purging began, the top 25 inches of the column was observed for the presence of hydrocarbons. After proper decontamination of the bailer (i.e., triple washed and rinsed, hexane rinsed), the bailer was lowered into the top of the static water level. Upon retrieval, no aromatic or visual observations were made of existing hydrocarbon products.

Next, the well was purged of three (3) times the volume of water in the casing. Water being purged appeared clear at first, then took on a cloudy brown appearance with increased suspended load. A total of 2.85 or three (3) gallons were purged from the well. Two 40 ml VOA bottles were then filled at 1130. Following, one 500 ml amber glass bottles was filled at 1135. The samples were immediately labeled and placed on ice in a portable cooler.

The well was locked prior to leaving the site. The samples were then transported back to Austin, Texas. On 11 September 1991, samples were submitted to Analysis, Inc. in Austin for analysis.

Jackson Harper
 16 October 1991
 Page 2

The field measurements and sample test methods are as follows:

Well	Time	DTW (ft.)	Well Depth (ft.)	Water Col. (ft.)	Casing (gal.)	Purged (gal.)
BW-4	1100	42.92	48.74	5.82	.95	2.85

Analysis	Method
Total Petroleum Hydrocarbon (TPH)	418.1
Benzene, toluene, ethylbenzene, total xylenes (BTEX)	8020

Client: Espey-Huston and Associates
 P.O. Box 519
 Austin TX 78767
 Attn: Todd Counter 512-327-6840

Report #: 22907
 Report Date: 9/26/91

Project Description: VA Hospital
 Sample Name: BW-4
 Date/Time Taken: 9/11/91

Matrix: water
 Date/Time Received: 9/11/91 2:00:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>MDL/PQL(1)</u>	<u>Blank</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Gasoline-8020	see enclosed				9/17/91	8020
Petroleum hydrocarbons	<0.2	mg/L	0.2	<0.2	9/18/91	418.1
Benzene	36	µg/L	1	<1	9/17/91	8020
Ethylbenzene	18	µg/L	1	<1	9/17/91	8020
m,p-Xylenes	54	µg/L	1	<1	9/17/91	8020
o-Xylene	25	µg/L	1	<1	9/17/91	8020
Toluene	80	µg/L	1	<1	9/17/91	8020

1. Method Detection Limit (MDL), principally for inorganics, or Practical Quantitation Limit (PQL), principally for organics by GC or GC/MS.

Respectfully submitted,



Mark Krause

All method numbers denote USEPA procedures unless otherwise stated. "< or Less than" values reflect the nominal detection or quantitation limit (MDL/PQL) of the method employed.

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Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Todd Counter

Report #: 22907
Report Date: 9/26/91

512-327-6840

Project Description: VA Hospital
Sample Name: BW-4
Date/Time Taken: 9/11/91

Matrix: water
Date/Time Received: 9/11/91 2:00:00

Q.A. Data Report ¹

Parameter	Precision ²	Recovery ³
Benzene	12	100
Ethylbenzene	11	95
m,p-Xylenes	7	96
o-Xylene	9	97
Petroleum hydrocarbons	8	-NA-
Toluene	5	98

1. QA data reported is for the lot analyzed which included this sample.
2. Precision is the absolute value of the percent difference between duplicate measurements.
3. Recovery is the percent of analyte recovered from spiked samples.

CHAIN-OF-CUSTODY

ANALYSYS, Inc.
4221 Friedrich Lane, Suite 190, Austin, TX 78744

Project Number/Name: VA Hospital Sampler: Toed Coenker Affiliation: EHA

AnalySys Sample #	Sample Description	Number of Containers	Date Sampled	Time Sampled	Analyses Requested		
					TEP (D)	TEP (M)	Other
BK1-41	Groundwater	1	9-11-91		X	Normal Toxarsoid	
BK1-41	11	2	9-11-91		X	11	

(1) Method 8020/AHS for soils and 8020/P&T for waters unless otherwise specified. (2) Method 418.1 unless otherwise specified.

Special billing instructions (see back) YES NO (to be completed by AnalySys, Inc. personnel only)

Sample Relinquished By		Sample Received By		Date	Time
Name	Affiliation	Name	Affiliation		
Toed Coenker	EHA	Richard Lawrence	AnalySys	9-11-91	1400pm

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

22907



ESPEY,
HUSTON &
ASSOCIATES, INC.
Engineering & Environmental Consultants

REC
RECEIVED
MAY 15 1991
TWC/PST/RPR

91403

13 May 1991

Pam Chappell
Texas Water Commission
Petroleum Storage Tank Division
Responsible Party Remediation
Stephen F. Austin Building
P.O. Box 13087
Austin, Texas 78711-3087

EH&A Job No. 13079

Re: Ground-Water Sampling and Testing at VA Medical Center, Kerrville, Texas
L.U.S.T No. 91403

Dear Pam:

At the request of Mr. Walter Conner of the Engineering Department at Veterans Administration Medical Center in Kerrville Texas, please find enclosed a field report and laboratory report associated with the groundwater sampling event performed by EH&A on February 27, 1991.

Should you have any questions regarding the enclosed information, please do not hesitate to contact me at (512) 327-6840.

Sincerely,

Charles Todd Counter
Project Support Staff
Hazardous & Solid Waste Management Program

CTC:sn

Enclosure

cc: Mr. Walter Conner
Veteran's Administration

MEMORANDUM

TO: Jackson Harper
FROM: Todd Counter *T*
DATE: 28 February 1991
SUBJECT: Ground-water Monitoring Event/VA Medical Center, Kerrville, Texas
EH&A Job No. 13079

On February 27, 1991, I met with Mr. Walter Conner of hospital engineering. Mr. Conner directed me to the underground storage tank location.

At 1220 hours, I began sampling procedures for BW-4. BW-4 was sampled after proceeding in the order of: determining the volume of water in casing, observing top of water column for hydrocarbon products, and purging the well of stagnate water.

The volume of water in the casing was determined by utilizing a depth to water meter (DTW). First measurement from the top of the well casing to the top of the static water level was done. Next, total well depth was measured. Then, taking into consideration gallons per linear foot and water column depth, the proper purging volume was determined.

Before purging began, the top 25 inches of the column was observed for the presence of hydrocarbons. After proper decontamination of the bailer (i.e., triple washed and rinsed, hexane rinsed), the bailer was lowered into the top of the static water level. Upon retrieval, no aromatic or visual observations were made of existing hydrocarbon products.

Next, the well was purged three (3) times the casing volume. Water being purged appeared clear at first, then took on a cloudy brown appearance with increased suspended load. A total of 2.93 or three (3) gallons were purged from the well. Two 40 ml VOA bottles were then filled at 1235. Following, two 500 ml amber glass bottles were filled at 1280. The samples were immediately labeled and placed on ice in a portable cooler.

The well was locked prior to leaving the site. The samples were then transported back to Austin, Texas. On 27 February 1991, samples were submitted to Analysis, Inc. in Austin for proper analysis.

Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Todd Counter

Report #: 18550
Report Date: 3/13/91

512-327-6840

Project Description: VA Hospital

Sample Name: BW-4

Date/Time Taken:

Matrix: water
Date/Time Received: 2/27/91 4:20:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>MDL/PQL</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Gasoline-8020	see attached			3/4/91	8020
Benzene	< 1	µg/L	1	3/4/91	8020
Ethylbenzene	< 1	µg/L	1	3/4/91	8020
m,p-Xylenes	< 1	µg/L	1	3/4/91	8020
o-Xylene	< 1	µg/L	1	3/4/91	8020
Toluene	< 1	µg/L	1	3/4/91	8020

Respectfully submitted,



Mark Krause

All method numbers denote USEPA procedures unless otherwise stated. "< or Less than" values reflect the nominal detection or quantitation limit (MDL/PQL) of the method employed.

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Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Todd Counter

Report #: 18551
Report Date: 2/28/91

512-327-6840

Project Description: VA Hospital
Sample Name: RW-4
Date/Time Taken:

Date/Time Received: Matrix: water
4:20:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>MDL/PQL</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Petroleum hydrocarbons	<0.2	mg/L	0.2	2/28/91	418.1

Respectfully submitted,



Mark Krause

All method numbers denote USEPA procedures unless otherwise stated. "< or Less than" values reflect the nominal detection or quantitation limit (MDL/PQL) of the method employed.

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ESPEY,
HUSTON &
ASSOCIATES, INC.
Engineering & Environmental Consultants



7 January 1991

Pam Chappell
Texas Water Commission
Petroleum Storage Tank Division
Responsible Party Remediation
Stephen F. Austin Building
P.O. Box 13087
Austin, Tx 78711-3087

EH&A Job No. 13079

Re: Ground-Water Sampling and Testing at VA Medical Center, Kerrville, Texas
L.U.S.T No. 91403

Dear Pam:

At the request of Mr. Walter Conner of the Engineering Department at Veterans Administration Medical Center in Kerrville Texas, please find enclosed a field report and laboratory report associated with the groundwater sampling event performed by EH&A on November 19, 1990.

Should you have any questions regarding the enclosed information, please do not hesitate to contact me at (512) 327-6840.

Sincerely,

Charles Todd Counter
Project Support Staff
Hazardous & Solid Waste Management Program

CTC:sn

Enclosure

cc: Mr. Walter Conner
Veteran's Administration

MEMORANDUM

TO: Jackson Harper
FROM: Todd Counter TC
DATE: 21 November 1990
SUBJECT: Ground-water Monitoring Event/VA Medical Center, Kerrville, Texas
EH&A Job No. 13079

On November 19, 1990, I met with Mr. Joe Gaspard who directed me to Walter Conner of hospital engineering. Mr. Conner escorted me to the underground storage tank location. I then proceeded in describing the sampling technique I intended to utilize for the monitor well (BW-4). Mr. Conner then returned to his office.

At 1320 hours, I began sampling procedures for BW-4. BW-4 was sampled after proceeding in the order of: determining the volume of water in casing, observing top of water column for hydrocarbon products, and purging the well of stagnate water.

The volume of water in the casing was determined by utilizing a depth to water meter (DTW). First measurement from the top of the well casing to the top of the static water level was done. Next, total well depth was measured. Then, taking into consideration gallons per linear foot and water column depth, the proper purging volume was determined.

Before purging began, the top 25 inches of the column was observed for the presence of hydrocarbons. After proper decontamination of the bailer (i.e., triple washed and rinsed, hexane rinsed), the bailer was lowered into the top of the static water level. Upon retrieval, no aromatic or visual observations were made of existing hydrocarbon products.

Next, the well was purged three (3) times the casing volume. Water being purged appeared clear at first, then took on a cloudy brown appearance with increased suspended load. A total of 2.98 or three (3) gallons were purged from the well. Two 40 ml VOA bottles were then filled at 1325. Following, two 500 ml amber glass bottles were filled at 1335. The samples were immediately labeled and placed on ice in a portable cooler.

The well was locked prior to leaving the site. The samples were then transported back to Austin, Texas. On 20 November 1990, samples were then submitted to Analysis, Inc. in Austin for proper analysis.

Jackson Harper
 21 November 1990
 Page 2

The monitoring activities and sample test methods are as follows:

<u>Well</u>	<u>Time</u>	<u>DTW (ft.)</u>	<u>Well Depth (ft.)</u>	<u>Water Col. (ft.)</u>	<u>Casing (gal.)</u>	<u>Purged (gal.)</u>
BW-4	1315	42.75	48.83	6.08	.99	2.98

<u>Analysis</u>	<u>Method</u>
Total Petroleum Hydrocarbon (TPH)	418.1
Benzene, toluene, ethylbenzene, total xylenes (BTEX)	8020

Client: Espey-Huston and Associates

Report #: 17002

Report Date: 11/28/90

Attn: Todd Counter

Project Description: VA Hospital

Sample Name: BW-4

Date/Time Taken: 11/19/90 1:25:00

Date/Time Received: 11/20/90 Matrix: water
1:48:00**Report of Analysis**

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Gasoline-8020	see enclosed		11/21/90	8020
Petroleum hydrocarbons	<0.2	mg/L	11/28/90	418.1
Benzene	2.0	µg/L	11/21/90	8020
Ethylbenzene	6.0	µg/L	11/21/90	8020
m,p-Xylenes	40	µg/L	11/21/90	8020
o-Xylene	16	µg/L	11/21/90	8020
Toluene	5.0	µg/L	11/21/90	8020

69 YPB

Respectfully submitted,



Mark Krause

All method numbers denote USEPA procedures unless otherwise stated.
"Less than" values reflect the nominal detection limit of the method employed.

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TELEPHONE MEMO TO THE FILE

(Please complete with typewriter or black pen)

Call To: Pamela E. Chappell

Call From: Todd Counter (SP Houston)

Date of Call: 11-21-90

File No.: 91403

Phone No.: () 327-6840

Subject: _____

Information for File: _____

- V.A. had a personnel change. Therefore, Mr. Counter is requesting an update on this site.
- They have been monitoring since '87.
- Wanted to know sampling/monitoring frequency. I requested 4/ly monitoring.

IT CORPORATION
Results by Sample

Work Order # A8-09-063

Received: 09/14/88

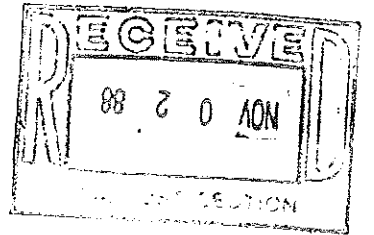
Client: ESPEY HUSTON & ASSOCIATES
DATE ANALYZED: 10/06/88 DATE EXTRACTED: 10/06/88 SAMPLE COLLECTED: 09/14/88

DATE COLLECTED: 09/14/88

BENZENE, TOLUENE, XYLENE, ETHYL BENZENE, TPH & VHC

COMPOUND RESULT	UNITS
Benzene <1.0	ug/L
Ethylbenzene <1.0	ug/L
Toluene <1.0	ug/L
Xylenes (total) <1.0	ug/L
Extractable Petroleum Hydro. (TPH) <10	mg/L
Volatile Petroleum Hydro. (VHC) n/a	n/a

Comments: A less than (<) indicates the compound is not detected at the level indicated.



IT CORPORATION
Results by Sample

Work Order # A8-09-063

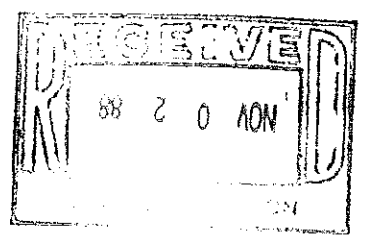
Client: ESPEY HUSTON & ASSOCIATES SAMPLE ID COMPOSITE
DATE ANALYZED: 10/06/88 DATE EXTRACTED: 10/06/88 SAMPLE COLLECTED: 09/14/88

DATE COLLECTED: 09/14/88

BENZENE, TOLUENE, XYLENE, ETHYL BENZENE, TPH & VHC

COMPOUND RESULT	UNITS
Benzene <1.0	ug/l
Ethylbenzene <1.0	ug/l
Toluene <1.0	ug/l
Xylenes (total) <1.0	ug/l
Extractable Petroleum Hydro. (TPH) <10	mg/l
Volatile Petroleum Hydro. (VHC) n/a	n/a

Comments: A less than (<) indicates the compound is not detected at the level indicated.



Received: 09/14/88

IT CORPORATION

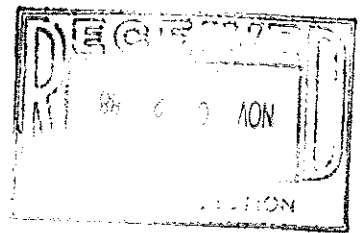
REPORT

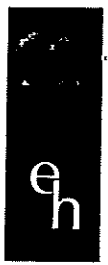
Work Order # A8-09-063

Test Methodology

TEST CODE BETXHC NAME B-T-X Ethyl Benz TPH & VHC

- BETX-Low level
EPA 8020--This technique uses a purge and trap with GC and photo ionization detection (PID).
- BETX-High level
EPA 8015 (mod)--This technique uses a heated headspace injection with GC and flame ionization detection (FID).
- TPH-Extractable Petroleum Hydrocarbons
State of California--This method is used if diesel is suspected. The technique uses a hexane extraction and GC analysis is compared against diesel standards.
- VHC-Volatile Hydrocarbons
EPA 8015 (mod)--This technique uses a heated headspace injection with GC and flame ionization detection (FID). This provides a semi-quantitative summary of volatile hydrocarbon compounds.





ESPEY,
 HUSTON &
 ASSOCIATES, INC.
 Engineering & Environmental Consultants

RC
 PF

1 November 1988

Mr. Patrick Finn
 Texas Water Commission
 P.O. Box 13087, Capitol Station
 Austin, Texas 78711-3087

Re: Veterans Administration Medical Center
 LUST No. 91403
 EH&A Job No. 11402

Dear Mr. Finn:

Please find attached the results of laboratory analyses of two water samples from monitor well BW-4 at the referenced facility.

Our original intention was to collect three water samples from the well. One each was to come from the top and bottom of the water column in the well. The third was to be a composite sample after evacuating three water volumes from the well. However, at the time of sampling, the water column consisted of only about three feet of water. Thus, only two samples were collected. One sample was from the top of the water column, and one was a composite sample after bailing.

The samples were collected with a teflon bailer and placed in VOA bottles. The samples were stored on ice for transfer to the laboratory.

The analyses indicate all concentrations to be below detectable limits. Total petroleum hydrocarbons were analyzed with two methods. The State of California method is indicated on the individual laboratory sheets (pages 2 and 3). Total petroleum hydrocarbon results by IR EPA 418.1 are given on page one of the laboratory report.

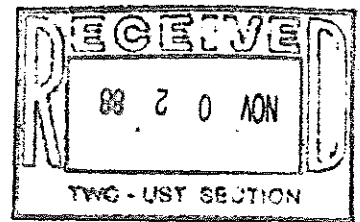
If you have any questions, please feel free to call at your convenience.

Sincerely,

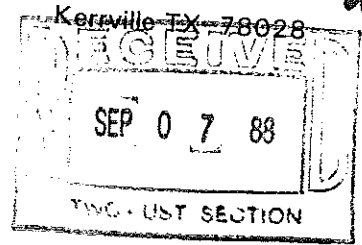
Tom R. Partridge, P.E.
 Senior Geological Engineer

TRP:cg

cc: Mr. Walt Connor, VA Hospital, Kerrville



PF
Medical Center



**Veterans
Administration**

September 2, 1988

In Reply Refer To: 591/138

Patrick Finn
Texas Water Commission
Underground Storage Tank Section
P.O. Box 13087 Capitol Station
Austin, TX 78711-3087

SUBJ: Subsurface release of diesel fuel at the Veterans Administration
Medical Center, Kerrville, Texas (LUST ID# 91403)

Dear Mr. Finn:

Reference is made to a letter issued by your department, dated July 26, 1988, same subject as above, in which you have requested specific actions to be accomplished by this facility by September 12, 1988. I am in agreement with regard to the steps outlined in your letter, but I am requesting a sixty day time extension to the action date of September 12, 1988. This time extension is requested to allow this facility to perform additional testing on monitor well BW-4. Description of hydrocarbon test procedures and test results will be forwarded to your department by the testing lab when completed. This second test is to confirm the results submitted to you on June 28, 1988.

We anticipate having the second test completed by September 16, 1988, at which time a decision will be made based on the test results, as to what other actions will be required.

Sincerely yours,

ARNOLD E. MOUSH
Director

TEXAS WATER COMMISSION



Paul Hopkins, Chairman
John O. Houchins, Commissioner
B. J. Wynne, III, Commissioner

J. D. Head, General Counsel
Michael E. Field, Chief Examiner
Karen A. Phillips, Chief Clerk

Allen Beinke, Executive Director

July 26, 1988

CERTIFIED MAIL

Mr. Arnold E. Mouish
Veterans Administration Medical Center
3600 Memorial Blvd.
Kerrville, Texas 78028

Re: Subsurface Release of Diesel at the Veterans Administration Medical Center,
3600 Memorial Blvd., Kerrville (Kerr County), Texas
(LUST ID No. 91403)

Dear Mr. Mouish:

Reference is made to the information package submitted by you on June 28, 1988 regarding the analytical results of a water sample collected from monitor well BW-4 at the above-referenced facility. The results of the analysis indicate that groundwater has been impacted by the diesel release at this facility. Therefore, additional assessment activities need to be performed to definitively determine the extent and degree of the subsurface diesel contamination. Based upon the results of this assessment, a decision will be made by this Office regarding necessary remedial and/or monitoring activities.

Pursuant to Section 26.351 of the Texas Water Code, you are requested to perform the following activities and to prepare a detailed report for submittal to this Office. This report must include the following information:

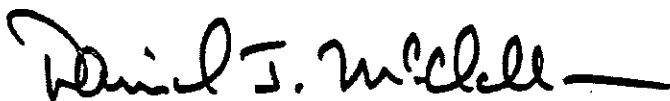
1. A definitive assessment of the extent and degree of subsurface diesel contamination. This should include the following activities:
 - a. The installation of at least three additional monitor wells. It is recommended that two wells be installed near the former locations of Borings 1 and 2. A third well should be installed topographically downgradient of BW-4. If these wells do not define the extent of the contaminant plume, then additional wells will have to be installed.
 - b. The collection of soil and water samples from the above-requested monitor wells. Please note that the water samples should be collected approximately two (2) weeks subsequent to the development of the monitor wells.
2. Copies of the State of Texas Water Well Reports (Form No. WWD-012) for the newly-installed monitor wells as is now required under the Texas Water Well Drillers Act. All monitor wells are to be installed by licensed drillers only.

3. A groundwater-gradient map prepared from water level measurements taken from the facility monitor wells.
4. An updated site map which includes the locations of the new monitor wells.
5. Laboratory reports providing the results of all sample analyses and a description of sample collection and analytical procedures. Only EPA-approved methods will be accepted for the collection and analysis of samples utilized to determine waste classifications and final cleanup levels.

We request that the completed site assessment study be provided to this Office no later than September 12, 1988. A copy of this report and any other correspondence with this Office must be provided to our District 8 Field Office in San Antonio to the attention of Ms. Vickie Schwab. You are also required to notify Ms. Schwab at 512-490-3096 at least forty-eight (48) hours in advance of all on-site assessment and/or remediation activities.

Should you have any questions or require guidance, please contact Mr. Patrick Finn of my staff at 512/463-7786. Your cooperation in this matter will be appreciated.

Sincerely,



Daniel J. McClellan, Head
Underground Storage Tank Enforcement Unit
Underground Storage Tank Section

PKF/jdh
04:91403/vamedctr

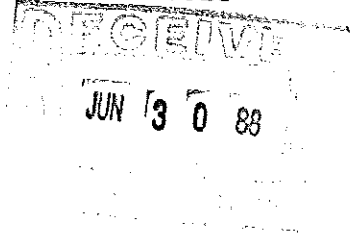
cc: TWC District 8 Field Office - Ms. Vickie Schwab
(140 Heimer Road, Suite 360, San Antonio, Texas 78232-5028)

Medical Center

Kerrville TX 78028



**Veterans
Administration**



June 28, 1988

In Reply Refer To: 591/138

Mr. Patrick Finn
Underground Storage Tank Section
Water Rights & Uses Division
Texas Water Commission
P.O. Box 13087 Capitol Station
Austin, Texas 78711-3087

Re: Subsurface Diesel Contamination at the
VA Medical Center: Water Sample Results
(LUST ID No. 91403)

Dear Mr. Finn:

Enclosed please find a water analysis result for our Diesel spill. As indicated in the results, our level of contamination was 13 mg/L. If this result exceeds the State limit, please contact us for further action on our part.

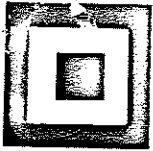
If you need additional information, please contact my Engineering Officer, Mr. Walter B. Conner, at 512-896-2020, extension 197.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Arnold E. Mouish'.

ARNOLD E. MOUSH
Director

Enclosure



**Cubix
Corporation**

P.O. 591-C 80117

P.O. Box 5083, Austin, Texas 78763 □ (512) 444-5830

Client: Cook-Joyce, Inc.
812 W. 11th Street
Austin TX 78701
Attn: Boyd Dreyer

RECEIVED
JUN 8 1988
COOK-JOYCE INC.

Report #: 5321
Report Date: 6/6/88

Project Description: #89068
Sample Name: VA Hospital
Date/Time Taken: 5/3/88 3:45:00

Matrix: Water
Date/Time Received: 5/4/88 9:40:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Hydrocarbons as fuel oil	13	mg/L	6/2/88	8000

Respectfully submitted,

Mark Krause

Mark Krause

All method numbers denote USEPA procedures unless otherwise stated.
"Less than" values reflect the nominal detection limit of the method employed.
© Copyright 1988 Cubix Corporation, Austin, Texas. All rights reserved.

PO: 591 C 8011



CUBIX CORPORATION
P.O. BOX 5083, AUSTIN, TEXAS 78763

CHAIN-OF-CUSTODY

Project Number/Name: CJI 89068 Sampler: K. Hicks

Affiliation of Sampler: Cook-Joyce Inc

Cubix Sample#	Sample Description	Number of Containers	Time/Date Sampled	Analyses Requested
	<u>VA Hosp.</u>	<u>2</u>	<u>5/3/88 3:45</u>	<u>Hydrocarbons as fuel oil</u>

Special billing instructions (see back) YES NO

Relinquished by B. Meyer Date/Time: 5/4/88 @ 9:40

Affiliation: _____

Received by [Signature] Date/Time: 5/4/88 @ 9:40

Affiliation: Cubix

Received by: _____ Date/Time: _____

Affiliation: _____

The analyses requested, for the samples tendered on this chain-of-custody are expected to be completed and ready for reporting no sooner than _____ by: _____

[Tendering of above described samples to Cubix Corporation for analytical testing constitutes agreement by buyer/sampler to Cubix Corporation's standard terms.]

source: elbow joint leak of reg. unexcavated g. conductor (91429)

tanks; removed?

Today's date:

Report date: 10.9.88

GW depth:

GW gradient: (topo SW)

gradient map w/ data:

8- Clay - sandy clay - brown - tan silty clay

geology: Blackland Prairie - little relief & dark plastic clay soil

Ponder-Sanger-Siddell Assoc. - deep, level - gentle sloping, loamy + clay

under bedrock -> limestone

major formations / aquifers:

Cause:

Vol. lost:

Measures taken:

for abatement

Vol. excavated:

Borings:

MWS:

	BTX	PPB	TPH	BTX	TPH	SO ₄	E. dispenser
	BTX	TPH	BTX	TPH	SO ₄	BTX	TPH
MW1							
MW2							
MW4							
MW5							
MW6							
MW7							
MW8							
MW9							

Screened properly?

Contamination defined? Soil:

H.D.:

TDS:

Water Well Inventory w/ map:

WWD Rpts:

Site Map:

City Map:

Lab Rpts:

Disposition:

Remediation Proposal:

In order to determine if additional actions are necessary.

TEXAS WATER COMMISSION

2257 ✓

Paul Hopkins, Chairman
John O. Houchins, Commissioner
B. J. Wynne, III, Commissioner



James K. Rourke, Jr., General Counsel
Michael E. Field, Chief Examiner
Karen A. Phillips, Chief Clerk

Allen Beinke, Executive Director
December 21, 1987

CERTIFIED MAIL

Mr. Walter Conner
Veteran's Administration Medical Center
3600 Memorial Boulevard
Kerrville, Texas 78028

Re: Subsurface Diesel Contamination at the V. A. Medical Center,
3600 Memorial Boulevard, Kerrville (Kerr County), Texas
(LUST ID No. 91403)

Dear Mr. Conner:

We have completed our review of the report prepared by Espey, Huston & Associates, Inc. dated October, 1987 concerning the above-referenced site. Our review indicates that the site appears to have been satisfactorily decontaminated. However, it is recommended that monitoring be performed in order to ensure that no direct vertical migration of diesel occurred below the concrete tank vault that might have escaped detection by the borings which were performed on the periphery of the tank vault. Therefore, water samples must be collected from BW-4 in approximately six months and again in one year. These samples should be analyzed for total hydrocarbons as diesel. The results of the sample analyses and a description of the sampling and analytical procedures utilized should be submitted to this Office following each sampling period. Only EPA-approved methods will be accepted for sample collection procedures and verification analyses.

Copies of all correspondence with this Office must be provided to our District 8 Field Office in San Antonio to the attention of Ms. Vicki Schwab. Should you have any questions, please contact Mr. Patrick Finn of the UST Enforcement Unit at 512/463-8217. Your cooperation in this matter has been appreciated.

Sincerely,

Dwight C. Russell; Chief
Underground Storage Tank Section
Water Rights & Uses Division

PF:dm

CC: TWC District 8 Field Office - Ms. Vicki Schwab.
(321 Center Street, Suite 1103, San Antonio, Texas 78202-2785)

TELEPHONE MEMO TO THE FILE

(Please complete with typewriter or black pen)

Call To: Pat Finn

Call From: Clyde Smith

Date of Call: 10-19-87

File No.: _____

Phone No.: (____) _____

Subject: V.A. Kerrville

Espy Houston

Information for File: 5 berlings, 1 mon well

* 30' x 40' vault - "furry" residue left on sides & bottom after all product pumped out

* Very small amount of cont. soil outside vault

* Told Clyde to place cont. soil inside vault & backfill vault ^{rest of way 4 clean soil} & also put clean backfill in trenches (where cont. soil was removed) & to put clay "cap" over vault.

- This will eliminate rainfall infiltration (which probably wouldn't occur even w/out clay cap). Also, since water table is at ~30'-40' it will ~~not~~ "probably" not ever rise above the base of the vault (soils under vault are tight clay too)

- Told Clyde I would ask for a periodic sampling of the well to ensure no prod. migration to water table.

Signed: Pat Finn

McC. TWC
9-30-87



**Veterans
Administration**

CERTIFIED MAIL

September 29, 1987

In Reply Refer To: 591/138

Texas Water Commission
P.O. Box 13087
Capitol Station
Austin, TX 78711-3087

Attn: Mr. Dwight C. Russell, Head
Underground Storage Tank Unit
Ground Water Conservation Section

Subj: Subsurface Release of Diesel Fuel at the
VA Medical Center, 3600 Memorial Boulevard,
Kerrville, TX (LUST ID No. 91403)

Dear Mr. Russell:

We have recently contracted with the firm of Espey-Huston in Austin, Texas, for their services in helping us resolve our environmental problem. A Mr. Clyde Smith of Espey-Huston arrived at our underground tank site, along with a drilling rig, this date.

Mr. Smith and I reviewed the information you requested in your letter of September 9, 1987. Espey-Huston has been requested to send their complete report of our underground tank diesel fuel problem directly to your office, with a copy to your District 8 Field Office in San Antonio.

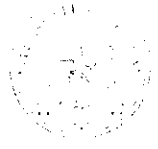
Since Espey-Huston is just now getting started, we are requesting an extension until November 1, 1987, for the filing of our report. Should further information be required, I may be contacted at area code 512, 896-2020, extension 197.

Sincerely yours,

WALTER B. CONNER
Chief, Engineering Service

TEXAS WATER COMMISSION

Paul Hopkins, Chairman
John O. Houchins, Commissioner
B. J. Wynne, III, Commissioner



C. Martin Wilson III, General Counsel
James K. Rourke, Jr., Chief Examiner
Mary Ann Hefner, Chief Clerk

Larry R. Soward, Executive Director
September 9, 1987

CERTIFIED MAIL

Mr. Walter Conner
V. A. Medical Center
3600 Memorial Blvd.
Kerrville, Texas 78028

Re: Subsurface Release of Diesel Fuel at the V.A. Medical Center,
3600 Memorial Blvd., Kerrville (Kerr County), Texas
(LUST ID No. 91403)

Dear Mr. Conner:

Reference is made to your telephone conversation on August 21, 1987 with Mr. Patrick Finn of my staff. You indicated that an underground storage tank which is buried in a concrete vault at the above-referenced facility is leaking and that several cracks in the vault are allowing the escaped product to enter the subsurface. You are advised that any immediate measures necessary to prevent the migration of free product must be immediately implemented upon receipt of this letter if such action has not already been pursued. Pursuant to Section 26.266 of the Texas Water Code, you are directed to prepare a detailed report for submittal to this Office which includes the following information.

- 1) A description of the referenced leak incident and of all actions taken to abate the release of diesel fuel from underground storage tanks or associated piping.
- 2) An estimate of the total volume of product lost and a description of the basis upon which this estimate is made.
- 3) A definitive assessment of both the degree and the vertical and horizontal extent of subsurface contamination and the procedures utilized to perform the assessment. Please be advised that the term "subsurface contamination" includes not only the presence of free product, but also any dissolved-product contamination of ground water and residual contamination of soils.
- 4) A description of all remedial activities pursued or completed to date which address contamination both on and off site including an account of the disposition of contaminated soils and water, recovered product, or any other associated wastes. All contaminated soil and water treatment and/or disposal must be approved by this Office. Any vapor emissions must be controlled and monitored in order to protect human health and safety.
- 5) A description of the affected soils and general information regarding the occurrence, availability, and quality of ground water in the area. If any ground water is threatened or has already been impacted, then the report must provide an in-depth hydrogeological profile including a water-table gradient map and a water well inventory which locates on a map all wells within a one-half mile radius of the site and which provides all available information pertaining to each well.

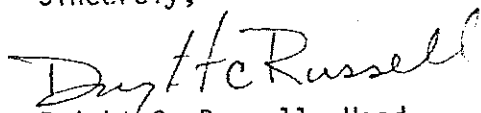
Mr. Walter Conner
Page 2
September 9, 1987

- 6) A site map drawn to scale indicating the location of the source of the releases, the entire underground storage tank system, all buried utilities, and any nearby structures and roads. The map should also indicate the location of any excavated areas and the collection points for all soil and water samples.
- 7) The results of all sample analyses and a description of all representative sampling and analytical procedures utilized. Only EPA-approved methods will be accepted for sample collection procedures and verification analyses.
- 8) A U.S.G.S. topographic map of the area depicting the specific location of the facility.
- 9) A proposal for the completion of site decontamination and remediation.

You are encouraged to secure the services of a qualified environmental consultant knowledgeable in hydrogeology to assist you in your preparation of this report. Your response must be submitted to this Office within thirty (30) days of the date of this letter. Provided that all of the above information cannot be obtained and reported within this timeframe, then your written response must include a schedule for the expeditious submittal of this information. Copies of all correspondence with this Office must be provided to our District 8 Field Office in San Antonio (Attn: Ms. Vickie Schwab).

Should you have any questions, please contact Mr. Finn at 512/463-8217. Your cooperation in this matter will be appreciated.

Sincerely,



Dwight C. Russell, Head
Underground Storage Tank Unit
Ground Water Conservation Section

PF:hw

cc: TWC District 8 Field Office - Ms. Vickie Schwab
(321 Center Street, Suite 1103, San Antonio, Texas 78202-2785)

TELEPHONE MEMO TO THE FILE

(Please complete with typewriter or black pen)

Call To: Joe West → works w/ Walter Conner
 Date of Call: 7-29-87
 Phone No.: (512) 896-2020

Call From: _____
 File No.: _____
 Subject: _____

Information for File:

- (2) 21,000 gal tanks Diesel (#2 fuel oil)
- Tanks are buried in concrete vault
- Have recovered ~4000 gal from vault so far
- Are going to get a backhoe, dig around the vault & check for cont.
- " " " probably remove the tanks also
- Will notify us if any cont. is found

*TWC Telecom of James West 8-13-87

- Will excavate next Mon & Tues. They will report whether or not any cont. is found.

*TWC Telecom of Walter Conner 8-21-87

2 small leaks

1 (70 gal leak)

- They still have product in vault. I told them to remove it ASAP. He said that very little product is escaping now but I told him that even small leaks can cause quite a bit of contamination. They are going to hire consultant to do site assessment & I said I would be sending NOV letter.

Signed: Pat Finn

91403

TEXAS WATER COMMISSION

OIL OR HAZARDOUS MATERIAL ACCIDENTAL DISCHARGE OR SPILL REPORT

Interim report
Final report _____
Data coded _____

INCIDENT NUMBER

Year Month Day Sequence Material
[] [] [] [] []
4 6 8 10 13

1. Discharge or Spill:

Date Military Time
18 MO DA YR 23 25 HR MN 28

2. TWC Notification:

Date Military Time
30 MO DA YR 35 36 HR MN 39 (01)

Reported By WALTER CONNER

District/Austin (00)

Representing VIA. MEDICAL CENTER

Name J. JAMESON

3. Material Spilled: #2 FUEL OIL

Code [] [] [] [] [] []
44 49

4. Amount Spilled:
51 60

(Check one) bbl gal yd³ lbs (64)

5. Classification: (Check one) Oil - Major Medium Minor

Hazardous Material - Major Minor Other Pollutant (66)

6. Location: KERRVILLE V.A. MEDICAL CENTER 3600 MEMORIAL BLVD 78028

County KERR
68 70

TWC District
72 73

7. Receiving Water:
75 104

Basin Name _____ Segment No. [] [] [] []
106 109

Amount in Water (Check one) bbl gal yd³ lbs (123)
111 119

8. Party Responsible for Spill:

Permit or Registration No. []
18 30 (02)

Firm or Municipality V.A. MEDICAL CENTER
32 61

Street or P.O. Box 3600 MEMORIAL BLVD
63 92

City/State KERRVILLE
94 123

Zipcode 78028 Phone 512-896-2020
18 26 28 39 (03)

CENTRAL RECORDS



16959

9
1
4
0
3

1987-
1-861



ESPEY,
HUSTON &
ASSOCIATES, INC.
Engineering & Environmental Consultants

RECTWC
10-30-87

Document No. 870917
EH&A Job No. 10731

ENVIRONMENTAL ASSESSMENT OF FUEL LEAKS
LIQUID UNDERGROUND STORAGE TANK
ID NO. 91403
VETERANS ADMINISTRATION MEDICAL CENTER
KERRVILLE, TEXAS

10-30-87

Prepared for:
Veterans Administration Medical Center
3600 Memorial Blvd.
Kerrville, Texas 78028

Prepared by:
Espey, Huston & Associates, Inc.
P.O. Box 519
Austin, Texas 78767

October 1987

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1.0 INTRODUCTION

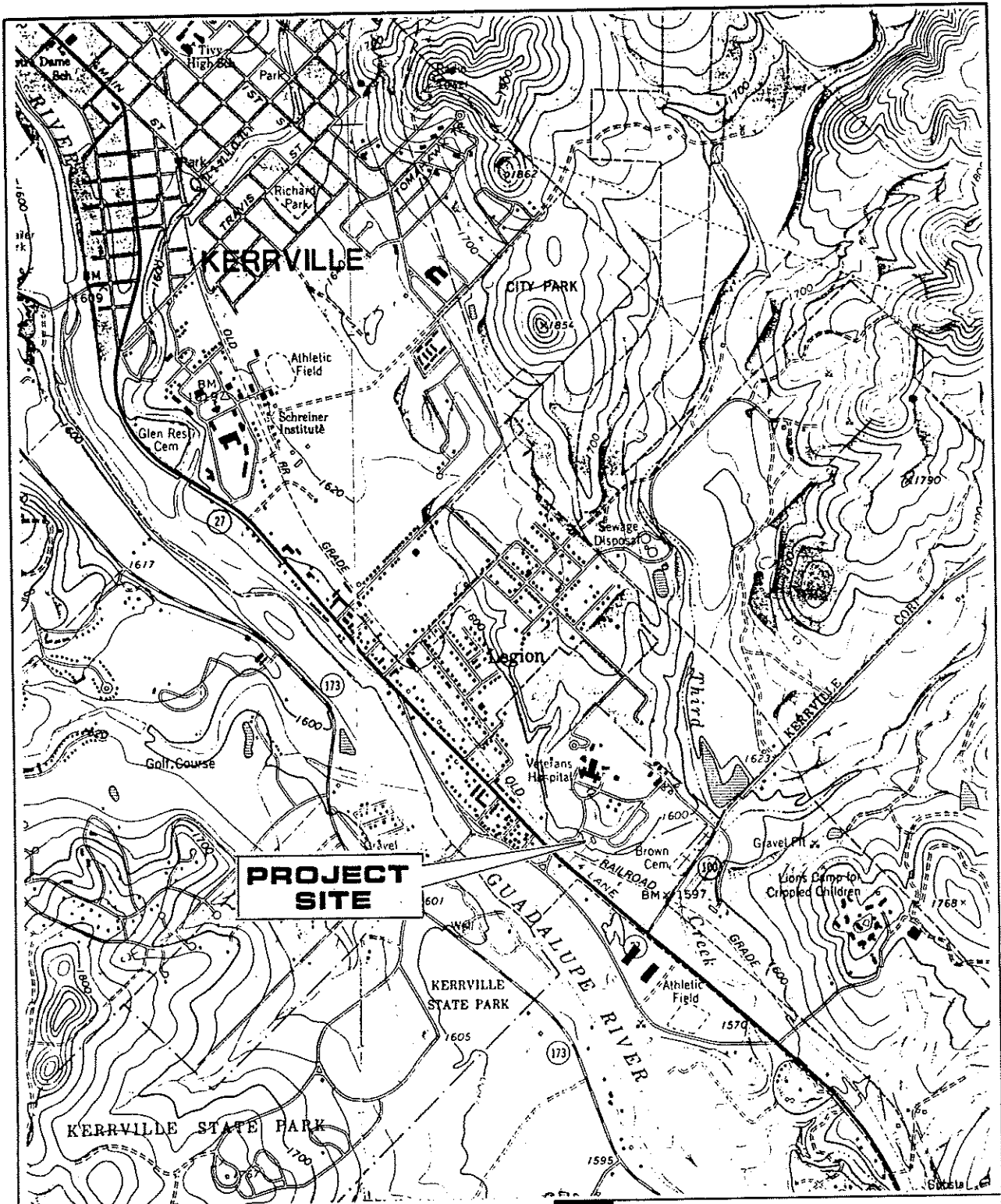
This report presents the results of an environmental audit conducted by Espey, Huston & Associates, Inc. (EH&A) at the Veterans Administration Medical Center (VA) in Kerrville, Texas (Figures 1-1 and 1-2). This investigation was conducted in response to reported fuel leaks from underground storage tank (UST) No. 91403.

The UST facility consists of two 21,000 gallon steel storage tanks enclosed in a concrete vault. Access into the concrete vault is provided by a metal door and stairway. The UST was formerly used as a reserve fuel storage facility, which was being decommissioned when the fuel leaks were discovered. Apparently during refilling of the tanks (one or several events), product was allowed to overflow into the concrete vault. The product was for the most part contained within the vault. Some product, however, may have seeped through the sides of the vault into the surrounding soils.

Several trenches were then dug around the outside of the vault in an attempt to determine if fuel had migrated through the concrete. Once visible contamination was observed in the subsurface soils outside the vault, VA personnel reported the leaks to the Texas Water Commission (TWC).

After excavation, the trench located west of the UST became partially filled with water. The water was then pumped by VA personnel into a trailer-mounted steel storage tank and left on-site for future disposal. Excavated soils were also left on-site.

The scope of the investigation conducted by EH&A was designed to determine the lateral and vertical extent of soil contamination; to determine the potential for and presence of contamination in the shallow-most water bearing zone; and to develop a plan for decommissioning and closing the UST facility.

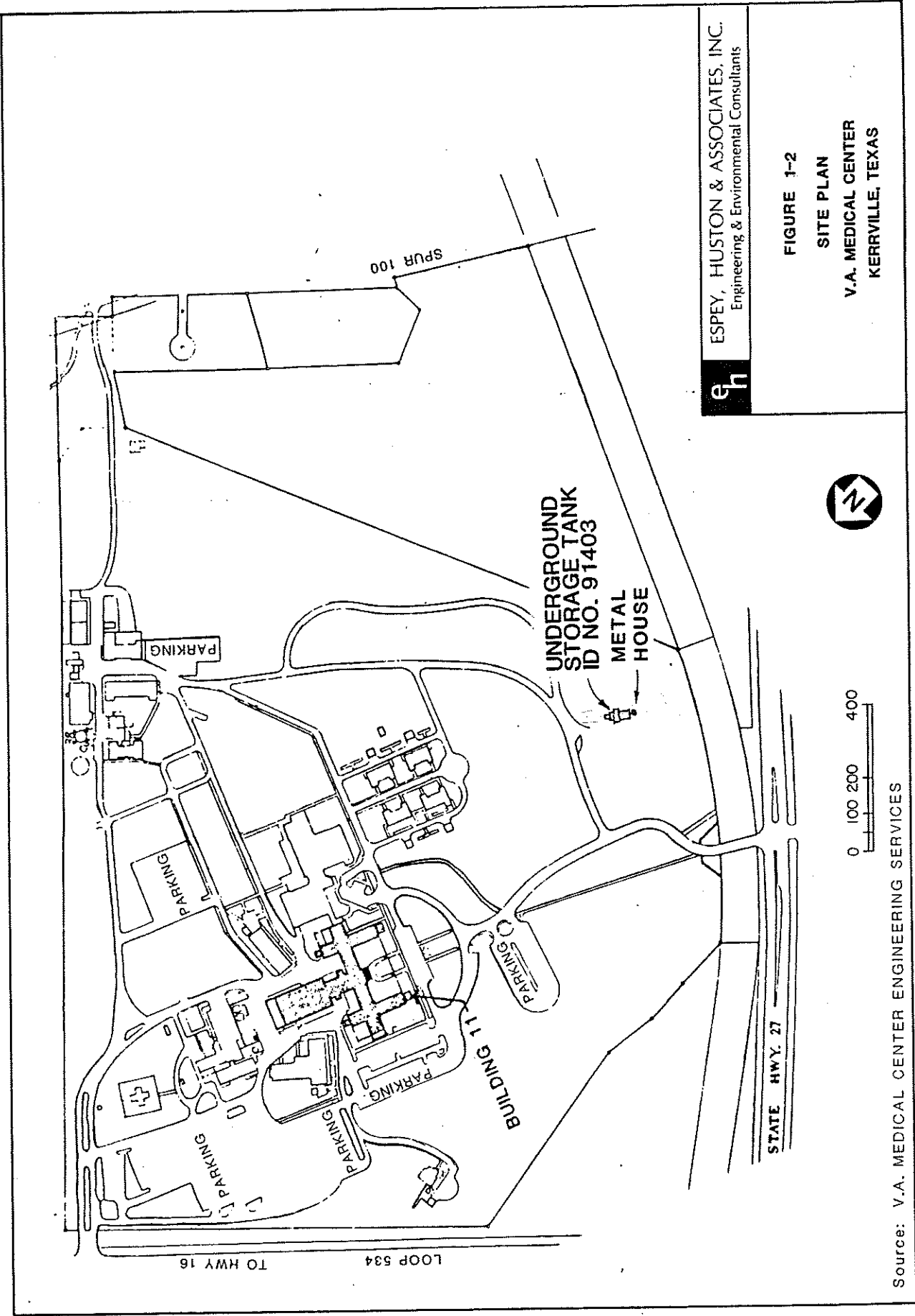


Source: USGS 7.5' QUADS, LEGION and KERRVILLE, TEXAS 1982.



eh ESPEY, HUSTON & ASSOCIATES, INC.
Engineering & Environmental Consultants

FIGURE 1-1
LOCATION MAP
V. A. MEDICAL CENTER
KERRVILLE, TEXAS



eh
ESPEY, HUSTON & ASSOCIATES, INC.
Engineering & Environmental Consultants

FIGURE 1-2
SITE PLAN
V.A. MEDICAL CENTER
KERRVILLE, TEXAS

Source: V.A. MEDICAL CENTER ENGINEERING SERVICES

2.0 REGIONAL HYDROGEOLOGIC FRAMEWORK

2.1 GEOLOGY

The city of Kerrville is located within the Edwards Plateau province of Texas, a generally flat-lying elevated tableland formed on resistant limestone and dolomite rock strata of the Fort Terrett Formation of the Edwards Group (Rose, 1972). Along its southeastern margin, the Plateau has been highly dissected by small rivers and tributaries that are deeply incised into the Plateau's surface, creating a rugged terrain commonly referred to as the "hill country". In the vicinity of Kerrville, the upper surface of the Edwards Plateau is at elevations of about 2,000 feet msl or higher, and the Guadalupe River has cut more than 400 feet into the Plateau.

The base of the Fort Terrett Formation at Kerrville occurs at an elevation of about 1,840 feet msl. Hence, the river valley is eroded more than 200 feet into the underlying limestone strata of the Glen Rose Formation. Unconsolidated alluvial sediments are present as terrace deposits overlying the eroded Glen Rose Formation throughout the floor of the Guadalupe River valley. The U.S. Veterans Administration Hospital and the site investigated are situated on the alluvial terrace deposits.

The Fort Terrett Formation is the basal unit of the Cretaceous aged Edwards Group. It consists of interbedded marls, limestones, dolomites, and gypsum layers. Although the Fort Terrett is not of particular concern to the project objectives, it is an important water-bearing unit in the region, and its position with respect to the other stratigraphic units is worth noting. The Fort Terrett has a maximum thickness of about 230 feet in the Kerrville vicinity (Rose, 1972).

The terrace deposits that occupy the Guadalupe River Valley are of Quaternary age. They are composed of unconsolidated gravels, sands, silts, and clays that were unconformably deposited over the eroded bedrock surface of the Glen Rose Formation (Barnes, 1981). Thickness of the alluvial sediments is variable and probably between 10 and 40 feet (Reeves, 1969).

The Glen Rose Formation is of Cretaceous age and has a total thickness of roughly 560 feet in the Kerrville vicinity. Beneath the river valley its thickness is probably between 320 and 360 feet. On the basis of differing lithologic and hydrologic characteristics, the Glen Rose is often divided into upper and lower members. The lower Glen Rose is a relatively massive, fossiliferous limestone at its base and grades upward into thin beds of limestone, dolomite, marl, and shale (Ashworth, 1983). The lower Glen Rose is estimated to be about 200 feet thick at Kerrville, and its upper surface is at an elevation of about 1,470 feet msl. The upper Glen Rose consists of alternating resistant and nonresistant beds of shale, nodular marl, and impure, fossiliferous limestone. Its thickness is approximately 125 to 165 feet in the Guadalupe River valley and up to 365 feet beneath the adjacent uplands of the Edwards Plateau.

Other stratigraphic units of general interest underlie the Glen Rose Formation and include, in descending order, the Hensell Sand Formation, the Cow Creek Limestone Formation, the Pine Island Shale Formation, and the Hosston Sand Formation. All of these units, excepting the Pine Island, are used as sources of ground-water supply in Kerrville and the surrounding region.

The Cretaceous bedrock strata in the southeastern Edwards Plateau are essentially flat-lying and unfaulted. In the vicinity of Kerrville, the Fort Terrett and upper Glen Rose formations dip in a south-southeasterly direction at a rate of approximately 10 feet per mile. Some 30 miles south and southeast of Kerrville the Balcones fault zone marks an arcuate band of extensive faulting and fracturing of the Glen Rose and Edwards units.

2.2 GROUND-WATER RESOURCES

Ground water suitable for municipal, domestic, livestock, and irrigation uses is obtained from the Hosston, Cow Creek, Hensell, and lower Glen Rose formations in the Kerrville vicinity (Ashworth, 1983). Few wells are reported to be completed in the upper Glen Rose because of poor water quality and yields relative to the other units. Regionally, the Fort Terrett is also an important aquifer in the Edwards Plateau, but at Kerrville its saturated thickness and available yields are limited. Reeve (1969) reported that the Quarternary alluvial sediments are not an important water-bearing unit in Kerr County, but that the deposits yield small to moderate amounts of fresh water to a few domestic and livestock wells.

Ground water in the Hosston, Hensell, and Cow Creek formations is derived principally from infiltration of precipitation on the outcrops of these units north of Kerr County. The Glen Rose and alluvial sediments are recharged by precipitation and streamflow on their outcrops. Regionally, ground water in the Cretaceous bedrock aquifers is to the southeast; parallel to the stratigraphic dip of the units. Natural ground-water discharge occurs as springs and seeps along the outcrops of the Edwards and Glen Rose Formations.

3.0 SITE INVESTIGATION

3.1 SITE RECONNAISSANCE

A reconnaissance of the UST facility was undertaken to make visible observations regarding surficial conditions and visible contaminants. Topography in the vicinity of the UST was observed and estimations of ground-water flow directions were made. The cross-sectional area of each visible spill outside the concrete vault was determined and the depth to each spill was recorded. Results of the reconnaissance are presented in Section 4.3.

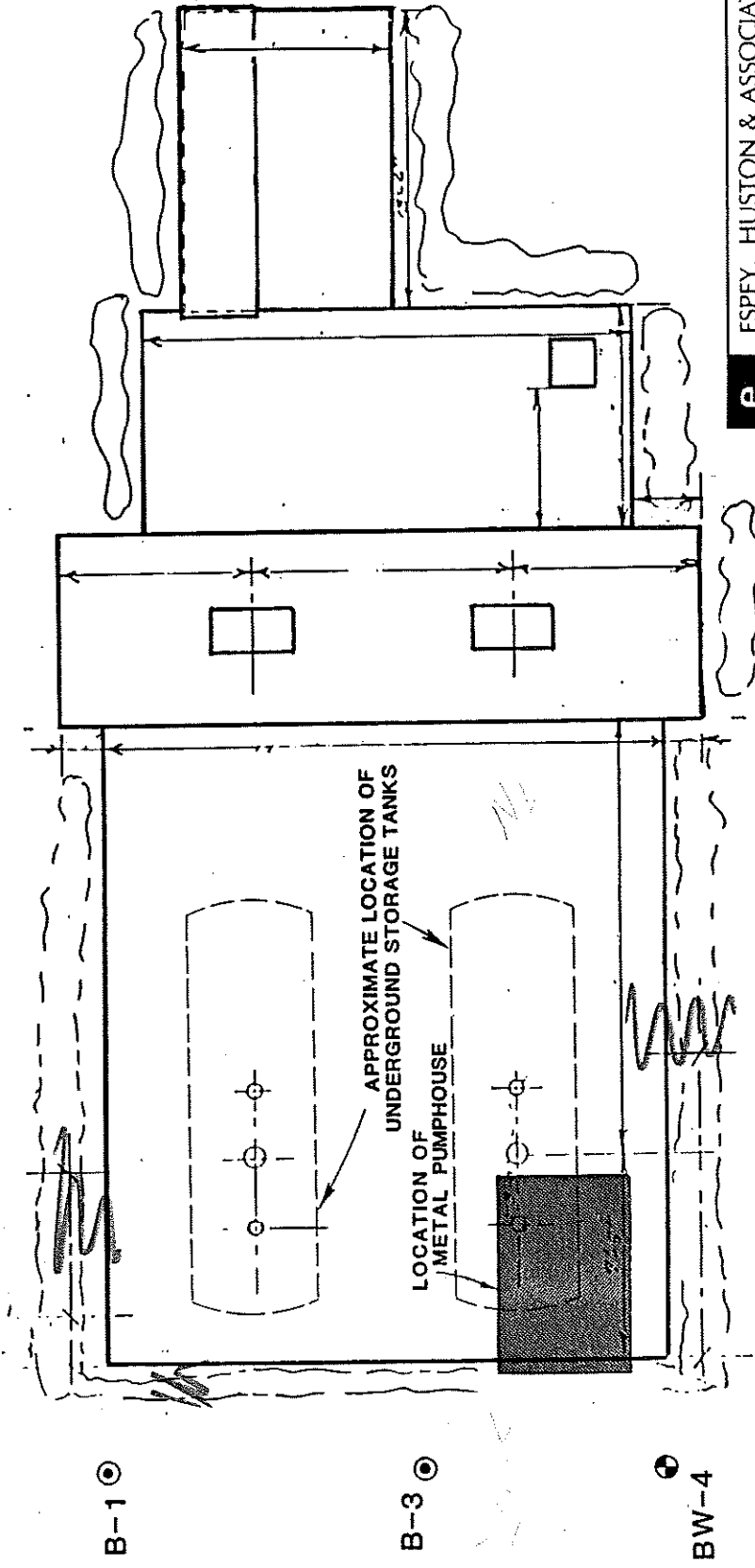
3.2 BORINGS

Five exploratory boreholes were drilled in close proximity to the visible spills in order to collect soil samples for laboratory analysis. Locations of the borings are shown in Figure 3-1. Borings were located as close to or down-gradient of the visible spills in the trenches as safety considerations would allow. Borehole depths varied between approximately 21.5 to 50 feet. A description of the lithologic conditions found in each boring is presented in the boring logs which can be found in Appendix 1.

The borings were completed by using continuous flight, hollow-stem auger drilling techniques and standard geotechnical sampling methods. Drilling was performed with a CME Model 75, truck mounted, hydraulic drilling rig owned and operated by Professional Service Industries, Inc. (PSI) of Austin, Texas. An EH&A hydrogeologist supervised drilling operations, prepared boring logs for each hole, and prepared soil samples for transport to the analytical laboratory for further testing. One of the borings was utilized as monitoring well borehole, and the other four were plugged with a Portland cement/bentonite grout. The static water level was measured following completion of the borings.

Source: V.A. MEDICAL CENTER ENGINEERING SERVICES

B-5



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FIGURE 3-1

BORING AND MONITOR WELL LOCATIONS
V.A. MEDICAL CENTER
KERRVILLE, TEXAS

B-2

20 FEET

Guadalupe River

3.3 MONITOR WELL INSTALLATION

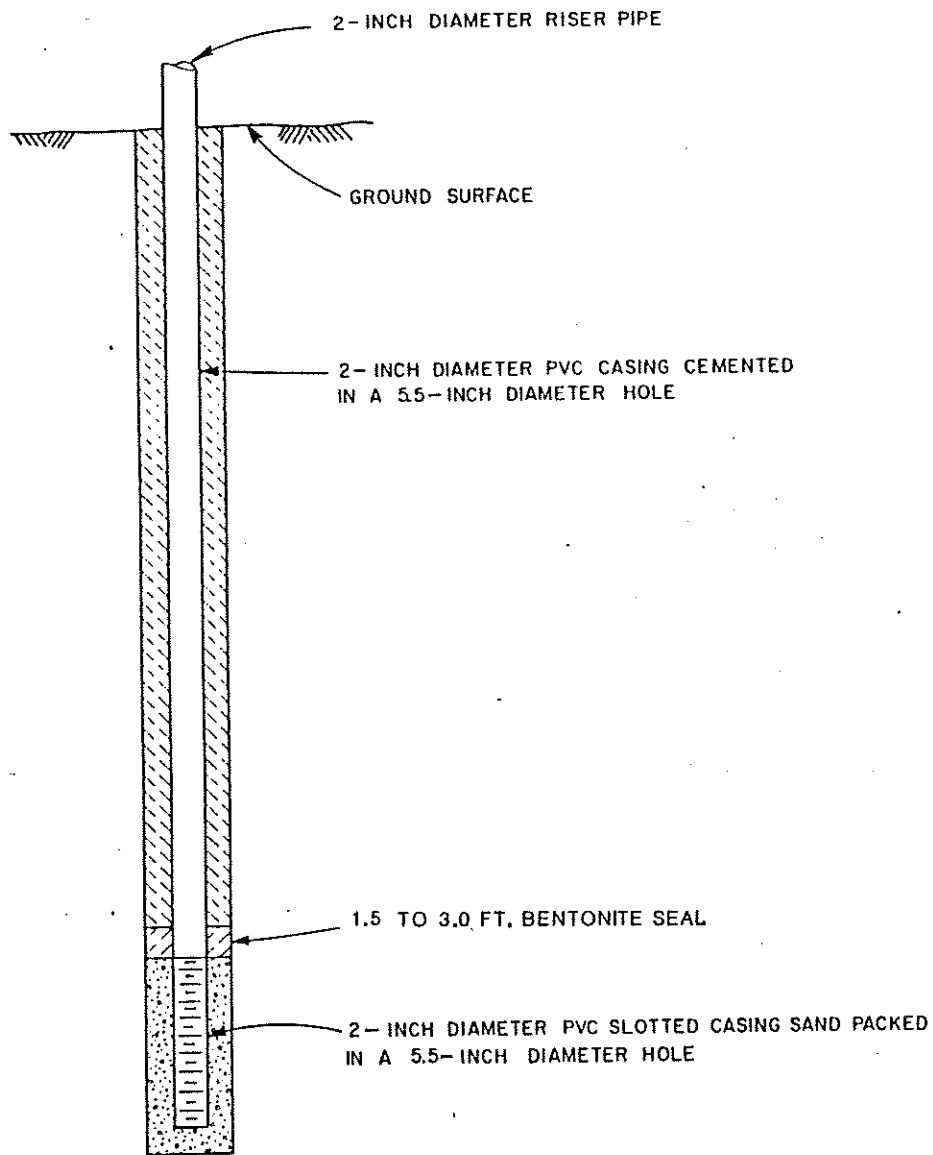
A monitor well was installed in one of the above described boreholes. The well was used for measurement of depth to ground water and for collection of ground water for laboratory analysis (Figure 3-1).

Monitor well BW-4 is constructed of two-inch diameter, flush-joint threaded, Schedule 40 PVC casing and 0.010 inch slotted screen. Casing and screen materials were assembled and set at the desired depth within the hollow stem auger. The top of the screened interval was placed two feet above the depth where ground water was first encountered. A filter pack of clean, 10/20 sieve, sand was placed in the annular space surrounding the well screen to a depth of one foot above the top of the screen. Pelletized bentonite was then placed above the filter pack to create an impermeable seal and hydraulically isolate the screened interval. A slurry of Portland cement and powdered bentonite was then pumped into the remaining annular space. A metal, locking well protector was cemented around the riser pipe. A typical monitor well schematic is illustrated in Figure 3-2.





The monitor well was developed over a period of three hours using air-surge methods. Ground-water produced during development was placed in a trailer-mounted steel tank located in close proximity to the underground storage tanks (UST).

3.4 SAMPLE COLLECTION TECHNIQUES

Standard geotechnical sampling methods were used to obtain discrete lithologic samples during drilling operations. Soil samples were retrieved by using a 2-inch split-spoon sampler. The split-spoon sampler was advanced by repeatedly dropping a 140 pound hammer 30 inches, following ASTM Procedure D 1386-67. The driving resistance of the sampler, expressed as blow counts necessary to advance the



LEGEND

-  CEMENT GROUT
-  BENTONITE SEAL
-  GRAVEL PACK
-  WELL SCREEN



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FIGURE 3-2
TYPICAL MONITORING WELL
COMPLETION DIAGRAM
V.A. MEDICAL CENTER
KERVILLE, TEXAS

split-spoon 12 inches or fraction thereof, is illustrated on the boring logs (Appendix A). The sampler was rinsed with clean water before and after each discrete sample was obtained.

not good enough De-con if actual cont. had been encountered.

The sample length was recorded and then placed into a clean plastic container. The sample was blended with a stainless steel spoon and placed into a sterile glass jar with a teflon-lined lid for transport to EH&A's office in Austin, Texas. The plastic container and stainless steel spoon were washed with clean water before and after each discrete sample was prepared. Sample jars were labeled with a field identification number which was recorded in a field handbook.

Composites of the discrete borehole samples were made prior to transport to the analytical laboratory. These composite specimens were placed in sterile glass jars with teflon-lined lids, numbered, and pertinent information was recorded on a chain-of-custody form.

Ground water within the monitor well was sampled on 30 September, 1987 for laboratory analysis. After developing the well, three casing volumes of water were purged from the well. Two ground-water samples were then collected using a 1.5-inch diameter teflon bailer equipped with cotton rope. The bailer was washed in a solution of non-phosphate detergent and then triple-rinsed with deionized water prior to the sampling. ^{good!!} Field water quality parameters (temperature, pH, and specific conductance) were also measured on an additional sample from BW-4. Equipment utilized during field measurements were: (1) a standard centigrade thermometer, (2) a Corning 3D pH meter, and (3) a YSI model 33 conductivity meter.

Two samples were also collected from the trailer-mounted steel storage tank for analysis of ignitability. The trailer tank contains approximately 200 gallons of fluid based on measurements of the tank size.

4.0 RESULTS OF SITE INVESTIGATION

4.1 SITE-SPECIFIC GEOLOGY

The subsurface lithologic conditions in the vicinity of the UST were determined by visible examination of samples from the borings and from examination of the trench side-walls. A description of the lithologies found in each boring are presented in Appendix 1.

The surficial soils in the vicinity of the UST are generally composed of 1 to 2 feet of dark-brown to black, very stiff clays, silts, and gravels, with scattered calcareous nodules.

Immediately underlying the surficial soils is a unit composed of very stiff, reddish-brown, plastic, calcareous clay. The contact between the topsoil and the bedded, stiff plastic clay is generally an abrupt one. The stiff, reddish-brown, clay unit ranges in thickness from 12.1 feet in B-3 to 15.0 feet in B-5. The reddish-brown clay is relatively homogeneous with the exception of varying amounts of scattered limestone nodules, chert, and miscellaneous pea-size gravels (less than 1 inch).

A layer of unconsolidated, tan to light gray, soft to stiff, plastic, clay underlies the very stiff, reddish-brown clay. The contact between the two clay units is somewhat transitional and is approximately 6 to 12 inches thick. Seams of iron-stained, platy clay, and calcareous nodules (<1 inch) occur intermittently throughout the tan to light gray, clay unit. Penetration of the entire unit only occurred in borings B-1 and BW-4. The thickness of the tan to light gray, clay unit ranges from 15.2 feet in B-1 to 17.3 feet in BW-4.

Underlying the tan to light gray clay unit is a zone of buff to yellowish-gray caliche and buff-colored, plastic clay. The contact between the caliche zone and the overlying tan to light gray clay is abrupt, with little or no transition zone between the two lithologies. The caliche unit thickness varies from 4.3 feet in BW-4 to 10.0 feet in B-1.

The caliche unit is underlain by a buff to tan colored, poorly sorted, saturated sandy gravel. The grain size of this interval increases with depth. The subrounded to rounded sandy gravel unit is composed of quartz, chert, limestone, and miscellaneous rock type sands and gravels. The contact between the overlying limestone-clay unit and sandy gravel zone is an abrupt non-transitional one. Thickness of the sandy gravel bed ranges from 5.1 feet in B-1 to 11.2 feet in BW-4. A tight, reddish-brown, very fine- to fine-grained, clayey sand approximately 2.4 feet thick is present in the upper portion of the sandy gravel unit. Immediately underlying the sandy gravel bed is a gray, brittle, fine-grained, shaly limestone; the limestone is interpreted to be the upper Glen Rose Formation.

4.2 SITE-SPECIFIC HYDROLOGY

The shallow ground-water system underlying the site exists under water-table conditions. The water levels observed in monitor well BW-4 and boring B-1 remained at approximately the same level where free water was first encountered during drilling of the boreholes. Ground-water movement in water-table aquifers generally occurs parallel to subparallel of topographic gradients. Flow directions are typically from areas of higher topographic elevations toward areas of lower topographic elevations, such as river, stream, and drainage valleys, where discharge may occur. Shallow ground-water movement in the vicinity of the study area is believed to flow toward the Guadalupe River due to its close proximity and lower elevation with respect to the site.

The only shallow water-bearing unit found during the field investigation was the unconsolidated, buff to tan, sandy gravel present from 38 to 49 feet below ground surface (Section 4.1 and Appendix A). The underlying limestone apparently acts as the lower confining layer as it appears to be too impermeable to allow significant vertical movement of ground water. The depth to ground water encountered in B-1 and BW-4 during the site investigation are remarkably similar at 39.55 and 39.58 feet below ground surface, respectively.

The buff to tan, sandy gravel is somewhat hydrologically isolated from the overlying clayey lithologic units. The dense, stiff clay beds overlying the sandy gravel aquifer appear to be sufficiently impermeable to prevent downward migration of ground water and contaminants. Evidence to support the low permeability of the clay units is illustrated by the apparent lack of lateral or vertical migration of hydrocarbons.

Parameters of temperature, pH, and specific conductance were measured in the field at the time of sample collection. The pH value is the negative logarithm of the hydrogen ion concentration within the solution. A pH value of 7.15 was obtained for BW-4 indicating the water is essentially neutral. Specific conductance is simply defined as the ability of a sample to conduct electricity, which is related to the ionic content of the material, and is a general indicator of water quality. It may also be related to total dissolved solids (TDS) by a factor which usually ranges from 0.5 to 0.75 times the specific conductivity value. A specific conductance value of 1,120 micro-mhos/cm for the BW-4 ground-water sample was measured. A corresponding range of TDS values can thus be calculated from 560 to 840 milligrams per liter, which is within acceptable public water supply drinking water standards. The temperature of the ground-water sample was 22.5°C.

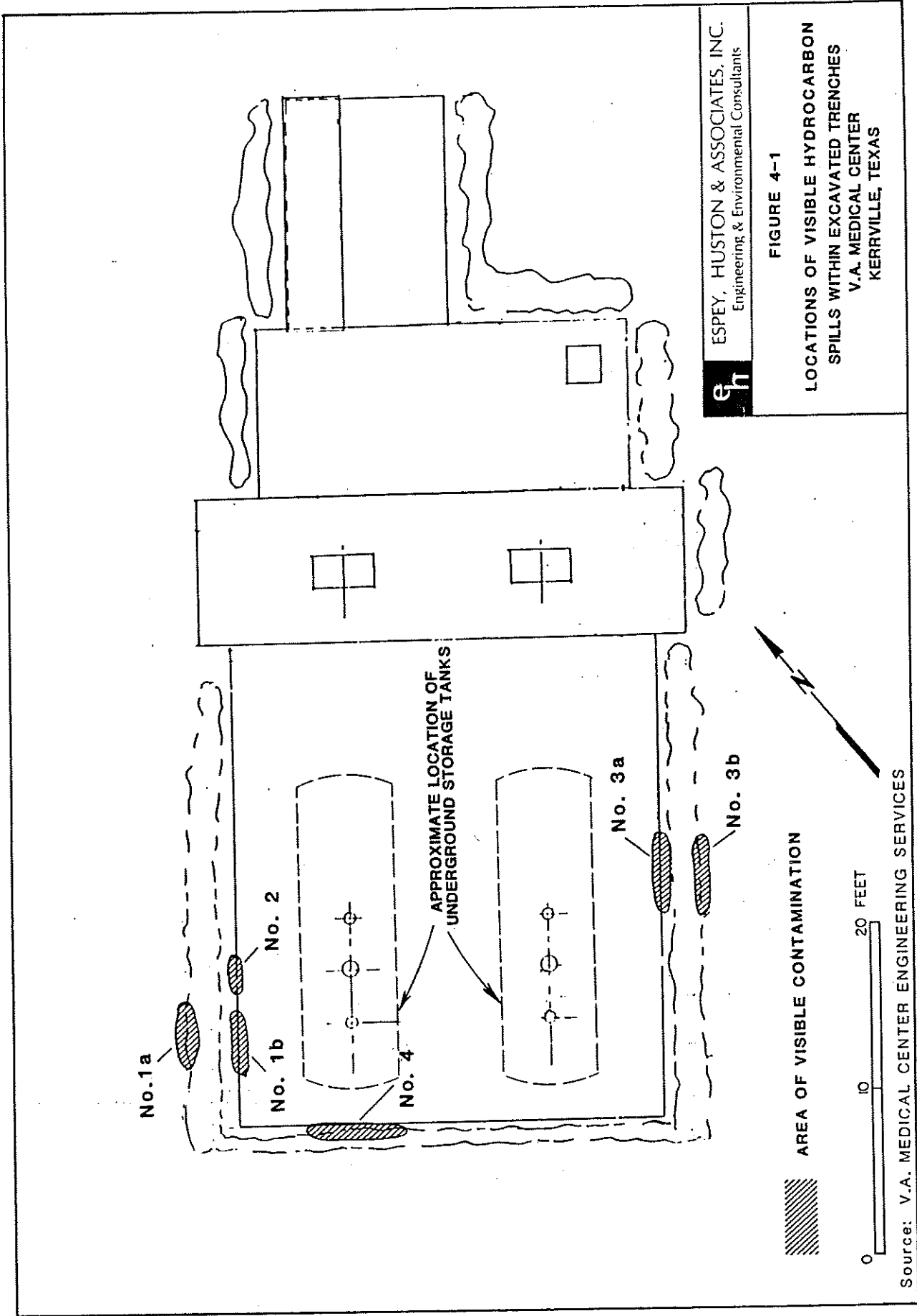
4.3 CONTAMINANT IDENTIFICATION

During the site reconnaissance, EH&A personnel measured the extent of the visible contaminants in the excavated trenches. The locations of the spills in

relationship to the trenches and the UST is shown in Figure 4-1. The dimensions of the visibly contaminated soil and the cross-sectional area is presented in Table 4-1. As shown in Figure 4-1 and Table 4-1, the areal extent of the soil contamination is relatively small. Only in areas No. 1A and No. 3b did leaks migrate laterally farther than the width of the trench (approximately 2 feet). The vertical extent of the visible contamination is also relatively small, as the thickest accumulation observed was 2.1 feet at location No. 3a. In all instances, the visible contaminants did not exceed the depth to the bottom of the trenches.

Composite soil samples from each boring were analyzed for the presence and concentrations of hydrocarbons as diesel (HD) and, oil and grease (O&G). A modified EPA test method 8020 was used for the hydrocarbons as diesel analysis and test method 413.1 was used for the O&G test. The results of the soil analyses are presented in Table 4-2, which indicates that no soil sample contained contaminants at concentrations greater than the given detection limit (<10 ppm).

A water sample obtained from monitor well BW-4 was also analyzed for HD and O&G. The results of the analysis is presented in Table 4-2, which indicates that the water sample does not contain contaminants above the method detection limit. Since the well is located topographically down-gradient from the UST, it is assumed that the well contains ground water which has flowed underneath the UST facility. If contaminants had migrated vertically through the overburden into the ground-water system, then samples from well BW-4 should have contained contaminants. Two samples were also collected from the steel trailer tank for analysis of ignitability. A sample of the floating phase of contamination was removed from the top of the tank contents and a sample of the dissolved phase was also removed. The results of the ignitability test is presented in Table 4-2. The two samples both have flash-points less than 140^oF which suggests the contents of the tank is hazardous under regulations set forth in 40 CFR Part 261.24 (Revised July 1986), and must be disposed of as such.



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FIGURE 4-1
LOCATIONS OF VISIBLE HYDROCARBON
SPILLS WITHIN EXCAVATED TRENCHES
V.A. MEDICAL CENTER
KERRVILLE, TEXAS

Source: V.A. MEDICAL CENTER ENGINEERING SERVICES

TABLE 4-1

DIMENSIONS OF VISIBLE HYDROCARBON SPILLS IN TRENCHES
 UST ID NO. 91403, VETERANS ADMINISTRATION MEDICAL CENTER
 KERRVILLE, TEXAS

Location No.	Trenchwall	Horizontal Dimension (ft)	Vertical Dimension (ft)	Cross-Sectional Area (ft ²)	Depth Below Ground Surface (ft)
1a	West	3.92	1.17	4.59	+8.42
1b	East	3.75	1.00	3.75	+8.33
2	East	1.50	1.33	1.99	+6.42
3a	West	4.66	2.10	9.79	+5.66
3b	East	4.75	2.00	9.50	+5.75
4	North	6.08	1.83	11.13	+6.92

TABLE 4-2

SOIL, GROUND WATER, AND TRAILER TANK WATER ANALYSES
 VETERANS ADMINISTRATION MEDICAL CENTER
 KERRVILLE, TEXAS

Monitor Well	Sample Interval	Hydrocarbons as Diesel	Oil and Grease	Flashpoint
<u>SOIL ANALYSES</u>				
B-1	0-11.5'	<20 mg/kg	<10 mg/kg	—
B-1	20'-31.5'	<20 mg/kg	<10 mg/kg	—
B-1	40'-46.5'	<20 mg/kg	<10 mg/kg	—
B-2	0-11.5'	<20 mg/kg	<10 mg/kg	—
B-2	15'-21.5'	<20 mg/kg	<10 mg/kg	—
B-3	0-11.5'	<20 mg/kg	<10 mg/kg	—
B-3	15'-21.5'	<20 mg/kg	<10 mg/kg	—
BW-4	0-16.5'	<20 mg/kg	<10 mg/kg	—
BW-4	20'-36.5'	<20 mg/kg	<10 mg/kg	—
B-5	0-21.5	<20 mg/kg	<10 mg/kg	—
<u>WATER ANALYSES</u>				
BW-4	—	<10 mg/l	<10 mg/l	—
Trailer Tank	Upper phase	—	—	126 ^o F
Trailer Tank	Dissolved phase	—	—	87 ^o F

Due to the nature of the leaks from the UST, the actual volume cannot be determined. Based on the volume of fluid removed from the trench, the extent of visible contamination, and the lack of contaminants in the soils and ground water, it is estimated that the total volume of the leaks is less than 300 gallons. As stated in Section 3.4 approximately 200 gallons of fluid were removed from the trench to the west of the UST. No other trench contained any free liquid product.

The lateral extent of the leaks is also relatively small, and in some cases, contaminants traveled less than the width of the trench. Penetration through the trench area has occurred in two locations, however based on the results of the soil analyses from borings adjacent to the trenches, the lateral migration distance from the UST is relatively limited (less than 5 feet).

The extent of vertical migration is again relatively small. As previously mentioned, the greatest thickness of visible contamination is approximately 2.1 feet. This is probably the result of the very clayey nature of the shallow lithologic units and the horizontal bedding characteristics. Analytical results of the soil samples from depth and the ground-water sample both suggest that vertical migration (if any) is rather limited and that the potential for contaminants to enter the ground-water system is very small.

5.0 RECOMMENDATION FOR UST CLOSURE

Based on the limited extent of the leaks from the UST facility and the low potential for contaminants to enter the shallow ground-water system, EH&A has developed these recommendations, to be approved by TWC, for closure of the UST. Prior to development of these recommendations, EH&A contacted Mr. Pat Finn of TWC who indicated that the conceptual basis of the following recommendations for closure was acceptable:

1. Remove standing liquid product from both steel storage tanks and from inside of the vault. To reduce disposal costs, free product should be recycled where possible. Other removed liquid should be tested for ignitability and disposed of accordingly.
2. Patch holes in vault with grout where seepage has occurred. Grout patches should be placed both on the inside and outside walls.
3. Remove visibly contaminated soils from outside of vault and place these soils inside the vault.
4. Fill steel storage tanks with clean inert back-fill. Fine-grained sand is recommended. Fill concrete vault with clean, inert back-fill also. Back-fill should be as compacted as possible.
5. Trenches should be filled with clean, inert material and should be roller compacted. Clay is recommended to prevent downward seepage of runoff into trench areas.
6. All openings in top of vault should then be sealed with concrete grout.

7. Six months after decommissioning the vault, the monitor well should be sampled and analyzed for HD and O&G. Sampling should be performed by a qualified environmental engineering firm to ensure sampling protocol is consistent with EPA-recommended procedures. Methods used for analysis should conform to EPA-approved test methodologies.
8. If the six-month sample is free of contamination, then one more sample should be collected at approximately three years after closure. This should allow for detection of contaminants that may have seeped vertically underneath the vault.
9. If three-year sample is free of contaminants, further sampling will be at the discretion of VA personnel.

6.0

REFERENCES

- Ashworth, J.B. 1983. Ground-water Availability of the Lower Cretaceous Formations in the Hill Country of South-central Texas. Texas Department of Water Resources, Report No. 273.
- Barnes, V.E. 1981. Geologic Atlas of Texas-Llano Sheet. Bureau of Economic Geology, The University of Texas at Austin.
- Reeves, R.D. 1969. Ground-water Resources of Kerr County, Texas. Texas Water Development Board, Report No. 102.
- Rose, P.R. 1972. Edwards Group, surface and subsurface, central Texas. Report of Investigations No. 74, Bureau of Economic Geology, the University of Texas at Austin.

APPENDIX 1



DRILLING LOG		HOLE NO. <u>B-1</u>	
LOCATION <u>SW Corner of UST Area</u>			
GROUND ELEV.		DRILL ANGLE	<u>0°</u>
COLLAR ELEV.	<u>—</u>	DRILL DIRECTION	<u>Vertical</u>
TOTAL DEPTH	<u>45.17'</u>	STARTED	<u>9-29-87</u>
ELEV. DATUM		COMPLETED	<u>9-30-87</u>
	DEPTH	DATE	TIME
FIRST FREE WATER	<u>±39.0'</u>		
BAILED WATER LEVEL		<u>9-30-87</u>	<u>0830</u>
STATIC WATER LEVEL	<u>39.55'</u>	<u>9-30-87</u>	<u>1330</u>

PROJECT NO.	<u>10731</u>	SHEET	<u>1</u> OF <u>2</u>
PROJECT/SITE			
GEO/ENG.	<u>C. A. Montero</u>		
CONTRACTOR	<u>PSI</u>		
DRILLER	<u>Rob Caho</u>		
RIG MODEL	<u>CME 75</u>	HOLE TYPE	<u>Hollowstem Auger</u>
HOLE DIAMETER	<u>6 in.</u>	DRILL FLUID	<u>None</u>
TESTS	SAMPLES	COMPLETION	
		<u>Grouted boring</u>	

ELEV.	DEPTH	LEGEND	CLASSIFICATION/DESCRIPTION	RECOV.	SAMPLES	DRILLING REMARKS
			Brown to black topsoil, clayey roots, grass, scattered gravels	1.2'	<input checked="" type="checkbox"/>	N: 4/6
2			Reddish-brown calcareous clay; scattered limestone, chert, and miscellaneous gravels; secondary calcareous nodules; loose to very stiff; plastic			
4						
6				0.8'	<input checked="" type="checkbox"/>	N: 16/10
8						
10				1.2'	<input checked="" type="checkbox"/>	N: 10/15
12						
14			Tan to buff to light gray clay soft to stiff; Fe stains; plastic, platy seams, dry to slightly moist			
16				1.05'	<input checked="" type="checkbox"/>	N: 14/19
18						
20				1.3'	<input checked="" type="checkbox"/>	N: 16/9
22						
24						
26			1.5	<input checked="" type="checkbox"/>	N: 5/6	
28						



DRILLING LOG (Cont. Sheet)	PROJECT NO. 10731	HOLE NO. B-1
PROJECT/SITE	COLLAR ELEV.	SHEET <u>2</u> OF <u>2</u>

ELEV.	DEPTH	LEGEND	CLASSIFICATION/DESCRIPTION	RECOV.	SAMPLES	DRILLING REMARKS
			Light gray soft to stiff clay (Cont'd)			
	30		Yellowish-brown to light brown weathered calcareous zone with buff to light brown clay matrix (caliche)	.78'		N: 23/20 32'-33' possibly a large cobble present - drilling rate decreases
	32					
	34					
	36					
	38			.87'		N: 16/12
	40		Buff to tan sandy gravel; subrounded to rounded; poorly sorted; saturated	.75'		N: 30/35
	42					
	44		Buff to tan fine-grained limestone			N: 50-2"
	46		TD 45.17'			



DRILLING LOG		HOLE NO. B-2	
LOCATION NE of Pumpouse			
GROUND ELEV.		DRILL ANGLE	0°
COLLAR ELEV.	—	DRILL DIRECTION	Vertical
TOTAL DEPTH	21.5'	STARTED	9-29-87
ELEV. DATUM	—	COMPLETED	9-29-87
	DEPTH	DATE	TIME
FIRST FREE WATER			
BAILED WATER LEVEL			
STATIC WATER LEVEL			

PROJECT NO.	10731	SHEET	1	OF	1
PROJECT/SITE					
GEO/ENG. C. A. Montero					
CONTRACTOR PSI					
DRILLER Rob Caho					
RIG MODEL	CME 75	HOLE TYPE	Hollowstem Auger		
HOLE DIAMETER	6 in.	DRILL FLUID			
TESTS		SAMPLES		COMPLETION	
				Grouted bring	

ELEV.	DEPTH	LEGEND	CLASSIFICATION/DESCRIPTION	RECOV.	SAMPLES	DRILLING REMARKS
	2		Brown to black topsoil; clay; roots and grass; calcareous nodules	.50'	<input checked="" type="checkbox"/>	N: 13/12
	4		Light to dark reddish-brown calcareous clay; pea-size and larger limestone, chert and miscellaneous gravels; secondary calcareous nodules; slightly plastic to plastic, dry; gravel content increases with depth			
	6			.80'	<input checked="" type="checkbox"/>	N: 8/10
	10			1.15'	<input checked="" type="checkbox"/>	N: 11/13
	14					
	16		Light gray to buff calcareous clay, low plasticity; slightly moist; scattered calcareous nodules	1.4'	<input checked="" type="checkbox"/>	N: 8/8
	20			1.5'	<input checked="" type="checkbox"/>	N: 4/4
	22		TD 21.5'			



DRILLING LOG		HOLE NO. <u>B-3</u>	
LOCATION <u>SW of Pumphouse</u>			
GROUND ELEV.	DRILL ANGLE <u>0°</u>		
COLLAR ELEV.	DRILL DIRECTION <u>Vertical</u>		
TOTAL DEPTH <u>21.5'</u>	STARTED <u>9-29-87</u>		
ELEV. DATUM	COMPLETED <u>9-29-87</u>		
	DEPTH	DATE	TIME
FIRST FREE WATER			
BAILED WATER LEVEL			
STATIC WATER LEVEL			

PROJECT NO. <u>10731</u>	SHEET <u>1</u> OF <u>1</u>	
PROJECT/SITE		
GEO/ENG. <u>C. A. Montero</u>		
CONTRACTOR <u>PSI</u>		
DRILLER <u>Rob Caho</u>		
RIG MODEL <u>CME 75</u>	HOLE TYPE <u>Hollowstem Auger</u>	
HOLE DIAMETER <u>6 in.</u>	DRILL FLUID <u>---</u>	
TESTS	SAMPLES	COMPLETION
		<u>Grouted boring</u>

ELEV.	DEPTH	LEGEND	CLASSIFICATION/DESCRIPTION	RECOV.	SAMPLES	DRILLING REMARKS
	2		Dark brown to black topsoil; clay, scattered roots and calcareous nodules; slightly plastic	.5'	<input checked="" type="checkbox"/>	N: 5/7
	4		Reddish-brown clay; scattered roots, calcareous nodules and gravel-size limestone fragments; stiff to very stiff; slightly plastic to plastic	.75'	<input checked="" type="checkbox"/>	N: 11/12
	10			.3'	<input checked="" type="checkbox"/>	N: 10/16
	16		Buff to tan clay with weathered limestone seams; low plasticity; Fe stains; scattered calcareous nodules	1.35'	<input checked="" type="checkbox"/>	N: 7/8
	20			1.40'	<input checked="" type="checkbox"/>	N: 6/6
	22		TD 21.5'			



DRILLING LOG		HOLE NO. <u>BW-4</u>	
LOCATION <u>SE of Pumphouse</u>			
GROUND ELEV.	DRILL ANGLE <u>0°</u>		
GOLLAR ELEV.	DRILL DIRECTION <u>Vertical</u>		
TOTAL DEPTH <u>50.17'</u>	STARTED <u>9-29-87</u>		
ELEV. DATUM	COMPLETED <u>9-29-87</u>		
	DEPTH	DATE	TIME
FIRST FREE WATER	<u>±38.2'</u>	<u>9-29-87</u>	<u>1445</u>
BAILED WATER LEVEL	<u>39.59'</u>	<u>9-30-87</u>	<u>1815</u>
STATIC WATER LEVEL	<u>39.29'</u>	<u>9-30-87</u>	<u>0815</u>

PROJECT NO. <u>10731</u>	SHEET <u>1</u> OF <u>2</u>	
PROJECT/SITE		
GEO/ENG. <u>C. A. Montero</u>		
CONTRACTOR <u>PSI</u>		
DRILLER <u>Rob Caho</u>		
RIG MODEL <u>CME 75</u>	HOLE TYPE <u>Hollowstem Auger</u>	
HOLE DIAMETER <u>6 in.</u>	DRILL FLUID <u>—</u>	
TESTS	SAMPLES	COMPLETION
		<u>Monitor well</u>

ELEV.	DEPTH	LEGEND	CLASSIFICATION/DESCRIPTION	RECOV.	SAMPLES	DRILLING REMARKS
	2		Dark brown to black clay; plastic; scattered limestone gravels and calcareous nodules; loose; stiff	.45'	<input checked="" type="checkbox"/>	N: 6/9
	4		Reddish-brown calcareous clay; scattered calcareous nodules and gravel-size limestone and chert fragments; stiff; plastic			
	6			.85'	<input checked="" type="checkbox"/>	N: 9/12
	8					
	10			.95'	<input checked="" type="checkbox"/>	N: 14/22
	12					
	14					
	16		Buff to tan to light gray, platy clay with weathered limestone seams; Fe stained mottling, gravel-size limestone, chert, and miscellaneous fragments; calcareous nodules; slightly moist to moist; soft "gumbo" to slightly stiff	1.25'	<input checked="" type="checkbox"/>	N: 14/9
	18					Sediments moist at ± 16.4'
	20					
	22					
	24					
	26					
	28			1.35'	<input checked="" type="checkbox"/>	N: 4/6



DRILLING LOG (Cont. Sheet)	PROJECT NO. 10731	HOLE NO. BW-4
PROJECT/SITE	COLLAR ELEV.	SHEET 2 OF 2

ELEV.	DEPTH	LEGEND	CLASSIFICATION/DESCRIPTION	RECOV.	SAMPLES	DRILLING REMARKS
	30		Light gray, soft, platy clay (Cont'd)			N: 33/15
				1.4'	<input checked="" type="checkbox"/>	
	32		Buff to yellowish-gray, fractured, weathered calcareous zone with buff-colored clay matrix, Fe stains (caliche)			N: 9/16
	34				1.15'	
	36		Light reddish-brown clayey sand with sandy clay fingers; very fine-grained subrounded to rounded			37'-38' possibly a large cobble present, drilling rate decreases during this interval
	38					
	40		Buff to tan sandy gravel; well rounded; poorly sorted; saturated - consists of quartz, chert, limestone and other miscellaneous rock types - sand is very fine- to fine-grained subrounded			N: 28/40
	42				.95'	
	44					N: 8/50-4"
	46			.55	<input checked="" type="checkbox"/>	
	48					N: 50-2"
	50		Gray shaly limestone, brittle, fine-grained	.2'	<input checked="" type="checkbox"/>	
	52					



DRILLING LOG		HOLE NO. <u>B-5</u>	
LOCATION <u>West of UST and SW of Stairwell</u>			
GROUND ELEV.	DRILL ANGLE <u>0°</u>		
COLLAR ELEV. <u>—</u>	DRILL DIRECTION <u>Vertical</u>		
TOTAL DEPTH <u>21.5'</u>	STARTED <u>9-29-87</u>		
ELEV. DATUM	COMPLETED <u>9-29-87</u>		
	DEPTH	DATE	TIME
FIRST FREE WATER			
BAILED WATER LEVEL			
STATIC WATER LEVEL			

PROJECT NO. <u>10731</u>	SHEET <u>1</u> OF <u>1</u>	
PROJECT/SITE		
GEO/ENG. <u>C. A. Montero</u>		
CONTRACTOR <u>PSI</u>		
DRILLER <u>Rob Caho</u>		
RIG MODEL <u>CME 74</u>	HOLE TYPE <u>Hollowstem Auger</u>	
HOLE DIAMETER <u>6 in.</u>	DRILL FLUID <u>—</u>	
TESTS	SAMPLES	COMPLETION
		<u>Grouted boring</u>

ELEV.	DEPTH	LEGEND	CLASSIFICATION/DESCRIPTION	RECOV.	SAMPLES	DRILLING REMARKS
	2		Dark brown to black, very stiff clay; scattered roots, gravels and calcareous nodules	.45'	<input checked="" type="checkbox"/>	N: 10/10
	4		Reddish-brown to pinkish-brown, very stiff, plastic clay; scattered calcareous nodules and limestone, chert gravels - decreasing with depth			
	6			.85'	<input checked="" type="checkbox"/>	N: 16/23
	10			1.25'	<input checked="" type="checkbox"/>	N: 15/15
	16			.85	<input checked="" type="checkbox"/>	N: 15/12
	18		Buff to tan clay; soft to stiff; plastic; minor calcareous nodules and miscellaneous gravels			
	20			1.15	<input checked="" type="checkbox"/>	N: 5/4
	22		TD 21.5'			

APPENDIX 2

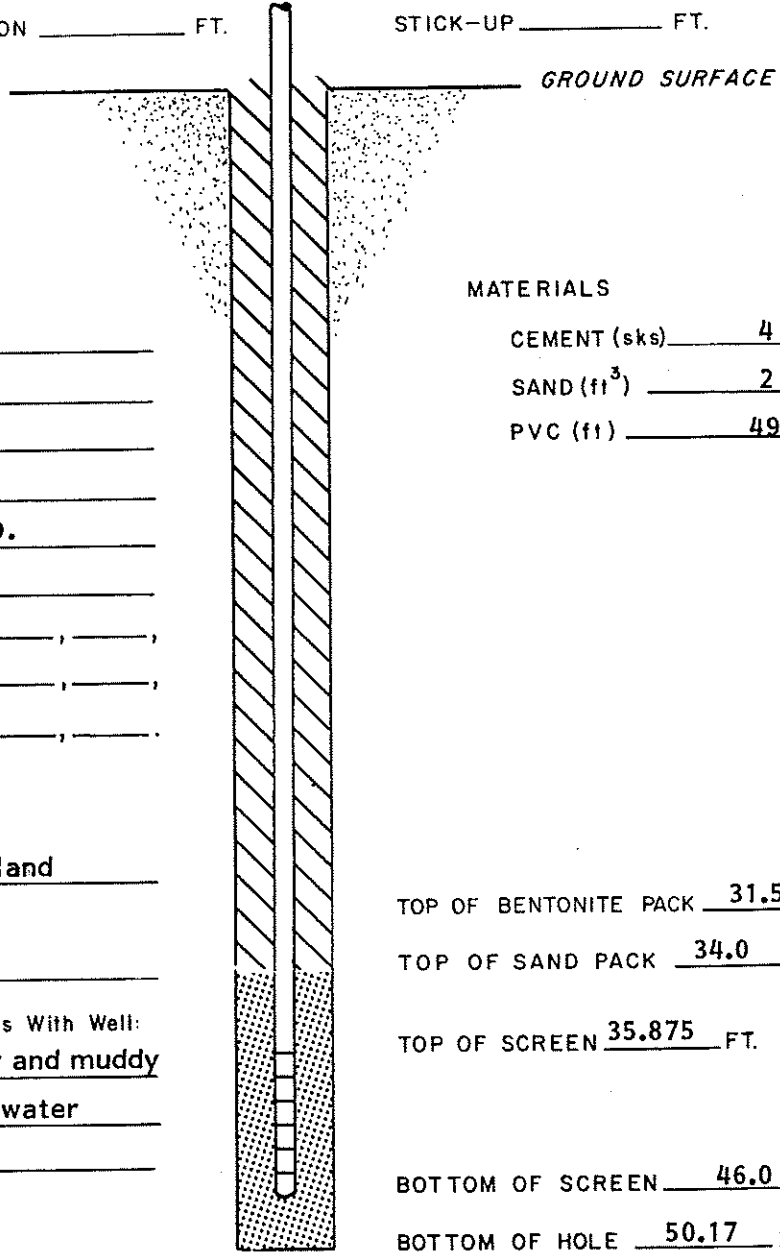
WELL COMPLETION RECORD



ESPEY,
HUSTON &
ASSOCIATES, INC.
Engineering & Environmental Consultants

JOB NO. 10731 WELL NO. BW-4 GEOLOGIST C. A. Montero
 CLIENT VA Medical Center DRILLER Rob Caho, PSI

TOP OF CASING ELEVATION _____ FT. STICK-UP _____ FT.



DETAILS OF CONSTRUCTION:

Date Completed 9-30-87
 Hole Diameter (in) 6
 Screen Size (in) .010
 Screen Length (ft) 10.125
 Casing Size (in) 2.0 I.D.
 Packer Depth (ft) _____
 Centralizer Depths (ft) _____, _____, _____,
 _____, _____, _____, _____,
 _____, _____, _____, _____.

Completion Technique:

- 1) Sand Placement Method
Pour by Hand
- 2) Grout Placement Method
Pumped

Description of Potential Problems With Well:
Very silty and muddy
ground water

MATERIALS

CEMENT (sks) 4
 SAND (ft³) 2
 PVC (ft) 49.305

TOP OF BENTONITE PACK 31.5 FT.
 TOP OF SAND PACK 34.0 FT.
 TOP OF SCREEN 35.875 FT.
 BOTTOM OF SCREEN 46.0 FT.
 BOTTOM OF HOLE 50.17 FT.

NOTE: ALL DEPTHS ARE REFERENCED TO "DEPTH BELOW GROUND SURFACE"

APPENDIX 3



Cubix
Corporation

P.O. Box 5083, Austin, Texas 78763 ☐ (512) 444-5830

Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Clyde Smith

Report #: 2797

Sample Name: Kerrville/ VA B-1 0-11.5'
Date/Time Taken: 9/30/87

Date/Time Received: 10/5/87 10:00:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Hydrocarbons as diesel	<20	mg/Kg	10/9/87	Modified 8020
Oil and Grease	<10	mg/Kg	10/9/87	413.1

Respectfully submitted,

Mark Krause

All method number denote USEPA procedures unless otherwise stated



P.O. Box 5083, Austin, Texas 78763 ☐ (512) 444-5830

Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Clyde Smith

Report #: 2798

Sample Name: Kerrville/VA B-1 20-31.5'
Date/Time Taken: 9/30/87

Date/Time Received: 10/5/87 10:00:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Hydrocarbons as diesel	<20	mg/Kg	10/9/87	Modified 8020
Oil and Grease	<10	mg/Kg	10/9/87	413.1

Respectfully submitted,

A handwritten signature in cursive script that reads "Mark Krause".

Mark Krause

All method number denote USEPA procedures unless otherwise stated



Cubix
Corporation

P.O. Box 5083, Austin, Texas 78763 ☐ (512) 444-5830

Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Clyde Smith

Report #: 2799

Sample Name: Kerrville/VA B-1 40-46.5'
Date/Time Taken: 9/30/87

Date/Time Received: 10/5/87 10:00:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Hydrocarbons as diesel	<20	mg/Kg	10/9/87	Modified 8020
Oil and Grease	<10	mg/Kg	10/9/87	413.1

Respectfully submitted,

Mark Krause

All method number denote USEPA procedures unless otherwise stated



P.O. Box 5083, Austin, Texas 78763 ☐ (512) 444-5830

Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Clyde Smith

Report #: 2800

Sample Name: Kerrville/VA B-2 0-11.5'
Date/Time Taken: 9/30/87

Date/Time Received: 10/5/87 10:00:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Hydrocarbons as diesel	<20	mg/Kg	10/9/87	Modified 8020
Oil and Grease	<10	mg/Kg	10/9/87	413.1

Respectfully submitted,

A handwritten signature in cursive script that reads "Mark Krause".

Mark Krause

All method number denote USEPA procedures unless otherwise stated



Cubix
Corporation

P.O. Box 5083, Austin, Texas 78763 ☐ (512) 444-5830

Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Clyde Smith

Report #: 2801

Sample Name: Kerrville/VA B-2 15-21.5'
Date/Time Taken: 9/30/87

Date/Time Received: 10/5/87 10:00:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Hydrocarbons as diesel	<20	mg/Kg	10/9/87	Modified 8020
Oil and Grease	<10	mg/Kg	10/9/87	413.1

Respectfully submitted,

Mark Krause

All method number denote USEPA procedures unless otherwise stated



Cubix
Corporation

P.O. Box 5083, Austin, Texas 78763 ☐ (512) 444-5830

Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Clyde Smith

Report #: 2802

Sample Name: Kerrville/VA B-3 0-11.5'
Date/Time Taken: 9/30/87

Date/Time Received: 10/5/87 10:00:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Hydrocarbons as diesel	<20	mg/Kg	10/9/87	Modified 8020
Oil and grease	<10	mg/Kg	10/9/87	413.1

Respectfully submitted,

Mark Krause

All method number denote USEPA procedures unless otherwise stated



Cubix
Corporation

P.O. Box 5083, Austin, Texas 78763 ☐ (512) 444-5830

Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Clyde Smith

Report #: 2803

Sample Name: Kerrville/VA B-3 15-21.5'
Date/Time Taken: 9/30/87

Date/Time Received: 10/5/87 10:00:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Hydrocarbons as diesel	<20	mg/Kg	10/9/87	Modified 8020
Oil and Grease	<10	mg/Kg	10/9/87	413.1

Respectfully submitted,

Mark Krause

All method number denote USEPA procedures unless otherwise stated



Cubix
Corporation

P.O. Box 5083, Austin, Texas 78763 ☐ (512) 444-5830

Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Clyde Smith

Report #: 2804

Sample Name: Kerrville/VA BW-4 0-16.5'

Date/Time Taken: 9/30/87

Date/Time Received: 10/5/87 10:00:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Hydrocarbons as diesel	<20	mg/Kg	10/9/87	Modified 8020
Oil and Grease	<10	mg/Kg	10/9/87	413.1

Respectfully submitted,

Mark Krause

All method number denote USEPA procedures unless otherwise stated



Cubix
Corporation

P.O. Box 5083, Austin, Texas 78763 ☐ (512) 444-5830

Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Clyde Smith

Report #: 2805

Sample Name: kerrville/VA BW-4 20-36.5'

Date/Time Taken: 9/30/87

Date/Time Received: 10/5/87 10:00:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Hydrocarbons as diesel	<20	mg/Kg	10/9/87	Modified 8020
Oil and Grease	<10	mg/Kg	10/9/87	413.1

Respectfully submitted,

Mark Krause

All method number denote USEPA procedures unless otherwise stated



Cubix
Corporation

P.O. Box 5083, Austin, Texas 78763 ☐ (512) 444-5830

Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Clyde Smith

Report #: 2806

Sample Name: Kerrville/VA B-5 0-21.5'

Date/Time Taken: 9/30/87

Date/Time Received: 10/5/87 10:00:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Hydrocarbons as diesel	<20	mg/Kg	10/9/87	Modified 8020
Oil and Grease	<10	mg/Kg	10/9/87	413.1

Respectfully submitted,

Mark Krause

All method number denote USEPA procedures unless otherwise stated



Cubix
Corporation

P.O. Box 5083, Austin, Texas 78763 ☐ (512) 444-5830

Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Clyde Smith

Report #: 2794

Sample Name: Kerrville/VA BW-4

Date/Time Taken: 9/30/87 18:15:00

Date/Time Received: 10/1/87 12:00:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Hydrocarbons as diesel	<10	mg/L	10/9/87	Modified 8020
Oil and Grease	<10	mg/L	10/9/87	413.1

Respectfully submitted,

Mark Krause

All method number denote USEPA procedures unless otherwise stated



Cubix
Corporation

P.O. Box 5083, Austin, Texas 78763 ☐ (512) 444-5830

Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Clyde Smith

Report #: 2796

Sample Name: Kerrville/VA Trailer tank upper phase

Date/Time Taken: 9/30/87 13:00:00

Date/Time Received: 10/1/87 12:00:00

Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Flash point	126	°F	10/9/87	1010

Respectfully submitted,

Mark Krause

All method number denote USEPA procedures unless otherwise stated



Cubix
Corporation

P.O. Box 5083, Austin, Texas 78763 ☐ (512) 444-5830

Client: Espey-Huston and Associates
P.O. Box 519
Austin TX 78767
Attn: Clyde Smith

Report #: 2795

Sample Name: Kerrville/VA Trailer tank dissolved phase

Date/Time Taken: 9/30/87 13:00:00

Date/Time Received: 10/1/87 12:00:00

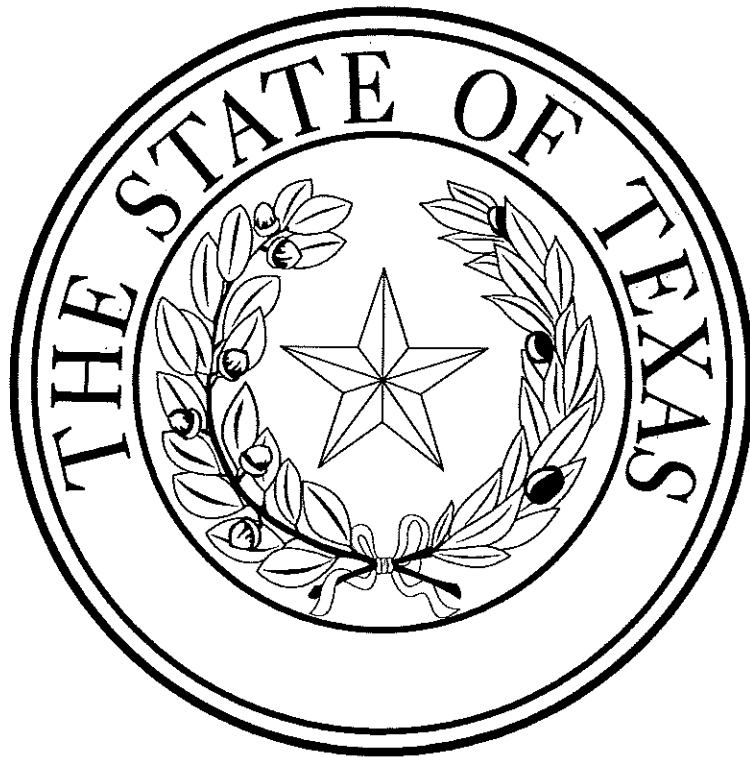
Report of Analysis

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Test Method</u>
Flash point	87	°F	10/9/87	1010

Respectfully submitted,

Mark Krause

All method number denote USEPA procedures unless otherwise stated



The Texas Governor's Committee on People with Disabilities

An Analysis of the Survey of Texas Veterans with Disabilities

November 2010

Mission:

The Texas Governor's Committee on People with Disabilities envisions a state where people with disabilities have the opportunity to enjoy full and equal access to lives of independence, productivity and self determination.

The Survey of Veterans with Disabilities serves as partial fulfillment of the Texas Governor's Committee on People with Disabilities (GCPD) function to serve as a central source of information and education on the abilities, rights, problems, and needs of Texans with Disabilities and necessary issue reports.

Angela English, LPC, LMFT
Executive Director
Texas Governor's Committee on People with Disabilities

Joe Bontke, GCPD Committee Chair
Outreach Manager and Ombudsman for Equal Employment Opportunity Commission:
Houston District

The Texas Governor's Committee on People with Disabilities

Survey of Veterans with Disabilities Analysis and Report

Introduction

The Texas Governor's Committee on People with Disabilities is a division within the Governor's Office that advises on a wide range of disability issues related to Texans with disabilities. In existence since September of 1950, the Texas Governor's Committee on Employment for the Handicapped was first created by Governor Dolph Briscoe in 1978 through Executive Order DB-40. Executive orders by governors William P. Clements in 1981 and 1987 and Mark White in 1983 continued the committee, with Executive Order MW-10 changing the name to the Texas Governor's Committee for Disabled Persons. In 1991, the Texas Governor's Committee on People with Disabilities was created statutorily by Senate Bill 381.

The Texas Governor's Committee on People with Disabilities (GCPD) works toward a state where people with disabilities have the opportunity to enjoy full and equal access to lives of independence, productivity, and self-determination. The Governor appoints twelve members to serve on the Committee, seven of whom must be people with disabilities. Representatives from six state agencies serve as ex officio or advisory members. The Committee makes recommendations to the Governor and Legislature on disability issues; promotes compliance with disability-related laws; promotes a network of local communities/committees doing similar work; and recognizes employers and media professionals for employing and positively depicting Texans with disabilities. The members and staff also provide technical assistance, information and referral services to citizens of Texas on issues affecting Texans with disabilities. The Committee structures its work around ten broad issue areas related to access, communication, education, emergency management, health, housing, recreation, transportation, veterans and workforce. The Committee's enabling law is outlined in the Texas Human Resources Code, Chapter 115.

One of the Committee's functions is to serve as a central source of information and education on the abilities, rights, problems, and needs of persons with disabilities and, as necessary, to issue reports. As part of our fulfillment of this function, the Committee issues this report on veterans with disabilities' access and needs to services.

History of Veteran Benefit Programs for Veterans with Disabilities in the United States and Texas

The provision of veterans' services for veterans with disabilities has a long history, not only in the United States but in Texas.

During the colonial period it was normal for a colony to care for veterans with service disabilities for life. In 1776, the Continental Congress continued this tradition by giving pension to veterans who were disabled during service. During the early 1800's the Bureau of Pensions administered veterans' pensions. Pensions, during this time, were extended to veterans' dependents and

survivors and also to veterans of militias and state troops. In 1818, the Service Pension Law passed allowing veterans who were considered in poverty to receive Pension. In the 1830's, veterans who served during the War for Independence were affected by the "pure service" plan, which meant that a veteran's pension was contingent upon their amount of time spent in service.

With a new era, Congress enacted new benefits and pension plans for veterans. The General Pension Act of 1862 gave disability payments to Union veterans according to a veteran's rank and severity of disability. The Act also compensated for a Union veteran's service-related illness. During the Civil War the number of pensioners rose from 80,000 to 1.9 million veterans.

During World War I (WWI) more than 4.7 million service members were in the U.S. forces. When the war ended on November 11, 1918, 204,000 veterans had a war-related injury and 116,708 service members had died. In 1930, veteran agencies underwent another major change; the Veterans Administration (VA) was created, consolidating the Veterans Bureau, the Bureau of Pensions, and the National Home for Disabled Volunteer Soldiers. In 1936, Congress also passed legislation allowing early payments of WWI insurance bonuses to veterans. Additionally the Social Security Act of 1935 provided monetary compensation for the elderly and people with disabilities.

Also during this period, in 1917, the first official schedule for rating veterans' illness and disabilities was created, called the VA Schedule for Rating Disabilities (VASRD). The rating was created to rate illnesses and disabilities on their "average impairments of earning capacity resulting from injuries in civil occupations."

In 1940, before the U.S. entered World War II (WWII), Congress passed the Selective Training and Service Act of 1940. The Act was a peacetime draft that offered reemployment to any person who left a civilian job to enter the military. When the U.S. entered WWII they mobilized over 16.5 million service people, the largest in U.S. history. By the end of the war, 671,876 U.S. troops were wounded and 405,399 service people died.

Congress authorized the Servicemen's Readjustment Act of 1944, or the GI Bill, a plan which included hospital care, employment services, home and business loans and education to help transitioning WWI veterans. Also from 1945 to 1962, nuclear weapon testing affected thousands of veterans, exposing them to ionizing radiation. Finally in 1981, veterans began receiving assistance for health problems related to radiation and in 1988 Congress authorized disability compensation for disease and illnesses related to radiation exposure.

The VA Schedule for Rating Disabilities (VASRD) was revised in 1945 including organ system injuries and illnesses. The VASRD also allowed the VA to reexamine a veteran and change their disability rating if the veteran recovered from the disability. The updated 1945 VASRD is the current rating model used today. In addition to the VASRD restructuring, the VA added the Vocational Rehabilitation and Education division to meet veterans' education and occupational needs.

In 1947, the U.S. government created the Department of Defense (DoD) to manage the service branches, the National Security Council to advise the President, and the Central Intelligence Agency. In 1951, the selective service draft was reinstated.

From 1950 to 1953, 6.8 million troops were fighting to stop Korea's Communist expansion, and 54,256 service members gave their lives and 103,284 soldiers were wounded. These numbers were lower due to advances in medicine and technology. It was also acknowledged, during this time, that service members with psychological problems and disabilities needed to be treated immediately. In 1950 the Vocational Rehabilitation Act was passed, also in 1952 the Korean GI Bill gave Korean Veterans benefits similar to those serving in WWII.

There were 8.7 million service members who served during the Vietnam War; of those, 57,690 lost their lives, and 303,704 were wounded. Illnesses and wounds were addressed on sight, reducing the number of casualties. However, many veterans became ill later due to exposure to Agent Orange and psychological problems developed when veterans returned home to a culture protesting war. The VA provided medical care for veterans exposed to Agent Orange in 1978 and in the 1990's compensation for exposure resulting in illness were distributed.

In 1965, Congress passed the largest national insurance program called Servicemen's Group Life Insurance (SGLI). Then in 1966, Congress restored the GI Bill for Vietnam Veterans. Attempting to connect more veterans to available government services, toll-free phone lines were installed to VA offices in each state. Also in 1979 the VA opened its first Vet Center tailored to meet the specific needs of Vietnam Veterans. However, not all veterans accessed these services and some turned to substance abuse, criminal activity, and/or suicide to mitigate the problems resulting for their military service.

In 1973, the draft system ended and a volunteer registration to join the military was emplaced. During this time, WWII veterans began turning 65 years of age, qualifying for their pensions. The number of veterans receiving pensions rose from 89,526 in 1960 to 691,045 in 1978.

In 1984, Congress created the Veterans' Educational Assistance Act also called the Montgomery GI Bill (MGIB). The MGIB was used to attract volunteers into serving for the US military. In 1990, 900,000 or 72% of those serving accessed the MGIB program. In 1986, Congress placed limits on its medical care from the VA. Only veterans with disabilities, in poverty, or in a specialized group were able to receive VA health care without cost. Then in 1990, low-income veterans over the age of 65 were no longer to be automatically classified as disabled. Also President Ronald Reagan made the VA a Cabinet level department in 1988 and Congress created the Court of Veterans Appeals, allowing veterans to appeal to the VA Board of Veterans Appeals (BVA).

When Iraq invaded Kuwait in 1990, 700,000 soldiers were deployed into the Persian Gulf. When returning, many service members and veterans began reporting symptoms difficult to define and diagnose. Evaluations are still continuing and the unspecified environmental factors causing these illnesses are coined "Gulf War Illnesses".

The Veterans' Healthcare Eligibility Reform Act of 1996 caused the VHA to undergo reorganization. The Act "eliminated the distinction between hospitalization and outpatient care and provided prevention services and primary care." The law also created a rating system, placing veterans into priority groups based on factors including income, level of disability, and Prisoners of War (POW) status. In addition, the VA reorganized its medical centers into 22 geographically located integrated service networks. As a result of the restructuring, VA healthcare enrollment rose from 3 million in 1998 to 3.4 million in 2000 to 4.9 million in 2006 and in 2004, over 850 community based outpatient clinics (CBOCs) were also built. During this time the VA and DoD joined together to create the Benefits Delivery at Discharge (BDD) program which allows service members to file VA claims while still on active duty. Finally, the Vet Center extended its eligibility to veterans who served in WWII, Korea, Lebanon, Grenada, Panama, and Somalia.

After September 11, 2001, the U.S. declared a war on terrorism and troops were deployed to Afghanistan for Operation Enduring Freedom (OEF) and Iraq for Operation Iraqi Freedom (OIF). In 2006, 1.3 million men and women were serving in the military and 1.1 million were serving in the National Guard or Reserves. Injuries acquired while serving in OEF and OIF include: amputations, traumatic brain injuries, blindness, burns, and organ damage. Despite injuries 85% of service people with injuries have survived, a record number.

The DoD, during this time, created specialized programs for people with severe injuries and the VA also reorganized its response to veterans with multiple traumas. In 2005, Traumatic Servicemembers' Group Life Insurance (TSGLI) began providing financial assistance to veterans with severe injuries acquired during service. And, in 2008, veterans accepted various VA services in larger and larger numbers.¹

National Number of Veterans Accessing VA Resources (FY 2008):

- Home Care Programs: 5.6 million
- Disability Pension or Compensation: 3.8 million
- Education Benefits: 540,000
- Life Insurance Policies: 1.3 million
- Home Loans: 180,000
- Vocational Rehabilitation: 72,000
- Veterans and Family Members Buried at National Cemeteries: 103,000
- Headstones/Markers: 360,000²

¹ Veterans Commission, *Honoring The Call To Duty: Veterans' Disability Benefits In the 21st Century*, November, 2007

² United States Department of Veterans Affairs, *VA History in Brief*

Texas Veterans Commission History

The Texas Veterans Commission was established in 1927. It was first called the State Service Office, which was created to assist Texas veterans serving in the Indian Wars, Spanish American War, and WWI. The State Service Office was specifically designed in response to Texas veterans' expression of the complexity of the Veterans Bureau claims process. In 1947, the State Service Office was reorganized and renamed the Texas Veterans Affairs Commission. The reorganization included that the State Service Office provide training for the Veterans County Service Officers and coordinate the statewide Veterans Assistance Program. In 1985 the Commission was renamed the Texas Veterans Commission (TVC). Then, in 1989, the Texas Legislature granted the TVC greater responsibility in training and the certification of the Veterans County Service Officers. In 1997, the Texas Legislature authorized the Veterans Land Board to build veteran homes and state veteran cemeteries. During 2005, the Texas Legislature allowed the TVC to establish a veterans' trust fund and the Veterans Employment Program was transferred from the Texas Workforce Commission to the TVC.³

Currently the State of Texas leads in distributing monetary compensation and pension benefits to veterans in comparable large states. The Texas Veterans Commission states that a veteran filing through the Texas Veterans Commission receives on average \$6,200 more than when independently filing with the VA.

Introduction of Veterans Issues

The Department of Veterans Affairs (VA) offers a wide variety of programs and services for the nation's 23.4 million veterans. In 2008, approximately 5.6 million veterans were treated in VA health care facilities, 3.8 million veterans and survivors received VA disability compensation or pensions, more than 540,000 used GI Bill education benefits and nearly 180,000 home loans were guaranteed by GI Bill home loan benefits. Nearly 72,000 veterans took advantage of the VA's vocational rehabilitation and employment services in 2008. Nationally, veterans held more than 1.3 million life insurance policies valued at \$15.5 billion. More than 103,000 veterans and family members were buried in the VA's national cemeteries and more than 360,000 headstones and markers were provided for veterans' graves worldwide.

A Snapshot of Texas (FY 2008):

- Number of veterans: 1,705,000
- VA expenditures in Texas: \$6.9 billion
- Compensation and pensions: \$3.6 billion
- Readjustment benefits: \$397 million
- Medical and construction programs: \$2.6 billion
- Insurance and indemnities: \$71 million
- Number of veterans and survivors receiving disability compensation or pension payments in Texas: 330,292

³ Texas Veterans Commission, Texas Veterans Commission Self-Evaluation Report, August 2005

- Number of Texas veterans using GI Bill education benefits: 42,562
- Number of home loans in Texas backed by VA guarantees: 22,179
- Value of Texas home loans guaranteed by VA: \$3.7 billion
- Number of VA life insurance policies held by Texas residents: 79,927
- Value of VA life insurance policies held by Texas residents: \$927 million
- Number of Texas participants in vocational rehabilitation: 8,355
- Number of veterans buried in Texas's VA national cemeteries: 10,834
- Number of headstones and markers provided for graves of Texas veterans and survivors: 25,797

One of the most visible of all VA benefits is health care. The VA has 153 hospitals, 755 community-based outpatient clinics, 230 Vet Centers, 132 Community Living Centers, 48 residential rehabilitation treatment programs and 128 comprehensive home care programs. To improve patients' ability to access care, the VA has changed from a hospital-based system to a primarily outpatient-focused system over the past decade. Veterans will make more than 65 million outpatient visits to VA health care facilities this year.

Veteran's Administration Health Care in Texas (FY 2008):

- Inpatient admissions: 50,810
- Houston: 13,455
- Central Texas (Temple and Waco): 6,594
- North Texas (Bonham and Dallas): 16,598
- South Texas (Kerrville and San Antonio): 10,986
- Amarillo: 2,591
- West Texas (Big Spring): 586
- El Paso: None
- Outpatient visits: 4,485,000

Outpatient clinic locations in Texas are in Abilene, Austin, Beaumont, Beeville, Bridgeport, Brownwood, Cedar Park, Childress, College Station, Conroe, Corpus Christi, Denton, Eagle Pass, Fort Stockton, Fort Worth (2), Galveston, Granbury, Greenville, Harlingen, Laredo, Longview, Lubbock, Lufkin, McAllen, New Braunfels, Odessa, Palestine, Paris, San Angelo, San Antonio (7), Sherman, Stamford, Stratford, Texas City, Tyler, Victoria, and Wichita Falls.

The VA has launched special efforts to provide a "seamless transition" for service members returning from service in Operations Enduring Freedom and Iraqi Freedom (OEF/OIF). Each VA medical facility and regional benefits office has a point of contact to coordinate activities locally to help meet the needs of these returning combat service members and veterans. In addition, the VA increased the staffing of benefits counselors at key military hospitals where severely wounded service members from Iraq and Afghanistan are frequently sent. Once home, recent Iraq and Afghanistan veterans have ready access to VA health care, which is free of charge for five years following separation for any health problem possibly related to wartime service. Some 425,000 veterans from the conflicts in Iraq and Afghanistan have sought VA

health care since returning stateside, about 43% of the total number of men and women leaving military service.

Numbers related to Post-Conflict Care of Texas Veterans (FY 2008):

- Number of veterans from the conflicts in Iraq and Afghanistan seeking treatment: 26,248
- Houston: 4,092
- Central Texas: 7,723
- North Texas: 4,832
- South Texas: 6,034
- Amarillo: 874
- West Texas: 762
- El Paso: 1,931

As of FY 2008, there are currently 13 Veterans Readjustment Counseling Centers (Vet Centers) in Texas: They are in Austin, Amarillo, Corpus Christi, Dallas, El Paso, Fort Worth, Houston, Killeen, Laredo, Lubbock, McAllen, Midland and San Antonio.

Not all military service-related issues end when people are discharged from active duty. About 2.9 million veterans nationally receive monthly VA disability compensation for medical conditions related to their service in uniform. VA pensions go to about 316,000 wartime veterans with limited means. Family members of about 528,000 veterans qualify for monthly VA payments as the survivors of disabled veterans or pension recipients.

Current status of Veterans with Disabilities and Pensions in Texas (FY 2008):

- Number of Texas veterans receiving monthly disability compensation: 259,426
- Number of VA pensions to veterans in Texas: 25,731
- Number of death compensation or pension payments made to survivors of Texas Veterans: 45,135
- Number of disability compensation claims processed in Texas: 64,517

Most men and women who served in the military are eligible for burial in a VA national cemetery, as are their spouses and dependent children. The VA manages the country's network of national cemeteries with more than 2.9 million gravesites at 128 national cemeteries in 39 states and Puerto Rico, as well as in 33 soldier's lots and monument sites. In 2008, more than 103,000 veterans and dependents were buried in VA's national cemeteries. Additionally, the VA provided more than 360,000 headstones and markers and 511,000 Presidential Memorial Certificates to the loved ones of deceased veterans. The VA-assisted state veteran's cemeteries provided nearly 25,000 interments.

Current status of Memorial Affairs in Texas (FY 2008):

- National cemetery burials in Texas: 10,834
- Dallas-Fort Worth: 3,088
- Fort Bliss: 1,334

- Fort Sam Houston: 3,657
- Houston: 2,755
- Kerrville: None
- San Antonio: None
- State cemetery burials (cemeteries receiving VA grants): 542
- Central Texas Veterans: 397
- Rio Grande Valley: 145
- Headstones and markers provided in 2008 (statewide): 25,797
- Presidential Memorial Certificates issued in 2008 (statewide): 17,032⁴

The war against terror, Operation Iraqi Freedom and Operation Enduring Freedom (OIF/OEF), has added to the number of younger wartime veterans in Texas. The veteran population in Texas age 60 years of age and older which in 2008 numbered approximately 818,926 will increase slightly to 823,100 by 2014. The number of aged veterans (80 years of age and older) currently stands at 172,150 and is expected to “peak” in 2014 at 178,000. The number of veterans over the age of 80 will gradually decline through 2021 at which time their numbers will once again begin to grow. By FY 2014, the modal age of veterans is estimated to be nearly 70 years old. As the veteran population ages, we expect a concurrent increase in demand for care and services from this demographic. This will be a major challenge to both the Department of Veteran Affairs (VA) and the Texas Veterans Commission (TVC). The majority of older civilian males (age 80 and older) are veterans, reflecting the high proportion of men who served in WWII. In 2009, Vietnam-era veterans still comprised the largest number of veterans in Texas (517,000). However, there has been a very significant growth in the Gulf War veterans’ population. Between 2005 and 2009, the number of Gulf War veterans residing in Texas increased by an incredible 32% and currently there are 467,000 Gulf War veterans residing in Texas. While the majority of veterans are males, the number and proportion of female veterans in Texas continues to show a steady increase.⁵

Female veterans often report a different experience than their male counterparts and given the long protracted war, a disturbing trend has been noticed. Although, both women and men can experience sexual harassment or sexual assault during their military service, the Pentagon's latest figures show that nearly 3,000 women were sexually assaulted in fiscal year 2008, up 9% from the year before; among women serving in Iraq and Afghanistan, the number rose 25%. When you look at the entire universe of female veterans, close to a third say they were victims of rape or assault while they were serving — twice the rate in the civilian population. The Pentagon estimates that 80% to 90% of sexual assaults go unreported. Officials also reported challenges hiring providers with specific training and experience in women's health care and in mental health care, such as treatment for women veterans with post-traumatic stress disorder or who had experienced military sexual trauma.⁶

Historically, the vast majority of VA patients have been men, but that is changing. VA provided health care to over 281,000 women veterans in 2008--an increase of about 12% since 2006--and

⁴ Department of Veterans Affairs, *State Summary: Texas and the U.S. Department of Veterans Affairs*, June 2009

⁵ Texas Veterans Commission Planning Committee, *Strategic Plan: Fiscal Years 2011-2015*, pg 16-17, June 2010

⁶ Time, *Sexual Assaults on Female Soldiers: Don't Ask, Don't Tell*, Nancy Gibbs, March 8, 2010

the number of women veterans in the United States is projected to increase by 17% between 2008 and 2033. Women veterans seeking care at VA medical facilities need access to a full range of health care services, including basic gender-specific services--such as cervical cancer screening--and specialized gender-specific services--such as treatment of reproductive cancers.⁷ Another principal demographic change is that Texas is no longer a rural state. Sixty percent of all Texas veterans live within the six largest metropolitan areas of the State. According to VA statistics, more than 75% of the net migration of veterans to Texas was in the age group from 20 to 64. This suggests the vast majority of 'relocating veterans' came to Texas seeking gainful employment and are therefore most likely to reside in metropolitan areas.⁸

The fact that our Country is at war also creates long-range planning issues. The survival rate for U.S. service members wounded in Iraq has reached 90%, higher than in any previous war, and 10 points higher than in the 1991 Persian Gulf War, thanks to body armor and better medical care. **For every service member killed in Iraq, 15 others have survived illness or injury there.** However, unlike previous wars, few soldiers are wounded as the result of small arms fire or shrapnel. Consequently, more service members survive to return home with severe combat-related injuries that require additional care. For example, a large number of military personnel have survived blasts that resulted in such injuries as hearing loss and traumatic brain injury (TBI). An estimated 10 to 20% of OEF and OIF service members have sustained mild TBI that has been associated with various long-term health outcomes.

In addition to differences from previous wars in the demographic composition of the current all-volunteer force, deployment to OEF and OIF has some unique characteristics. Because the number of troops in the active component of the military is smaller than in past conflicts, the Department of Defense (DoD) has had to send military personnel on repeat tours in theater to meet the demands of an extended conflict. Overall, about 40% of current military service members have been deployed more than once and, as of October 2009, 263,150 service members have served more than two tours. Multiple tours coupled with the additional emotional stress inherent in fighting an insurgency has resulted in a very high incidence of Post Traumatic Stress Disorder (PTSD).

Credit should be given to the VA for acknowledging the vast array of injuries including Traumatic Brain Injury (TBI) and PTSD. However, it must be noted that, historically, after periods of conflict, health-related issues arise for veterans that were not anticipated prior to the conflict. One widely documented example is the negative health impact to veterans returning from Vietnam as a result of exposure to the defoliant labeled "Agent Orange." It was not until thirty-five years after the last troops left Vietnam, that the VA recognized Agent Orange as a significant contributor to diabetes. Additionally, the Texas Veterans Commission was forced to assume a lead role in presenting health-related issues to VA faced by the veterans of Desert Storm. Among these health-related issues were Persian Gulf Syndrome, and an incidence of Multiple Chemical Sensitivity Syndrome.

⁷ United States Government Accountability Office (GAO), *VA Health Care: Preliminary Findings on VA's Provision of Health Care Services to Women Veterans*, GAO-09-899T Report, July 16, 2009; Full report

⁸ Texas Veterans Commission Planning Committee, *Strategic Plan: Fiscal Years 2011-2015*, pg 17, June 2010

The state of Texas has always been the leader when addressing the needs of the state's veteran population and understands that veterans returning from Afghanistan, Iraq and other areas of conflict may face health issues that may not manifest or be identified for years to come. As active duty personnel begin to separate from the military and reservists and National Guardsmen rotate off deployment, the need for health, employment, education and financial assistance will be greater than at any time in recent history.⁹

Post-Traumatic Stress Disorder, PTSD, is an anxiety disorder that can develop after exposure to a terrifying event or ordeal in which grave physical harm occurred or was threatened. Traumatic events that may trigger PTSD include violent personal assaults, natural or human-caused disasters, accidents, or military combat. When in danger, it is natural to feel afraid. This fear triggers many split-second changes in the body to prepare to defend against the danger or to avoid it. This "fight-or-flight" response is a healthy reaction meant to protect a person from harm. But in PTSD, this reaction is changed or damaged. People who have PTSD may feel stressed or frightened even when they're no longer in danger.

Veterans may need information about symptoms of mental or physical conditions, how those conditions can affect the veteran and the veteran's family, and the healthcare resources and treatment options that are available. Information is also needed on potential readjustment difficulties that the returning veteran may face, as well as ways in which family members can help and offer support. At the same time, family members may experience difficulties--such as stress, uncertainty, or strained relationships--due to the veteran's medical conditions or readjustment difficulties.

Texas soldiers are no strangers to Post Traumatic Stress Disorder. In 1835 in Texas, we have probably the first recorded evidence of the symptoms of this disorder not yet named. Irish-born Thomas William ("Peg Leg") Ward ventured to Texas in 1835 to fight in the Texas Revolution, but in his first day of action his right leg was hit by Mexican cannon fire and amputated. If Ward had a remarkable career, his life was nonetheless troubled by symptoms comparable to those experienced by war veterans diagnosed with posttraumatic stress disorder—a hair-trigger temper, an impulse to violence, and marital discord.¹⁰

While it is possible to quantify many of veterans needs through statistics of returning veterans and those receiving services through the VA, it is often difficult to quantify the number of homeless veterans in Texas. In 2008, General Eric Shinseki, estimated that there are about 131,000 homeless veterans in the U.S.¹¹ According to the National Coalition of Homeless Veterans, prior to becoming homeless, a large number of veterans at risk of homelessness have suffered from Post-Traumatic Stress Disorder (PTSD) or have addictions acquired during or worsened by their military service. At least 45% of homeless veterans suffer from mental illness, while over 50% have substance abuse problems. Many are dually-diagnosed, which especially challenges existing service-delivery systems. According to the VA 2007 Community Homelessness Assessment, Local Education and Networking Groups report, there were an estimated 154,000 veterans who were homeless on any given night. This estimate of homeless

⁹ Ibid, pg 18-19.

¹⁰ *Peg Leg: The Improbable Life of a Texas Hero, Thomas William Ward, 1807-1872*, David C. Humphrey

¹¹ YouTube Video, *VA Secretary Eric Shinseki Helps Vets at VA Medical Center Homeless Stand Down*

veterans is down 21% from the 2006 estimate and represents a 40% reduction since 2001. The VA stated the decrease was due in part to the partnership between the VA and community-based homeless veteran service providers, which provides evidence that the VA's programs to help homeless veterans are effective. The Department of Housing and Urban Development (HUD) reported in its 2007 Annual Homelessness Assessment Report to Congress that there had been a 30% reduction in chronic homelessness over the past two years. Among the 1.6 million people who were homeless and who found shelter during 2007, 13% were veterans. The authors of the report attributed the reduction in homelessness to the effectiveness of supportive housing.¹²

A Snapshot of Texas (FY 2008):

According to the U.S. Census Bureau, the State of Texas has a total population of 24.7 million which includes 1.7 million veterans. A 2008 U.S. Census Bureau breakdown of demographics related to Texas Veterans reveals that there are 17.5 million Texans ages 18 and up, which includes, 1.6 million veterans and 15.9 non-veterans. Texas has a deep appreciation for the men and women who don the uniform of our country and risk their lives for our freedom, and that appreciation continues after they return home. We must ensure our veterans return from the field of battle to live a life of dignity, with the opportunity to find their place in our economy and access to the services they were promised when they joined up. In November 2009, Governor Perry responded to a backlog of more than 39,000 pending disability and health benefit claims at Veterans Administration regional offices by funding a 12-person Claims Processing Assistance Team (CPAT) within the Texas Veterans Commission. In January of 2010, the CPAT, has assisted in over 1,400 cases and has 866 cases ready for action by the VA.

Additionally, the governor worked with the Legislature and the Health and Human Services Commission (HHSC) to secure an additional \$5 million to supplement the \$1.2 million from the state budget to expand mental health treatment and support programs for veterans and their families. This additional funding has been made available to local mental health authorities in grants of up to \$245,000 to help with programs such as vet-to-vet peer support groups, family education and trauma therapy.

In the last legislative session, Governor Perry signed SB 297, which provides in-state tuition for veterans who are eligible for federal education benefits, and to their spouses and children. The bill also provides a tuition exemption for dependent children with a parent who is a Texas resident deployed on active duty overseas. The governor also signed SB 93, which makes important changes to the Hazelwood Act allowing eligible veterans, their children and spouses to receive an exemption from the payment of tuition and most fees for up to 150 semester credit hours of state-supported classes at colleges and universities. The Texas Veterans Leadership Program was also developed which provides employment and training services, resources and referrals to veterans.¹³

¹² National Coalition for Homeless Veterans, NCHV Plan to End Homelessness Among Veterans

¹³ Office of the Governor, Press Release Jan 29, 2010, Gov. Perry: Veterans Have Made Our Nation Great, "Speaks at Texas VFW Mid-Winter Round Up"

Some specific statistics about Texas Veterans include:

Texas Veterans Serving During Times of Conflict:

- World War II: 9.8%
- Korean War: 11.2%
- Vietnam: 35.6%
- Gulf War: 19.5%
- Post September 11, 2001: 10.5%

Ages of Texas Veterans:

- 18 to 34: 10.2%
- 35 to 54: 29.6%
- 55 to 64: 24.9%
- 65 to 74: 16.9%
- 75 years and older: 18.4%

Educational Levels:

- 20.5% of Texas' total population have less than a high school education
- 25.5% of Texas' total population are high school graduates
- 28.7% of Texas' total population have some college
- 25.3% of Texas' total population have a Bachelor's degree or higher
- 8.4% of Texas veterans have less than a high school education
- 24.7% of Texas veterans are high school graduates
- 39.6% of Texas veterans have some college
- 27.3% of Texas veterans have obtained a Bachelor's degree or higher¹⁴

¹⁴ United States Census Bureau, *Texas Veteran Status: 2008 American Community Survey 1-Year Estimates*, S2101 Veteran Status, 2008

The Texas Governor's Committee on People with Disabilities' Survey of Texas Veterans

The Committee developed the survey (appendix) to assess the current status and needs of Veterans with disabilities in Texas. The tool Survey Monkey was selected for its overall accessibility and user friendliness. Additional benefits of Survey Monkey included:

- Section 508 compliance
- Ease of use, no training necessary and a variety of templates
- Unlimited survey questions and unlimited surveys during the contract period
- The ability to run reports in multiple formats such as PDF, Excel, and HTML
- Support of multiple languages, and
- Various options for design reporting and analysis

Survey Results Analysis

There were 9,300 veterans who took the Texas Governor's Committee on People with Disabilities "*Veterans with Disabilities in Texas*" Survey over five months representing all 254 counties in Texas. The survey asked 20 questions. There were 10,410 open comments from veterans from the survey on various issues.

The veterans who took the survey are mainly male, 84.7% and 15.4% female. Most are English speaking, 98.7% and 3% Spanish speaking with 11 individuals who used American Sign Language. They are largely in the 25-64 age group with 88.6% of respondents. Most veterans are married representing 61.4% of survey respondents.

Most veterans, who took the survey, served or are currently serving between 2 to 4 years in the military and 81% of them have served in the most recent wars which were Operation Enduring Freedom (OEF), Operation Iraq Freedom (OIF), and Desert Storm.

In regards to disability, 43.1% who took the survey reported not having a disability; however, 40.8% reported having a disability and 18.4% believe they have a disability not yet diagnosed. Of those with a disability 77% have service connected disabilities.

Veterans with disabilities listed having a wide range of disabilities in the survey. Post Traumatic Stress Disorder (PTSD) was the highest reported disability which represented 28.8% of respondents. Hearing loss represented 28.5% of respondents which is consistent with reports from the Department of Defense. Veterans with disabilities listed mobility impairments as the third largest ranking disability with 26.1%. Under the survey definition, mobility impairment includes anyone who has an amputation, paralysis, stroke, multiple sclerosis, muscular dystrophy, arthritis or a spinal cord injury. Veterans report that 7.8% of them are currently homeless but also report that 23.1% have been homeless at some point in their lives. Most veterans or 66.7% of survey respondents live within an hour commute to the nearest Veterans Medical Center and 30.4% report more than an hour's commute.

Alarming, 55.8% of respondents reported being unemployed and out of those unemployed, 48.6% are currently seeking employment. Only 18%, of those who filled out the survey, are employed.

There are 45.3% of respondents with service related disabilities who report receiving VA disability compensation. Interestingly, 82% of veterans stated that they are not currently receiving any service related retirement benefits.

In regards to accessing educational accommodations, 42.9% of veteran respondents have used one or more of the following: note takers, accessible transportation, and extended testing time. The most accessed state provided benefit, was the GI Bill, with 37.3% taking advantage of this benefit.

In regards to Veterans Administration (VA) employment services, 26.4% of respondents have accessed this service and 22.4% of veterans report having benefitted from Texas state agencies' veterans hiring preference.

Only 15.5% of those taking the survey have taken advantage of state property tax exemptions and a mere 14.25% of respondents have utilized the Hazelwood Act benefits. Awareness of these benefits could be publicized, considering that 73.9% of respondents receive their news and information from the internet, 33.5% from television, and finally 30% from newsletter, magazines, and other print sources.

The survey asked two open-ended questions:

- *"In my opinion, veterans in Texas could benefit by...."*
- *"As a Veteran in Texas, I am pleased with"*

Because the committee received thousands of comments, we used Spotfire Analytics software to help us discern what issues were most important to veterans.

The results reveal that Texas veterans are pleased with the Hazelwood Act and the GI bill educational benefits, as well as, home loans and property tax exemptions. They expressed an appreciation for the support, recognition, assistance and benefits that the State of Texas has to offer as compared to other states. Many mention that the Texas Veterans Commission is particularly helpful in its employment assistance for veterans.

Texas veterans state they could benefit by better access to medical facilities, particularly in rural areas. They frequently commented on the long drives to VA Medical Centers in some areas of the state. They expressed a desire for more help and assistance in finding job, getting disability and unemployment benefits and more emphasis on the Veteran's First hiring policies. Many veterans expressed a need for more housing options and especially emergency/ transitional supportive housing and homelessness prevention.

Implications for the Future:

The survey finds that veterans in Texas need to be made more aware of the available services for which they qualify. Low percentages of veterans are aware of or take advantage of property tax exemptions and the Hazelwood Act benefits. Despite Texas being ranked the number one state for the hiring of veterans, more effort is needed to employ veterans with disabilities given the high percentage of unemployed veterans or veterans seeking employment. The Government Accountability Office estimated that four of five service members returning from duty in Iraq or Afghanistan are at risk but not referred for further evaluation for mental health conditions. According to the National Institute of Mental Health, some 70% of returning servicemen and servicewomen with PTSD will not seek treatment from the Department of Defense or Veterans Affairs.¹⁵

More effort is needed to evaluate returning veterans Post Traumatic Stress Disorder and Traumatic Brain Injury and to develop services to meet the need. Women serving in Iraq and Afghanistan are more likely to have been close to combat than during previous conflicts, indicating that women are experiencing issues they may not have had during previous wars. There is a need for returning Texas veterans to have appropriate evaluative screenings and related services for mental health care for veterans.

There were 30.9% of veterans who responded to our survey that they are currently homeless or have been homeless at least once in their lifetime. Nationwide, the U.S. Veteran's Administration (VA) estimates that approximately 154,000 veterans are homeless on any given night and as many as twice that number experience homelessness at some point during the course of a year.¹⁶

The federal government says that while veterans account for 10% of the total population, they make up about a third of the country's homeless population. Government reports suggest that there are many other veterans who are considered near homeless or at risk due to poverty, lack of support from family and friends, and poor living conditions in hotels or in substandard housing. The VA offers these characteristics of homeless veterans:¹⁷

- Almost all homeless veterans are male; three percent are women.
- Most homeless veterans are single, and most come from poor, disadvantaged backgrounds.
- Homeless veterans tend to be older and more educated than homeless non-veterans.
- Close to 45% of homeless veterans suffer from mental illness, similar to the general population of homeless adult males.
- Just over 70% of homeless veterans have alcohol or other substance abuse problems.

¹⁵ Houston Chronicle, *Veterans Need Mental Health Help*, State Rep. Sid Miller, October 24, 2010

¹⁶ United States Department of Veterans Affairs, *Project CHALENG: Partnering with Local Communities Nationwide to Serve Homeless Veterans*, July 2010

¹⁷ United States Department of Veterans Affairs, *Feature Articles: Studies Seek Best Ways to Draw Homeless Veterans into Primary Care*, January 2010

- Approximately 56% of homeless veterans are African American or Hispanic.
- The VA estimates that there are more Vietnam era veterans who are homeless than who died during that war.

While the number of homeless veterans has decreased by 40% since 2003, there is concern that the numbers will increase as military personnel begin returning from Iraq and Afghanistan. The U.S. Veterans Administration Committee on Homeless Veterans says there continues to be a modest but steady increase in the number of veterans who have served in Iraq or Afghanistan who are either homeless or at risk for becoming homeless. They found that outreach programs have identified 1,800 Iraq or Afghanistan veterans in need of housing. The Committee notes the various challenges in transitioning from positions held in the military to positions held in the civilian workforce as putting veterans at risk for employment difficulties and consequently, at risk for homelessness.¹⁸ It also acknowledges the mental and physical impact of war and the subsequent challenges some soldiers have in reentering civilian life. Returning veterans to Texas could benefit from a comprehensive psychosocial evaluation to discern risk for homelessness, mental health, housing, employment, and develop services accordingly.

Survey Recommendations for the Future:

- Include veterans in any discussions concerning veteran issues in the local communities in Texas.
- Encourage Texas universities to set aside work study programs for veterans.
- Educate the Texas business community on understanding the impact of war on returning veterans. Businesses can be reluctant to hire soldiers who are in the reserves because of the unpredictability of their schedules or those who have served during wartime because of Post Traumatic Stress Disorder.
- Educate Texas teachers regarding supportive interaction with students who have a parent in the military.
- Develop transitional, emergency, and supportive housing options for veterans in Texas.
- Create and support opportunities for veterans to connect with fellow veterans. Veterans who have served in combat often feel disconnected from their families and from the community and can often be best served by opportunities to connect with fellow veterans.
- Create a marketing and information program for returning veterans that educates them on all the services available in Texas through the Texas Veterans Commission.
- Foster efforts to utilize social media and the internet to provide a communication network of services for veterans with disabilities.

¹⁸ United States Department of Veterans Affairs, 2008 Annual Report of the Advisory Committee on Homeless Veterans

- Promote the use of technology to help veterans self-assess what services and resources available to them through the Texas Veteran's Commission.
- Develop a comprehensive psychosocial screening process for current and returning veterans that would help identify veterans who are at high risk of homelessness due to a mental or physical disability.
- Support public and private Texas initiatives to screen returning male and female soldiers for Traumatic Brain Injury and Post Traumatic Stress Disorder and make information and resources available that are necessary for rehabilitation, transition, and return to work and home in the community.
- Support the collaborative efforts of state and federal agencies to improve the timeliness, ease of application, and delivery of services and benefits to Texas veterans.
- Support the collaborative efforts of state and federal agencies to provide a variety of quality long-term care options for aging Texas veterans.
- Develop a multi-agency, comprehensive long term strategy in Texas to address the mental health needs of current and returning veterans.
- Develop a long term strategy in Texas to employ current and returning veterans.
- Increase access for female veterans to female related health services including mental health trauma care.
- Promote the use of Telemedicine to assist in providing health and mental health services to current and returning veterans in Texas.

Resources and Legislation Benefitting Veterans with Disabilities

Resource and Benefit Programs for Veterans

There are a variety of federal and state benefit and assistance programs available to Texas veterans. Listed below are some of the programs available to veterans and specifically veterans who have disabilities.

Programs All Texas Veterans Honorably Discharged May Qualify For:

- **Housing Loan:** Loans towards the purchase of a house.
http://www1.va.gov/opa/publications/benefits_book/benefits_chap05.asp
- **Financial Assistance:** Property tax exemptions.
<http://texas-veterans.com/claims/property-tax-exemption>
- **State Veterans Nursing Home:** Nursing homes below market value and medications available at reduced rates or no cost.
<http://texas-veterans.com/claims/concealed-handgun-license-fees>
- **Education and Training:** Education program for service members and veterans who actively served on or after September 11, 2001.
http://www1.va.gov/opa/publications/benefits_book/benefits_chap04.asp
- **Life Insurance:** Life insurance coverage for service members and plans available for veterans' spouses. The veteran's health is not evaluated until 120 days after service, coverage can be denied because of one's health after the 120 day period.
http://www1.va.gov/opa/publications/benefits_book/benefits_chap06.asp
- **Burial and Memorial Benefits:** Burial in a VA national cemetery for veterans, their spouses, and dependents at no cost to the family. Includes: gravesite, grave liner, opening and closing of grave, headstone or marker, and maintenance of gravesite.
http://www1.va.gov/opa/publications/benefits_book/benefits_chap07.asp
- **Transitional Assistance and Employment Counseling:** Assists veterans' transitions back into the workforce.
<http://www.tvc.state.tx.us/about/employment>
- **Health Care Benefits:** Health care services for enrolled veterans; priority rating assigned based on person with service connected disability, psychological issues, sexual trauma, geographic location, and income.
http://www1.va.gov/opa/publications/benefits_book/benefits_chap01.asp
- **Agent Orange Fast Track Claims Processing System:** Application for disability compensation for veterans who have chronic b-cell leukemia, Parkinson's disease or ischemic heart disease due to exposure to Agent Orange.
<https://www.fasttrack.va.gov/AOFastTrack/home.do>

- **VA Pensions:** Veterans with low income and who are either permanently or totally disabled or age 65 and older may qualify for monetary support.
http://www1.va.gov/opa/publications/benefits_book/benefits_chap03.asp
- **Disabled Veteran Outreach Program:** Services to veterans with disability who face barriers to employment.
<http://www.tvc.state.tx.us/about/employment>
- **Veterans Hiring Toolkit for Employers:** Toolkit designed to assist and educate employers through the process of hiring veterans.
<http://www.americasheroesatwork.gov/forEmployers/HiringToolkit>
- **Texas Veterans Honorably Discharged Exposed to the Following Environmental Hazards and Their Qualifying Family Members May Receive Compensation and Health Care Benefits:** A variety of exposures and benefits can be found at:
<http://www.publichealth.va.gov/exposures/>
- **US Department of Veterans Affairs**
<http://www.va.gov/>
- **List of Federal Benefits for Veterans, Dependents and Survivors**
http://www1.va.gov/opa/publications/benefits_book.asp
- **Veteran Federal Benefits Phone Numbers and Web Sites**
http://www1.va.gov/opa/publications/benefits_book/benefits_contacts.asp
- **Federal Disability Programs and Benefits**
<http://www.ssa.gov/disability/>
- **Government Information on Disability**
<http://www.disability.gov/>
- **Disabled American Veterans (DAV)**
<http://www.dav.org/>
- **DAV Benefits Assistance**
<http://www.dav.org/veterans/Default.aspx>
- **DAV Transitional Service Offices**
<http://www.dav.org/veterans/TSOffices.aspx>
- **Military Benefits**
<http://www.militarybenefits.com/>

Federal Legislation Affecting Veterans with Disabilities

The 111th Congress has passed a significant amount of legislation directly affecting veterans and veterans with disabilities. According to Jimmie Foster, national commander of the American Legion, *“The 111th Congress may be remembered for banner legislation such as health-care reform, financial regulation and the recovery act but, in our view, the real successes were the passage of bills that affected nearly every veteran in America.”* The following are names of legislation passed from the 111th Congress affecting veterans and a link to the laws description:¹⁹

- **U.S. Department of Veteran Affairs’ 2010 Budget**
http://www.whitehouse.gov/omb/fy2010_department_veterans/
- **H.R. 3590, Patient Protection and Affordable Care Act**
<http://www.govtrack.us/congress/bill.xpd?bill=h111-3590&tab=summary>
- **P.L. 111-163, Caregivers and Veterans Omnibus Health Services Act of 2010**
<http://veterans.house.gov/legislation/111th/S1963summaryforfloor.pdf>
- **H.R. 3219, Veterans Benefits Act of 2010**
<http://veterans.house.gov/legislation/111th/HR3219summaryforfloor.pdf>
- **S. 407, Veterans’ Compensation Cost-of-Living Adjustment Act of 2009**
<http://veterans.house.gov/legislation/111th/S407summaryforfloor.pdf>
- **H.R. 3219, Veterans’ Insurance and Health Care Improvement Act of 2009**
<http://veterans.house.gov/legislation/111th/HR3219summaryforfloor.pdf>
- **Veterans with Service-connected Disabilities in the Workplace and the Americans with Disabilities Act (ADA)**
www.eeoc.gov/facts/veterans-disabilities.html
- **Accommodating Service Members and Veterans with PTSD**
www.jan.wvu.edu/corner/vol03iss02.htm or 800-526-7234
- **The Vietnam Era Veterans' Readjustment Assistance Act (VEVRAA)**
<http://www.dol.gov/compliance/laws/comp-vevraa.htm>

Texas Laws Affecting Veterans with Disabilities

The Texas Legislature also passed laws affecting Texas veterans and Texas veterans with disabilities. The following lists legislation by bill number, a brief description, and a link to the law’s summary affecting Texas veterans:

¹⁹ The American Legion, [111th Congress Achieves Banner Year on Veterans Legislation](#), October 2010

- **House Bill 269**
Summary: This law requires higher education institutions to award to a student course credit for military service. The credit could count toward all physical education courses required by an institution for a degree, and up to 12 elective course credits for courses outside the student's major or minor. It would apply to a student who withdrew to perform active military service and was readmitted.
- **House Bill 1452**
Summary: Amends previous language to give employment assistance and training services to active service members, veterans, and spouses of veterans who died while serving.
- **House Bill 1805**
Summary: Adds an exception to the prohibition against hunting a game animal or bird with the aid of an artificial light by authorizing a person with a documented permanent physical disability that renders the person incapable of using a traditional firearm sighting device to use a laser sighting device.
- **House Bill 2020**
Summary: Authorizes a vehicle to be parked for an unlimited period in a parking space or area designated for the disabled if the vehicle displays license plates issued by another state of the United States indicating that the owner or operator of the vehicle is a disabled veteran of the United States armed forces.
- **Senate Bill 90**
Summary: The State of Texas enters into the Interstate Compact on Educational Opportunity for Military Children. This means Texas will collect and share member of the military and veterans' children's education and related records between member states.
- **Senate Bill 297**
Summary: Allows veterans who were not Texas residents but who qualified for the federal Post-9/11 Veterans Education Assistance Act of 2008 and other federal veterans education assistance, as well as their spouses and children or step-children under the age of 25, to pay in-state tuition at Texas colleges and universities without regard to the length of time the person had resided in the state.
- **Senate Bill 1325**
Summary: Requires the Department of State Health Services to develop, not later than January 1, 2010, a mental health intervention program for veterans that includes peer-to-peer counseling.

State of Texas Information for Veterans:

- **List of Texas State Veteran's Benefits**
<http://www.military.com/benefits/veteran-benefits/texas-state-veterans-benefits>
- **Texas Veterans Commission**
<http://www.tvc.state.tx.us/>
- **Texas Veterans Commission Claims Representation and Counseling**
<http://www.tvc.state.tx.us/about/claims-representation-and-counseling>
- **Texas Claims Offices' Contact Information**
http://www.tvc.state.tx.us/images/uploads/about/claims_office_listing.pdf

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- Christopher McMillan, Data Analyst, Bank of America

Texas Governor's Committee on People with Disabilities Committee Members who are Veterans:

- **Patty Watson** of Flower Mound is an Enterprise Resiliency Executive for Bank of America. She is executive sponsor of Bank of America's North Texas Disability Affinity Group and a member of the Lime Connect Board of Directors, a company that places people with disabilities in quality jobs throughout the country. She is also a volunteer coach for the Greater Lewisville Area Soccer Association. Watson served in the U.S. Air Force. She received a bachelor's degree from Saint Mary's College at Notre Dame and a Master Business Administration from the University of Dayton in Ohio.
- **Alan Richard Babin, Jr.** of Round Rock is a retired United States Army Veteran medic. He was awarded the Bronze Star with 'V' for Valor and the Purple Heart. He is a member of the American Legion, the Veteran's of Foreign Wars, The Retired Enlisted Association and the Texas Paralyzed Veteran's Association.
- **David A. Fowler** of Katy is a retired U.S. Army Veteran. He is the National Director of Paralyzed Veterans of America and the President of the Texas Chapter of the Paralyzed Veterans of America. He's served as the Vice President and Advocacy Director of the Texas Chapter Paralyzed Veteran's Association and as a commissioner on the Houston Commission on Disabilities. Fowler is a member of the Houston Veteran's Association, the Disabled American Veterans and the 82nd Airborne Association. Fowler attended Houston Community College.
- **Brian D. Shannon** of Lubbock is a professor of law at the Texas Tech University School of Law. He is a past president of the Lubbock County Bar Association and an elected member to the American Law Institute. He is a member of the American Bar Association, the Lubbock Regional Mental Health and Mental Retardation Board of Directors and the Lubbock Dispute Resolution Center Advisory Board. Shannon was named the 2004 Outstanding Alumnus from Angelo State University. He served in the United States Air Force and received a bachelor's degree from Angelo State University. Shannon also received a law degree from the University of Texas at Austin.

State & County QuickFacts

Kerr County, Texas

People QuickFacts	Kerr County	Texas
Population, 2011 estimate	NA	25,674,681
Population, 2010	49,625	25,145,561
Population, percent change, 2000 to 2010	13.7%	20.6%
Population, 2000	43,653	20,851,820
Persons under 5 years, percent, 2010	5.2%	7.7%
Persons under 18 years, percent, 2010	20.2%	27.3%
Persons 65 years and over, percent, 2010	24.8%	10.3%
Female persons, percent, 2010	51.5%	50.4%
White persons, percent, 2010 (a)	87.7%	70.4%
Black persons, percent, 2010 (a)	1.8%	11.8%
American Indian and Alaska Native persons, percent, 2010 (a)	0.7%	0.7%
Asian persons, percent, 2010 (a)	0.8%	3.8%
Native Hawaiian and Other Pacific Islander, percent, 2010 (a)	Z	0.1%
Persons reporting two or more races, percent, 2010	2.1%	2.7%
Persons of Hispanic or Latino origin, percent, 2010 (b)	24.0%	37.6%
White persons not Hispanic, percent, 2010	72.2%	45.3%
Living in same house 1 year & over, 2006-2010	81.7%	81.5%
Foreign born persons, percent, 2006-2010	6.6%	16.1%
Language other than English spoken at home, pct age 5+, 2006-2010	18.3%	34.2%
High school graduates, percent of persons age 25+, 2006-2010	86.2%	80.0%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	27.0%	25.8%
Veterans, 2006-2010	6,561	1,635,367
Mean travel time to work (minutes), workers age 16+, 2006-2010	18.9	24.8
Housing units, 2010	23,831	9,977,436
Homeownership rate, 2006-2010	73.6%	64.8%
Housing units in multi-unit structures, percent, 2006-2010	11.0%	24.1%
Median value of owner-occupied housing units, 2006-2010	\$129,600	\$123,500
Households, 2006-2010	20,285	8,539,206
Persons per household, 2006-2010	2.31	2.78

Per capita money income in past 12 months (2010 dollars) 2006-2010	\$25,454	\$24,870
Median household income 2006-2010	\$43,072	\$49,646
Persons below poverty level, percent, 2006-2010	14.1%	16.8%

Business QuickFacts	Kerr County	Texas
Private nonfarm establishments, 2009	1,421	519,028 ¹
Private nonfarm employment, 2009	15,346	8,925,096 ¹
Private nonfarm employment, percent change 2000-2009	7.2%	11.2% ¹
Nonemployer establishments, 2009	4,797	1,844,130
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Total number of firms, 2007	6,312	2,164,852
Black-owned firms, percent, 2007	S	7.1%
American Indian- and Alaska Native-owned firms, percent, 2007	F	0.9%
Asian-owned firms, percent, 2007	S	5.3%
Native Hawaiian and Other Pacific Islander-owned firms, percent, 2007	F	0.1%
Hispanic-owned firms, percent, 2007	8.9%	20.7%
Women-owned firms, percent, 2007	23.2%	28.2%
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Manufacturers shipments, 2007 (\$1000)	161,752	593,541,502
Merchant wholesaler sales, 2007 (\$1000)	D	424,238,194
Retail sales, 2007 (\$1000)	719,852	311,334,781
Retail sales per capita, 2007	\$15,159	\$13,061
Accommodation and food services sales, 2007 (\$1000)	97,589	42,054,592
Building permits, 2010	41	88,461
Federal spending, 2009	438,119	216,379,449 ¹
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Geography QuickFacts	Kerr County	Texas
Land area in square miles, 2010	1,103.32	261,231.71
Persons per square mile, 2010	45.0	96.3
FIPS Code	265	48
Metropolitan or Micropolitan Statistical Area	Kerrville, TX Micro Area	

1: Includes data not distributed by county.

Population estimates for counties will be available in April, 2012 and for cities in June, 2012.

(a) Includes persons reporting only one race.

(b) Hispanics may be of any race, so also are included in applicable race categories.

D: Suppressed to avoid disclosure of confidential information

F: Fewer than 100 firms

FN: Footnote on this item for this area in place of data

NA: Not available

S: Suppressed; does not meet publication standards

X: Not applicable

Z: Value greater than zero but less than half unit of measure shown

Source U.S. Census Bureau: State and County QuickFacts. Data derived from Population Estimates, American Community Survey, Census of Population and Housing, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits, Consolidated Federal Funds Report
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