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DRAFT

Environmental Assessment
Texas State Veterans Home
Houston, Harris County, Texas
TxGLO No.116001

1700 N. Congress Avenue
Austin, Texas 78701

June 2016

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1. INTRODUCTION

This Environmental Assessment (EA) is intended to fulfill the requirements of the National Environmental Policy Act (NEPA), as set forth in the Code of Federal Regulations (CFR), Chapter 40, Parts 1500-1517, July 2, 1992. This EA conforms to the U.S. Department of Veterans Affairs (USDVA), Office of Facilities Management, *Environmental Compliance Manual* (Manual), updated July 1998 (38 CFR Part 26). The format of this EA was derived from the Manual.

1.1. Project Description

On May 16, 2016, the Texas General Land Office (GLO) and Texas Veterans Land Board (VLB) released a request for proposal (RFP) (No. X0009462-DF) for general construction services for a Texas State Veterans Home in Houston, Texas.

The proposed project would construct a community living center for the Texas Veterans Land Board and Texas General Land Office. The proposed project site is approximately 18.2 acres total. The living center would be approximately 136,000 square feet and built on an approximately 18.2-acre tract. The proposed living center would have 120 units and a staff of 140 to 160 full-time employees.

The State Veterans Home - Houston site is located just within the southern city limit of Houston in Harris County, Texas (**Exhibit 1**). Beltway 8 is located south of the project site. The project site is bound on all sides by undeveloped property (**Exhibit 2**). The site is located on the Pearland, Texas, U.S. Geological Survey (USGS) 7.5-minute quadrangle (**Exhibit 3**). The State Veterans Home - Houston would serve eligible Texas veterans who have served in the United States Armed Forces and who now require skilled nursing care.

The State Veterans Home - Houston has been designed to provide veterans of this area with a suitable living facility and skilled nursing care. The facility would be an approximately 136,000 square foot, single-story building with 120 nursing beds, including a 30-bed memory support unit. The living center will feature four wings, with each wing containing three “small house” concepts (**Exhibit 7**). Each “small house” will accommodate ten residents and include a kitchen, dining room, and living room. The facility will also include an outdoor garden, patio, bistro, library, chapel, and a multi-purpose room.

1.2. Purpose and Need Analysis

The purpose of this project is to construct a community living center on properties own by the State of Texas and provide veterans a suitable living facility with skilled nursing care. As of September 30, 2014, the veteran population in Texas was approximately 1,496,700. Approximately 615,500 of these veterans were age 65 or older (USDVA 2014). As the veteran population ages, the need for veteran living facilities and healthcare will increase. The State Veterans Home - Houston would help meet the housing and healthcare needs of Texas veterans.

The Houston area currently lacks a veterans living facility. Texas has eight veterans living facilities, located in Tyler, Bonham, Big Spring, McAllen, Floresville, Temple, Amarillo, and El Paso. The William R. Courtney Texas State Veterans Home in Temple, TX is the veterans living facility nearest to the Houston area; this facility is located approximately 170 miles from Houston.

2. ALTERNATIVES

2.1. Proposed Action

The proposed project would construct a community living development for the Texas Veterans Land Board. The proposed living center would serve 120 veterans. The approximately 18.2-acre site is located in southern Harris County, within Houston city limits and just north of Beltway 8 (**Exhibit 1**).

2.2. No-Action Alternative

Under the no-action alternative, the State Veterans Home - Houston would not be built to serve Texas veterans in the region. Currently, there is no community living center for veterans in the Houston area. Existing veteran living centers are located in Tyler, Bonham, Big Spring, McAllen, Floresville, Temple, Amarillo, and El Paso. Selection of the no-action alternative would place hardship on Houston-area veterans and their families. For these reasons, the no-action alternative is not considered an acceptable alternative to meet the purpose and need of the project.

3. ENVIRONMENTAL SETTING

The proposed community living project site occupies approximately 18.2 acres of undeveloped land located north of the intersection of Beltway 8 Frontage Road and Cottingham Road (**Exhibit 2**). The proposed project site is bound by undeveloped land on all sides. Beltway 8 is 0.2 miles south of the project site, and light residential development is present in the vicinity of the project site.

3.1. Aesthetics

The term aesthetics refers to the subjective perception of natural beauty in a landscape by attempting to define and measure an area's scenic qualities. Consideration of the visual environment includes a determination of aesthetic values (where the major potential effect of a project on the resource is considered visual) and recreation values (where the location of a project could potentially affect the scenic enjoyment of the area). Aesthetic values considered in this analysis, which combine to give an area its aesthetic identity include:

- Topographical variation (hills, valleys, etc.);

- Prominence of water in the landscape;
- Vegetation (forests, pasture, etc.);
- Diversity of scenic elements;
- Degree of human development or alteration; and
- Overall uniqueness of the scenic environment compared with the larger region.

The proposed living center site exhibits a low to moderate level of aesthetic quality. Topography ranges from 50 to 54 feet above mean sea level, indicating minimal variation in relief. Within the project site, the prominence of water in the landscape is limited to rainwater sheeting and ephemeral runoff. The vegetation setting throughout the project site is characterized by dense thickets of native and exotic shrubs, trees, and woody vines. Surrounding properties primarily consist of undeveloped land, agricultural pastures, and light residential development. A spring-fed pond is located immediately north of the project site. The scenic environment is relatively similar to other surrounding environments. Photographs taken during the May 2016 site visit can be found in **Appendix A**.

3.2. Air Quality

Harris County is currently classified as marginal nonattainment for ozone (2008 eight-hour standard) under the National Ambient Air Quality Standard (NAAQS). Harris County is designated as attainment/unclassifiable for lead (Pb), carbon monoxide (CO), nitrogen dioxide (NO_2), particulate matters (PM_{10} and $PM_{2.5}$), and sulfur dioxide (SO_2).

Section 176(c)(1) of the Clean Air Act requires federal agencies to ensure that their actions conform to applicable implementation plans for the achievement and maintenance of the NAAQS for criteria pollutants (DOE 2000). To achieve conformity, a federal action must not contribute to new violations of standards for ambient air quality, increase the frequency or severity of existing violations, or delay timely attainment of standards in the area of concern. The EPA general conformity regulations (40 CFR 93, Subpart B) contain guidance for determining whether a proposed federal action would cause emissions to be above specified levels in nonattainment or maintenance areas.

The proposed project would occur in an area that is in marginal nonattainment for ozone. For an area of "other ozone nonattainment area outside an ozone transport region," a conformity determination is not required if project emission of nitrogen oxides (NOx) and volatile organic compounds (VOCs), which are ozone precursors, are less than 100 tons per year. Emissions associated with the proposed project would be limited to fugitive dust and equipment exhaust from construction and landscaping. Internal combustion engines using either gasoline or diesel fuel emit NOx or VOCs, but the limited duration and size of the project would result in relatively minor quantities of these air pollutants. For example, according to EPA emission factors (AP-42

– Compilation of Air Pollutant Emission Factors) for internal combustion engines, a piece of equipment with a moderately large 300 horsepower (HP) gasoline engine could run for 8 hours a day for a full year and would emit approximately 4.8 tons of NOx and no more than 9.5 tons of VOCs. In the case of a 300 HP diesel engine under the same conditions, emissions of NOx would be approximately 13.6 tons and VOCs emissions would be no more than 1.1 tons. The proposed project would be expected to involve more than a single piece of equipment, however the construction period would be a matter of several weeks, and it is unlikely the equipment would run for 8 hours a day during the short construction period. It is clear the proposed project would not involve either NOx or VOC emissions that approach the 100 ton threshold and, as a result, a conformity determination is not necessary.

3.3. Community Service

No community facilities currently exist at the proposed project location. The project is within the Houston city limits. Local government and emergency services, such as police and fire, are provided by the City of Houston. Public education for the area is provided by Houston Independent School District (HISD).

3.4. Cultural Resources

The project area is located in Harris County, Texas, which is in the Gulf Coastal Plains physiographic region (Wermund 1996). The Texas Coastal Plain is a low, level to gently sloping region extending from Florida to Mexico, as far north as the Ouachita uplift in Oklahoma and as far west as the Balcones escarpment.

Prehistoric

The Paleoindian period, generally accepted as the earliest cultural period of the Americas, straddles the end of the Pleistocene era and the beginning of the Holocene. This period is alternative known as the time of the “Big Game Hunting” tradition, due to the exploitation of the now-extinct species of Pleistocene megafauna such as mastodon, mammoth, bison, horse, and camel. However, few megafaunal assemblages have been found in association with Paleoindian sites in Texas, and it is thought that Paleoindian people probably largely subsisted on a wide range of plants and small game (Patterson 1995). Coastal Paleoindian sites represent inland occupations as the coastline during this time extended 30-40 kilometers beyond its present day location (Ricklis 2004). Generally, temporal associations are based on stone tool assemblages including unifacial side scrapers, gravers, and lanceolate projectile points. A number of Paleoindian points (Clovis, Scottsbluff, Plainview, Angostura, San Patrice, and Meserve points) have been found in Harris County.

The beginning of the Archaic Period coincides with the termination of the Wisconsin Glacial period characterized by warmer temperatures, rising sea levels, and the extinction of Pleistocene megafauna. This period is divided into three sub-periods: Early, Middle, and Late. Very few Early Archaic (8,800 B.P. to 5,000 B.P.) sites have been identified in the region possibly due to

lower population densities during this transitional period, though since sea levels had not reached modern levels by this time, it is probable that coastal sites associated with the Early Archaic are underwater and/or deeply buried. Those Early Archaic sites identified tend to be located along the inner coastal plain (Story 1990). The changing environmental conditions during this period were the impetus for a growing new ecosystem exploited by early inhabitants of the region who are thought to have relied heavily upon the hunting of smaller animals, gathering of plant resources, and the exploitation of marine resources. As demonstrated by a number of shell middens dating to this period documented in the middle Texas Gulf Coast (Ricklis 2004). As diets changed, so did the stone tool technology used to procure and process these new plants and animals. In general, Archaic people began to make their projectile points with stems and points as the lanceolate form fell from use. These changes in stone tool technology are evident on the Early Archaic points found in the region: Bell, Trinity, and Carrolton points (Patterson 1995).

It is postulated that during the Middle Archaic (5,000 to 3,000 B.P.), population increases and the ubiquitous variety of artifact assemblages denote emerging social and exchange relationships based on group territoriality (Aten 1983) and some limiting of group mobility. New points associated with this expansion in technology include Bulverde, Lange, Pedernales, Williams, and Travis. Middle Archaic sites are more frequent along the coast and shell middens are an important expression of subsistence activities during this period. Organized mortuary practices first appear at this time in the western part of southeast Texas, though it did not reach full development until the Late Archaic (Ricklis 2004).

During the Late Archaic (3,000 to 1,200 B.P.), population increased significantly, as evidenced by an increase in the number of sites as well as intra-site artifacts (Aten 1982). This corresponds to the development of modern climactic conditions leading to the stabilization of sea levels, and expansion of coastal woodlands. Hall (1981) noted the development of trade with Woodland cultures to the east during the Late Archaic as seen in the various artifact assemblages from multiple sites in the region. Limited evidence suggests a settlement system for the Late Archaic which may have included a seasonal round with group dispersal in coastal areas during summer months (Aten 1983). However, the occurrence of shell middens at Late Archaic sites is not as common as at later sites (Patterson 1995). Cemeteries located along major streams from this period seem to indicate a higher degree of territoriality (Story 1985). Projectile points diagnostic of Late Archaic occupations include Gary, Kent, Yarbrough, Ellis, Darl, Fairland, Palmillas, and Refugio types (Patterson 1995).

The Late Prehistoric Period spans the period from the introduction of ceramics to after the arrival of Europeans. Following Wheat's (1953) observations in Addicks Reservoir, the period has been termed the Early Ceramic and the Late Ceramic. Notable innovations during this period include the development of the development of ceramics. The period is characterized by the appearance of sandy-paste pottery across the region referred to as the Mossy Grove Tradition (Aten 1983, Story 1990). The primary characterization of this tradition is the plain, sandy-paste Goose Creek pottery found in this region from the Early Ceramic through Early Historic periods (Story 1990). Another important innovation was the development of the bow and arrow. However, Patterson

(1995) postulates that the bow and arrow were in use in Southeast Texas as early as the Middle Archaic. Stone tool technology evolved in step with this new innovation and Late Prehistoric people made their stone points smaller and more diverse in form depending on the game animals hunted. Some of these stone arrow points include Edwards, Scallorn, Zavala, Perdiz, Cuney, Padre and Alba types. Settlement patterns shifted during this time as sedentary and horticultural communities became more common. With the emergence of social and ritual ceremonies, and more defined intraregional differences resulting in the establishment of group territories along major streams (Aten 1983, Patterson 1987). Clear Creek falls within the western margin of one such territory termed the Galveston Bay area (Aten 1983).

Historic

The historic period begins with the initial contact between native people and European explorers. The first European explorer to reach Texas was Alvar Nunez Cabeza de Vaca during the 1528 Narvaez Expedition of the Gulf coast. Cabeza de Vaca was stranded in Texas for eight years travelling throughout Texas and Mexico meeting different Native American groups. He was eventually rescued and went back to Spain. During his journey, Cabeza de Vaca documented numerous groups of people, their customs, and cultural differences (Chipman 2015). Although, Texas and much of the southeast was claimed by Spain, the French exploration and attempted colonization in the late 1600s led the Spanish to increase their colonization efforts. Subsequent Spanish entradas in Texas began during the early 1700s with the establishment of the Spanish missions. During the mid-18th century the Spanish attempted to firm up their control of eastern Texas in response to the increased French trade with the natives along the Red River and the founding of New Orleans in 1718. However, the Spanish were never able to successfully establish a permanent colony or mission in eastern Texas. By 1803, Spain had ceded Louisiana to the French who in turn sold it a month later to the United States. By this time, not only French but American and English colonists began actively settling eastern and southeastern Texas. Shortly afterward, Mexico gained its independence from Spain with the help of Anglo-Americans living in Texas (Henson 2010, Nue 2015).

Mexican independence caused a rush of immigrants from the east, many of whom received emprassario contracts allowing them to settle in Texas. Several of these people became important figures in Texas' independence, including Stephen F. Austin and David G. Burnet (Henson 2010, Nance 2016). Texas gained its independence from Mexico in 1836, following the Battle of San Jacinto, where Sam Houston's forces caught Mexican General Santa Anna off guard. The resulting defeat forced Mexico to sign a peace treaty in Velasco on May 14, 1836, establishing the Republic of Texas. The resulting peace and removal of immigration limitations caused an explosion in the populations of Texas especially along the coast, with many immigrants coming through Galveston and Matagorda (Henson 2010, Nance 2016).

Harris County was formed in December of 1836 as Harrisburg County. The history of the county is directly tied to that of Houston's growth. Augustus and John Allen founded the "Town of Houston" in 1836 named after Sam Houston. Incorporated in 1837, the town became the

temporary capital of the Republic of Texas (McComb 2015). After the revolution, Harris counties recovery was slow with economic centers focused on the coast. Trading posts began to stretch out into the interior as far west as Waco, and Steam boat travel along some of the rivers helped increase traffic to the interior of Texas. With the annexation of Texas by the United States in 1847, commercial traffic and immigration to Texas increased, and many people began to move into the areas outside of Houston (Henson 2010).

Pearland began as an agricultural community along a siding switch of the Gulf, Colorado and Santa Fe Railway in 1882. Initially called Mark Belt, the small community was renamed Pearland in 1893 after its plethora of pears trees. With the hurricanes of 1900 and 1915 and subsequent blights, Pearland suffered heavy agricultural losses causing many residents to move away (Allbright 2007). Those that stayed began rice farming and by the 1940's, the area was the nation's leading rice producer. In the 1930's, oil was discovered at the Hastings, Friendswood, and Manvel oilfields greatly benefiting neighboring Pearland (Brazoria County Historical Museum and Commission 1986). Despite Pearland's successes in agriculture, it remained a relatively small farming community well into the 1960s when population began to grow as the area became a bedroom community for Houston (Allbright 2007).

Previous Investigations

There are no previously conducted surveys within the APE. Five previously conducted surveys and a data recovery project have taken place within 0.62 mile (1 km) of the APE. The previously conducted surveys are all south of the APE.

3.5. Floodplains, Wetlands, and Watersheds

According the Federal Emergency Management Agency's (FEMA 1985) Flood Insurance Rate Map (Panel 48201C1030L, effective 6/18/07), there are no floodplains within the proposed project site (**Exhibit 2**). A review of the U.S. Geological Survey (USGS) topographical map (Pearland, Texas quadrangle) did not identify any streams or wetlands within the project boundary (**Exhibit 3**).

The U.S. Army Corps of Engineers (USACE), under Section 404 of the Clean Water Act, regulates waters of the U.S., which include, but are not limited to, territorial seas, lakes, rivers, streams, oceans, bays, ponds, and other special aquatic features including wetlands. The USACE uses the regulatory phrase "ordinary high water mark" (OHWM) in describing the jurisdictional boundaries of a stream. This phrase refers to the established line on the bank or shore indicated by the fluctuation of water, and an average width is determined. Wetlands, in a broad sense, are transitional areas between terrestrial and aquatic systems where the water table is usually at or near the ground surface, or where the land is covered by shallow water (Cowardin *et al.* 1979). The USACE and the U.S. Environmental Protection Agency (EPA) jointly define wetlands as "areas that are inundated or saturated by surface or groundwater at a frequency and duration to support, and under normal circumstances do support a prevalence of vegetation that is typically

adapted for life in saturated soil conditions; wetlands generally include swamps, marshes, bogs, and similar areas" (Environmental Laboratory 1987). The *U.S. Army Corps of Engineers 1987 Wetland Delineation Manual Technical Report Y-87-1* outlines the USACE-approved methods and techniques for the identification and delineation of wetlands.

The U.S. Fish and Wildlife Service's (USFWS) National Wetland Inventory (NWI) map does not identify any wetlands within the boundary of the project site (**Exhibit 4**). Site reconnaissance confirmed that no potentially jurisdictional streams or wetlands are present within the project site.

3.6. Geology and Soils

Houston is located within the eastern part of the Gulf Coastal Plains Physiographic Province (Bureau of Economic Geology 1996). The project area is located within the Coastal Prairies subprovince, which begins at the Gulf of Mexico shoreline and consists of young (Tertiary to Quaternary age), deltaic sands, silts, and clays. The physiography of the surrounding area is characterized as flat, with a mixture of undeveloped, light residential, and industrial properties. The proposed project area is generally flat, and surface water drains generally southeast. Surface elevations within the proposed project site range from approximately 50 ft to 54 ft above mean sea level (**Exhibit 2**).

The proposed project site is located within two sub-types of the Beaumont Formation; Beaumont Formation (sand; Qbs) and Beaumont Formation (clay; Qbc) (**Exhibit 6**). The Qbs consists primarily of unconsolidated sand with some silt. It can be yellow to brownish-gray and reddish orange. Thickness ranges from 10 to 33 feet on the surface, thickening in the subsurface up to 330 feet. The Qbc consists primarily of unconsolidated clay or mud with some silt and has a low permeability. It is light gray and bluish to greenish-gray and can contain organic matter and iron nodules. Thickness ranges from 16 to 33 feet on the surface, thickening in the subsurface up to 330 feet.

Two different soils, Bernard-Edna complex (0 to 1 percent slopes) and Bernard clay loam (0 to 1 percent slopes, were mapped within the proposed project area by the Natural Resources Conservation Service (NRCS 2013) (**Table 1**; **Exhibit 5**). None of these soils is described as hydric, and both soils are described as prime farmland.

Table 1. Soil units within the proposed project site according to the NRCS Web Soil Survey.

Mapping Unit	Hydrologic Soil Group	Drainage Class	NRCS Hydric Rating	Farmland Classification
Bernard clay loam, 0 to 1 percent slopes (Bd)	D	Somewhat poorly drained	Non hydric	All areas are prime farmland
Bernard-Edna complex, 0 to 1 percent slopes (Be)	D	Somewhat poorly drained	Non hydric	All areas are prime farmland

3.7. Hydrology, Water Quality

The proposed project site is located in the San Jacinto-Brazos Basin, which lies on the coastal plain between the San Jacinto River and Brazos River and drains into Galveston Bay, West Bay, and Christmas Bay. The total drainage area is 1,740 square miles. Slope is generally 1% or less with elevations ranging from 50 ft. to 54 ft. above mean sea level.

3.8. Land Use and Recreation

The proposed project site is currently undeveloped. Approximate elevation ranges from 50 ft. to 54 ft. above mean sea level, and surface drainage generally flows southeast. The project site is bound by undeveloped property on all sides. Residential development is present further north of the property, and Beltway 8 is located just south of the project site. A review of the Texas Outdoor Recreational Inventory (TORI), the Texas Outdoor Recreational Plan (TORP), and federal, state, and local maps did not identify any public or private recreational facilities at the proposed site (TPWD 1990; TPWD 2012). The nearest public recreational facility, Christia V. Adair County Park, is located approximately 0.8 miles southwest of the project site at 15107 Cullen Blvd. A private recreational facility, 288 Lake, is located immediately north of the project site.

3.9. Noise

Noise is defined as unwanted sound that disrupts or interferes with normal activities, or that diminishes the quality of the environment. Noise is usually caused by human activity and is added to the natural acoustic setting of an area. Exposure to high levels of noise over an extended period can cause health hazards, such as hearing loss; however, the most common human response to environmental noise is annoyance. Individuals respond to similar noise events differently based on various factors that may include the existing background level, noise character, level fluctuation, time of day, perceived importance of the noise, appropriateness of the setting, and sensitivity of the individual.

In order to measure sound in a manner similar to human perception, an adjustment known as “A” weighting is used. All regulatory agencies require that measurements are taken using the A-weighted sound level (dBA).

Although A-weighted sound measurements indicate a level of environmental noise at any given time, community noise levels vary constantly. Typical noise environments consist of numerous noise sources that vary and fluctuate over time. Because of the varying noise levels within a community, it is necessary to use a description called the equivalent sound level (L_{eq}). L_{eq} is the average sound level, in decibels, for any time period under consideration.

The EPA has developed the day-night level (L_{dn}), which is defined as the A-weighted average sound level for a 24-hour period. It is calculated by adding a 10-dBA penalty for nighttime

(10:00 PM to 7:00 AM) sound levels to account for increased sensitivity to noise during the evening hours.

Land uses such as housing, religious, educational, and medical facilities are more sensitive to increased noise levels than commercial and industrial land uses. Noise-sensitive areas near the project site are residential and recreational areas. The existing noise environment of these communities is affected by a number of sources, most of which are transportation-related (i.e., roadway, etc.). An active quarry is located approximately 0.2 miles west of the proposed living center site. This quarry should only be active during daytime hours and thus should not cause an adverse impact with respect to noise.

3.10. Potential for Generating Substantial Controversy

As of June 10, 2016, there has not been any controversy or opposition to the proposed project. In a June 1, 2016 press release, Houston mayor Sylvester Turner and Texas Land Commissioner George P. Bush gave their support of the proposed project.

The following agencies and offices have been contacted regarding the proposed project: U.S. Army Corps of Engineers – Galveston District, U.S. Environmental Protection Agency – Region 6, U.S. Fish and Wildlife Service, Federal Emergency Management Agency, Federal Aviation Administration, Texas Department of Transportation, Texas Commission on Environmental Quality, Texas Historical Commission, Texas Parks and Wildlife Department, Texas Water Development Board, Natural Resources Conservation Service, Houston-Galveston Area Council, the Harris County Precinct 7 judges, the Harris County Precinct 1 Commissioner, the Superintendent of Houston Independent School District, and the City of Houston. A draft letter can be found in **Appendix C**.

3.11. Real Property

According to the Harris County Appraisal District (HCAD), the project site is part of a larger 137-acre tract owned by the State of Texas with an HCAD Account Number of 0410840000086. The legal description for the site is as follows: Lots 1, 2, 3, 4 & 8, 9, 10, 11 Sec. B & Lots 3, 4, 5, 6 & 15, 16,17, 18 & 24 Thru 29 & 33 Thru 38 * TR 19 Sec. C, Abstract 128 M C Bulrice (**Appendix D**).

3.12. Socioeconomic Considerations

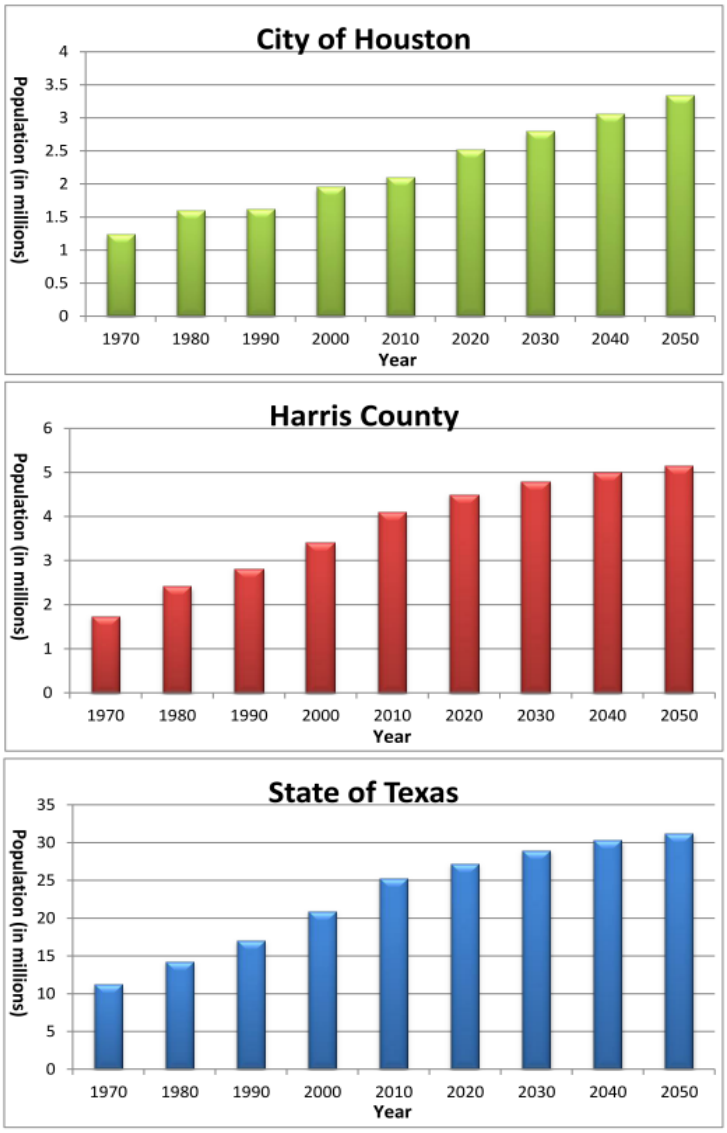
This section presents a summary of demographic and economic characteristics for the City of Houston (or the Houston-area), Harris County, and the State of Texas and describes the socioeconomic environment of the vicinity of the project site. Literature sources reviewed include publication by the U.S. Census Bureau (BOC), the Texas Workforce Commission (TWC), Bureau of Labor Statistics (BLS), and Texas Water Development Board (TWDB).

<u>Population Trends</u>

The study site is located within the City of Houston, Harris County, Texas. As shown in **Figure 1**, the population of Houston increased by 361,633 (29.3%) from 1970 to 1980, by 36,628 (2.3%) from 1980 to 1990, by 321,865 (19.7%) from 1990 to 2000, and by 146,632 (7.5%) from 2000 to 2010. For comparison, Harris County increased by 667,653 (38.3%) during the 1970s, by 408,652 (17.0%) during the 1980s, by 582,379 (20.7%), during the 1990s, and by 671,881 (20.3%) during the 2000s. The state's population grew by 27.1% during the 1970s, by 19.8% during the 1980s, by 22.9% during the 1990s, and by 20.5% during the 2000s (BOC 2016).

According to TWDB, the City of Houston and Harris County are expected to have substantial population growth from 2010 to 2050. The population is expected to increase 59.5% in the City of Houston and by 25.7% in Harris County during this time. For comparison, the state's population is expected to increase by 23.7% during this time period (TWDB 2015).

Figure 1. Populations of City of Houston, Harris County, and State of Texas from 1970-2050.



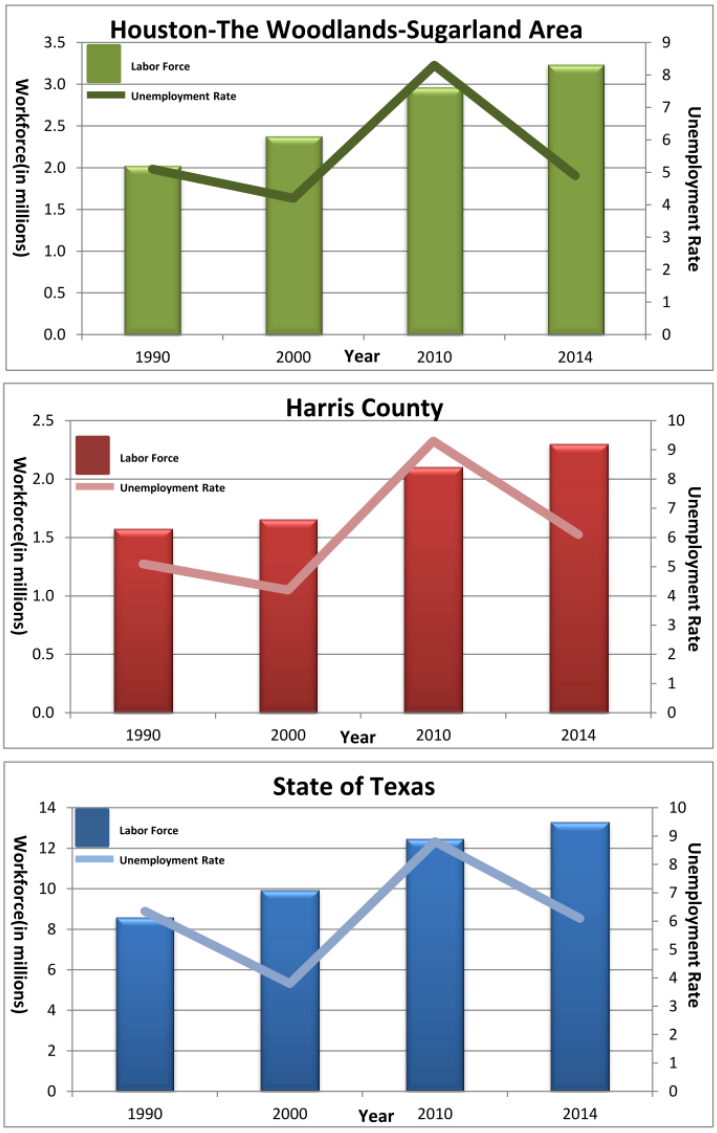
Employment

As shown in **Figure 2**, there was no correlation in the rate of change in the labor force between the Houston area, Harris County, and state. The labor force in the Houston-The Woodlands-Sugarland area increased approximately 351,236 (17.3%) between 1990 and 2000, by 586,986 (24.6%) between 2000 and 2010, and by 268,965 (9.1%) between 2010 and 2014. For comparison, the work force in Harris County increased by approximately 81,969 (5.2%) in the 1990s, by 444,105 (26.9%) in the 2000s, and by 203,225 (9.7%) between 2010 and 2014. The

state's labor force grew by approximately 15.5% during the 1990s, by 25.5% during the 2000s, and by 6.6% between 2010 and 2014 (BOC 2010; TWC 2015; BLS 2015).

In 1990, the unemployment rate for the Houston-The Woodlands-Sugarland area was 5.1%. The unemployment rate decreased to 4.2% in 2000, increased to 8.3% in 2010, then decreased to 4.9% in 2014 (BLS 2015). For comparison, the unemployment rate for Harris County was 5.1% in 1990, 4.2% in 2000, 9.3% in 2010, and 6.1% in 2014. The unemployment rate for the state was 6.4% in 1990, 3.8% in 2000, 8.8% in 2010, and 6.1% in 2014 (TWC 2015).

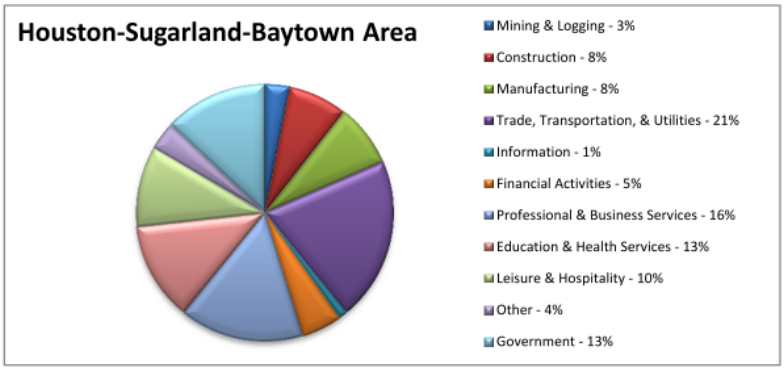
Figure 2. Workforces and unemployment rates of Houston-area, Harris County, and State of Texas.

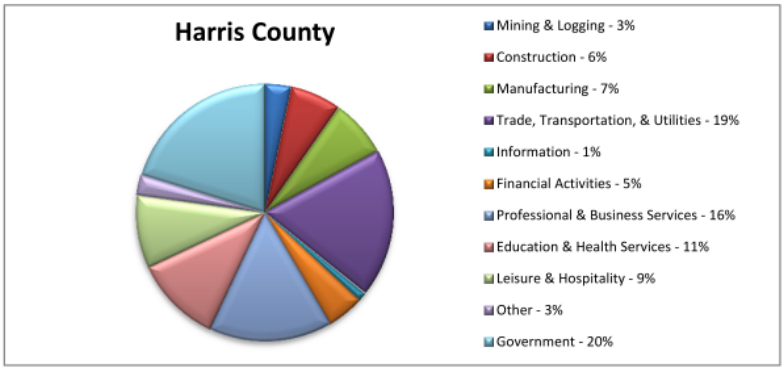


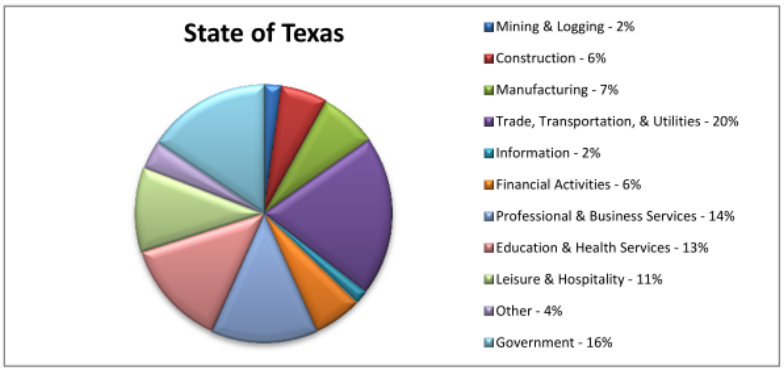
Leading Economic Sectors

As shown in **Figure 3**, fourth quarter TWC employment figures for 2015 show that leading economic sectors in the Houston-Sugarland-Baytown area are Trade, Transportation, & Utilities (21%), Professional & Business Services (16%), and Government (13%). In comparison, leading environmental sectors in Harris County are Government (20%), Trade, Transportation, & Utilities (19%), and Professional & Business Services (16%). Leading economic sectors for the state are Trade, Transportation, & Utilities (20%), Professional & Business Services (14%), and Education & Health Services (13%) (BLS 2016).

Figure 3. Economic sectors of Houston-area, Harris County, and State of Texas (fourth quarter 2015).







3.13. Environmental Justice and Environmental Health and Safety

Environmental Justice

Executive Order (EO) 12898 – Federal Action to Address Environmental Justice (EJ) in Minority Populations and Low-Income Populations was signed on February 11, 1994 by President Clinton. The EO requires all federal agencies to address the impact of their programs with respect to EJ. The EO requires that minority and low-income populations not receive disproportionately high or adverse human health or environmental impacts and requires that representatives of any low-income or minority populations that could be affect by the project be involved in the community participation and public involvement process.

The data used in this study to determine the potential for disproportionate effects to low-income and/or minority populations within the vicinity of the site are based on 2010 U.S. Census Bureau block, block group, census tract, city, and county level data for ethnicity. As defined by the Council on Environmental Quality (CEQ), a minority population is defined as either: (a) the minority population of the affect area exceeds 50%, or (b) the minority population percent of the affected area is meaningfully greater than the minority population percentage in the general population or other appropriate geographical analysis. Due to the geographic location of the proposed project and the composition population, for this analysis, the population is considered to be a minority population if the percentage of minority persons in the study area is meaningfully greater than the minority population percentage in the general population or other appropriate geographical analysis.

Table 2. Minority and low-income characteristics of the project area.

Census Geography			Total Population	Racial/Ethnicity Distribution									Income	
Census Tract	Block Group	Block		White	Black	American Indian/ Alaska Native	Asian	Native Hawaiian & Other Pacific Islander	Hispanic or Latino	Two or More Races	Other	Racial Minority	Below Poverty Level	Median Household Income
3308	-	-	10,345	9.2	50.7	0.2	3.1	0.0	33.3	3.6	-	90.8	12.0%	$63,355
3308	1	-	3,898	12.1	23.8	0.0	2.1	0.0	60.7	1.2	-	87.9	11.3%	$61,607
3308	1	1	10	9	1	0.0	0.0	0.0	0.0	0.0	-	10.0	NA	NA
3308	1	2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	NA	NA
City of Houston			2,167,988	25.5	22.8	0.2	6.3	0.0	43.9	1.2	0.1	74.5	22.9%	$45,728
Harris County			4,269,608	32.1	18.5	0.2	6.4	0.1	41.4	1.2	0.2	67.9	18.4%	$53,822

Source: U.S. Census Bureau 2015.
The census tracts located within and/or adjacent to the study site were used to represent the population potentially affected by the proposed project.
The number of persons report in in non-white racial categories, including Black or African America, American India, Alaska Native, Asian, Native Hawaiian and Other Pacific Islander, Hispanic or Latino, Other Race, or Two or More Races.
Poverty level data as reported in the 2014 U.S. Department of Health and Human Services Annual Update on the HHS Poverty Guidelines (most recent available).

The proposed project would be located entirely within census tract (CT) 3308 in Harris County, Texas. As shown in **Table 2**, the project area is largely unpopulated. Both blocks within the same census tract as the proposed project have a small or no population. CT 3308 does represent

a minority population. When compared to the populations of the City of Houston and Harris County (minority populations are 74.5% and 67.9%, respectively), CT 3308 contains a greater percentage of minorities (90.8%) (U.S. Census Bureau 2015).

The median household incomes of the project area census tracts and block groups are all greater than the U.S. Department of Health and Human Services (DHHS) 2014 poverty guideline for a family of four ($23,850). Therefore, the project area does not represent a low-income population (DHHS 2014; U.S. Census Bureau 2014).

Environmental Health and Safety

EO 13045, Protection of Children from Environmental Health Risks and Safety Risks, was signed April 21, 1997 by President Clinton and requires all federal agencies to address the impact of their programs with respect to the EO. The EO requires that all federal agencies must identify and address each environmental health risk and safety risk that may disproportionately affect children and address such risks in their policies, programs, activities, and standards. Agencies must conduct an evaluation of environmental health and safety effects on children and include an explanation of why the planned action is preferable to other potentially effective and feasible alternatives considered by the agency for all regulatory sections of the EO.

The vicinity of the proposed project is currently a low-density urban area. Potential exists for increased residential growth in the City of Houston and surrounding area. According to USGS maps, there are no schools, hospitals, or wildlife refuges within the affected site. The nearest public park/recreation area is Christia V. Adair County Park, located approximately 0.8 miles southwest of the project site. There is a private recreation facility, 288 Lake, located immediately north of the project site. The nearest school to the project site is Frost Elementary School, located approximately 1 mile north of the project site.

3.14. Solid/Hazardous Waste

Solid and/or hazardous waste is not currently generated on the project site. Evidence of hazardous waste was not observed during the site visit. The proposed facility would generate solid waste, and a local waste disposal firm would be contracted for proper disposal.

A Phase I environmental site assessment of the property was performed in May of 2016. The results of this assessment indicated that the property has remained undeveloped from at least 1920 to present day. The assessment found no evidence of Recognized Environmental Concerns (RECs) in connection with the property.

3.15. Transportation/Traffic and Parking

The major transportation feature near the proposed living facility location is Beltway 8. The remainder of the transportation grid near the study area is a network of secondary and local

roads. Beltway 8 is a state highway that encircles the Houston metro area and is entirely within Harris County. Beltway 8 is a well-maintained, two- to five-lane paved road and is approximately 88.1 miles in total length.

A review of the Houston Section al Aeronautical Chart (FAA 2016), the Airport/Facility directory, AirNav, and the TxDOT Airport Directory (2006) resources indicate one major commercial airport, William P. Hobby Airport, is located approximately 5.0 miles northeast of the proposed project site.

Designated parking spaces are included in the plans for the proposed living facility. Plans include 129 parking spaces, four of which will be designated handicapped parking spaces. The increased traffic associated with the proposed facility is anticipated to be negligible in the overall traffic volumes of the area. No mitigation measures are warranted.

3.16. Vegetation

The Texas Parks and Wildlife Department (TPWD) *Vegetation Types of Texas* describes the study area as "Crops" (McMahan *et al*. 1984). The site is listed as 'Western Gulf Coastal Plain-Northern Humid Gulf Coast Prairies' in *Level IV Ecoregions of Texas*. Vegetation observed throughout the site includes water oak (*Quercus nigra*), post oak (*Quercus stellata*), yaupon (*Ilex vomitoria*), greenbrier (*Smilax sp.*), Chinese tallow (*Sapium sebiferum*), Japanese privet (*Ligustrum japonicum*), King Ranch bluestem (*Bothiochloa ischaemum*), giant ragweed (*Ambrosia trifida*), poison ivy (*Toxicodendron radicans*), dewberry (*Rubus sp.*), and St. Augustine grass (*Stenotaphrum secundatum*).

Endangered and Threatened Flora

The FWS Southwest Region Ecological Services Species by County List, TPWD's Texas Natural Diversity Database, and TWPD's Annotated County List of Rare Species were reviewed concerning the potential occurrence and known locations of state and federally listed species in the general project area (USFWS 2016; TXNDD 2016; TPWD 2016). TPWD's Annotated County List of Rare Species includes the same species as FWS Southwest Region Ecological Services Species by County lists as endangered or threatened. FWS and TPWD both list the Texas prairie dawn (*Hymenoxys texana*) as an endangered species potentially occurring in Harris County.

The Texas prairie dawn was federally listed as endangered in 1986 (USFWS 1986). This species was first discovered in 1889 and was believed to be extinct until rediscovery in 1981. The Texas prairie dawn is endemic to the Houston area and occurs in sparsely vegetated or barren areas on slightly saline soils in coastal prairie grasslands (TPWD 2016). TXNDD data does not indicate any known occurrences of this species near the project area (TXNDD 2016) (**Exhibit 8**). Due to the large amount of vegetation and ground cover, this species is not likely to occur within the project site.

TXNDD lists an element of occurrence for a vertisol coastal prairie plant community approximately 6.7 miles southwest of the site (TXNDD 2016). Characteristic species of this plant community include little bluestem (*Schizachyrium scoparium*), yellow Indiangrass (*Sorghastrum nutans*), brownseed paspalum (*Paspalum plicatulum*), littletooth sedge (*Carex microdonta*), and yellow puff (*Neptunia lutea*). None of these species are listed as threatened or endangered by USFWS or TPWD. No date is listed for the element of occurrence. A review of aerial imagery shows the current land use at the element of occurrence for the vertisol coastal prairie is currently agricultural. Thus, the presence of this plant community within the project site is highly unlikely.

3.17. Wildlife

The study area lies within Baily's (1983) Prairie Parkland (Subtropical) Province. This province consists of temperate prairies and savannas, often dominated by grasses and hardy trees. Oaks, hickories, and evergreens are common tree species. Fauna in this province include white-tailed deer (*Odocoileus virginianus*), raccoon (*Procyon lotor*), swamp rabbit (*Sylvagus aquaticus*), gray squirrel (*Sciurus carolinensis*), reddish egret (*Egretta rufescens*), white faced egret (*Egretta novahollandiae*), white-tailed hawk (*Buteo albicaudatus*), bronzed cowbird (*Molothrus aeneus*), mourning dove (*Zenaida macroura*), northern cardinal (*Cardinalis cardinalis*), American alligator (*Alligator mississippiensis*), Texas spiny lizard (*Sceloporus olivaceus*), and diamondback terrapin (*Malaclemys terrapin*) (Baily 1983).

During the May 2016 site visit, observed fauna included white-wing dove (*Zenaida asiatica*), northern cardinal (*Cardinalis cardinalis*), mockingbird (*Mimus polyglottos*), American crow (*Corvus brachyrhynchos*), turkey vulture (*Cathartes aura*), and black-bellied whistling duck (*Dendrocygna autumnalis*). Tracks of white-tailed deer and feral pigs (*Sus scrofa*) were also observed on-site.

Endangered and Threatened Fauna

The Endangered Species Act (ESA) (16 USC 1531 et. seq.) of 1973, as amended, was enacted to provide a program for the preservation of endangered and threatened species and to provide protection for the ecosystems upon which these species depend on for their survival. All federal agencies are required to implement protection programs for these designated species and to use their authorities to further the purposes of the act. Responsibility for the identification of an endangered or threatened species and any potential recovery plans lies with the Secretary of the Interior and the Secretary of Commerce.

Table 3 lists species that have federal or state status of either threatened or endangered and have the potential to occur in Harris County, Texas (TPWD 2016; USFWS 2016). Inclusion on **Table 3** does not imply that a species occurs within the project site, but only acknowledges previous

records of occurrence or potential occurrence throughout Harris County, based on information available to the USFWS and TPWD at the date of preparation.

Table 3. TPWD endangered and threated species with potential to occur in Harris County, Texas.

Species		Status	
Common Name	Scientific Name	FWS	TPWD
AMPHIBIANS			
Houston toad	*Bufo houstonensis*	E	E
BIRDS			
American Peregrine falcon	*Falco peregrinus anatum*	DL	T
Arctic Peregrine falcon	*Falco peregrinus tundrius*	DL	-
Bald eagle	*Haliaeetus leucocephalus*	DL	T
Brown pelican	*Pelecanus occidentalis*	DL	-
Red knot	*Calidris canutus rufa*	T	-
Red-cockaded woodpecker	*Picoides borealis*	E	E
White-faced ibis	*Plegadis chihi*	-	T
White-tailed hawk	*Buteo albicaudatus*	-	T
Whooping crane	*Grus americana*	E	E
Wood stork	*Mycteria americana*	-	T
FISHES			
Creek chubsucker	*Erimyzon oblongus*	-	T
Smalltooth sawfish	*Pristis pectinata*	E	E
MAMMALS			
Louisiana black bear	*Ursus americanus luteolus*	DL	T
Rafinesque's big-eared bat	*Corynorhinus rafinesquii*	-	T
Red wolf	*Canis rufus*	E	E
West Indian Manatee	*Trichechus manatus*	E	E
MOLLUSKS			
Louisiana pigtoe	*Pleurobema riddellii*	-	T
Sandbank pocketbook	*Lampsilis satura*	-	T
Texas pigtoe	*Fusconaia askewi*	-	T
REPTILES			
Alligator snapping turtle	*Macrochelys temminckii*	-	T
Green sea turtle	*Chelonia mydas*	T	T
Kemp's Ridley sea turtle	*Lepidochelys kempii*	E	E
Leatherback sea turtle	*Dermochelys coriacea*	E	E
Loggerhead sea turtle	*Caretta caretta*	T	T
Texas horned lizard	*Phrynosoma cornutum*	-	T
Timber rattlesnake	*Crotalus horridus*	-	T

E – Endangered; T – Threatened; DL – Federally De-listed.

Twenty five wildlife species in **Table 3** are federally- or state-listed as endangered or threatened and have the potential to occur in Harris County. Two species, the arctic peregrine falcon (*Falco peregrinus tundrius*) and the brown pelican (*Pelecanus occidentalis*), have been federally de-listed as endangered or threatened and do not have a state-listed protection status.

No waters of the U.S., saltwater or freshwater, are present within the proposed project area. Therefore, aquatic species cannot occur within the project site. These species include: creek chubsucker (*Erimyzon oblongus*), smalltooth sawfish (*Pristis pectinata*), Louisiana pigtoe (*Pleurobema riddellii*), sandbank pocketbook (*Lampsilis satura*), Texas pigtoe (*Fusconaia askewi*), alligator snapping turtle (*Macrochelys temminckii*), green sea turtle (*Chelonia mydas*), Kemp's Ridley sea turtle (*Lepidochelys kempii*), leatherback sea turtle (*Dermochelys coriacea*), loggerhead sea turtle (*Caretta caretta*), and West Indian manatee (*Trichechus manatus*).

The Houston toad (*Bufo houstonensis*) is an amphibian endemic to Texas. This species typically breeds in streams and pools between February and June, and burrows into sandy soils when inactive. Houston toads are predominantly found on sandy soils within the Sparta, Carrizo, Goliad, Queen City, Reklaw, Weches, and Willis geologic formation. The proposed project site is not located within any of these geologic formations (**Exhibit 6**). Houston toads have likely been extirpated from historic locations in Harris, Liberty, and Fort Bend Counties (Seal 1994). TXNDD lists an element of occurrence 3.1 miles northeast of the project site, however the last observation of Houston toads at this location was in 1976 (TXNDD 2016). The occurrence of Houston toads within the project area is highly unlikely.

The American peregrine falcon (*Falco peregrinus anatum*) is a bird of prey and a subspecies of the peregrine falcon. This subspecies was federally de-listed as threatened or endangered in 1999, however TPWD still considers it to be threatened (USWFS 1999; TPWD 2016). The American peregrine falcon is a year-round resident and local breeder in west Texas, but may migrate through other parts of the state. American peregrine falcons may occupy a wide range of habitat during migration. This species is a rare migrant in the eastern portion of the state, and thus likely does not occupy the proposed project site.

The Arctic peregrine falcon (*Falco peregrinus tundrius*) is a bird of prey and a subspecies of the peregrine falcon. This subspecies was federally de-listed as threatened or endangered in 1994 and is not currently considered threatened or endangered by TPWD (USFWS 1994; TPWD 2016). The Arctic peregrine falcon is considered a migrant in Texas and may occupy a wide range of habitats during migration (Campbell 2003). This species is a rare migrant and thus likely does not occupy the proposed project site.

The bald eagle (*Haliaeetus leucocephalus*) is a bird of prey that inhabits trees over 40 feet in height and near (within 2 miles) a large body of water, such as a large river, lake, or bay (Campbell 2003). In 2007, the bald eagle was federally de-listed as an endangered or threatened species (USFWS 2007). Because no large trees are present within the proposed project area and the project area is not within 2 miles of a large body of water, occurrence of the bald eagle within the project site is not expected.

The red knot (*Calidris canutus rufa*) is a migratory shorebird that was designated as threatened by USFWS in 2014 (USFWS 2014). This species spends winters along the Texas coast and

primarily occupies shorelines of coasts, bays, and occasionally mudflats. Counties that red knots are typically found include Aransas, Brazoria, Calhoun, Cameron, Chambers, Galveston, Jefferson, Kennedy, Kleberg, Matagorda, Neuces, San Patricio, and Willacy Counties. Because the proposed project side does not contain coastline or wetlands and is not located in a county typically occupied by red knots, regular occurrence is not anticipated.

The red-cockaded woodpecker (*Picoides borealis*) is a medium-sized species of woodpecker known to inhabit mature pine forests in east Texas. The species was listed as endangered in 1970 and is still considered by USFWS and TPWD to be endangered (USFWS 1970; TWPD 2016). Preferred habitat for red-cockaded woodpecker nesting contains 60-70 year old pines with a grassy or herbaceous understory with few or no mid-story trees (Campbell 2003). The proposed project site lacks mature pines and contains a dense understory, thus, regular occurrence of the red-cockaded woodpecker is not anticipated.

The white-faced ibis (*Plegadis chihi*) is a large wading bird that is considered threatened according to TPWD. The species inhabits freshwater marshes, sloughs, and irrigated rice fields and will occasionally inhabit brackish and saltwater marshes. The white-faced ibis typically nests in low trees, on the ground in bulrushes or reeds, or on floating mats (TPWD 2016). The proposed project site does not contain wetlands, marshes, or streams, regular occurrence of the white-faced ibis is not expected.

The white-tailed hawk (*Buteo albicaudatus*) is a larger bird of prey that is considered threatened according to TPWD. This species is typically found near coasts on prairies, cordgrass flats, and scrub-live oak habitats, or further inland on prairies, mesquite-oak savannas, and mixed savanna-chaparral habitats (TPWD 2016). This species could potentially occur within the project site.

The whooping crane (*Grus Americana*) is a large, migratory species of wading bird that was listed as endangered in 1970 (USFWS 1970). This species migrates from the northern Great Plains or Rocky Mountains to the Texas coast, where it spends winters. Coastal marshes and wetlands of Aransas, Calhoun, and Refugio Counties are preferred nesting grounds for whooping cranes. During migration, flooded croplands, fields, and pastures may serve as feeding and roosting habitat (Campbell 2003). Because the proposed project site does not contain any wetlands, marshes, or agricultural fields, occurrence of whooping cranes is not expected.

The wood stork (*Mycteria americana*) is a large species of wading bird that was originally listed as endangered by USFWS in 1984, but was relisted as threatened in 2014 (USFWS 1984; USFWS 2014). This bird forages in prairie ponds, flooded pastures, ditches, or other shallow standing water. Wood storks may be found in or near freshwater or saltwater. Nesting typically takes place in tall trees or snags in lowland wetlands (TWPD 2016). The proposed project area lacks standing water, thus, regular occurrence of wood storks within the project site is not anticipated.

The Louisiana black bear (*Ursus amercanus luteolus*) is one of sixteen subspecies of American black bear found in North America. The subspecies was originally federally-listed as threatened in 1992, but was de-listed in 2016 (USFWS 1992; USFWS 2016). Typical habitat of the Louisiana black bear is large tracts of bottomland hardwood forest and/or swamps of eastern Texas, Louisiana, and Arkansas. Other habitat types include brackish and freshwater marshes, salt domes, wooded spoil levees along canals and bayous, and agricultural fields. Remoteness and a lack of urban development is an important habitat feature (Campbell 2003). The proposed project site has a close proximity to the City of Houston, therefore regular occurrence of the Louisiana black bear is not expected.

Rafinesque's big-eared bat (*Corynorhinus rafinesquii*) is a species of bat found throughout the southeastern United States and is considered by TPWD to be threatened. Roosting habitat for the species includes cavity trees of bottomland hardwoods, concrete culverts, and abandoned man-made structures. No trees with cavities were discovered and no culverts or abandoned man-made structures are present within the proposed project site, thus occurrence of Rafinesque's big eared bat is not anticipated.

The red wolf (*Canis rufus*) is a species of wolf that was listed as endangered in 1967 (UWFWS 1967). The historic range of the red wolf spanned from eastern Texas to Florida and extended as far north as Pennsylvania (Nowak 1979). However, it has long been presumed that the red wolf has been extirpated in Texas (Mech and Nowak 2010). It is highly unlikely that the red wolf is present within the project area because it has been extirpated in Texas.

The Texas horned lizard (*Phrynosoma cornutum*) is a medium-sized species of lizard native to Texas, northern Mexico, eastern New Mexico, Oklahoma, Kansas, and parts of Colorado and Arkansas. Habitat includes open, arid to semi-arid regions with sparse vegetation. Soil in preferred habitat is typically sandy or rocky (TWPD 2016). Because the proposed project site lacks open, arid habitat and is dominated by dense vegetation, presence of the Texas horned lizard is not anticipated.

The timber rattlesnake (*Crotalus horridus*) is a venomous snake found throughout the southeastern United States. TPWD considers this species to be threatened, however USFWS gives it no protection status (TPWD 2016). Habitat for the timber rattlesnake includes swamps, floodplains, upland pine and deciduous woodlands, riparian zones, and abandoned farmlands. Dense ground cover is preferred by the species. Because the project site is dominated by dense vegetation and timber rattlesnake can occupy a wide variety of habitats, this species could potentially occur within the proposed project site.

The smooth green snake (*Liochlorophis vernalis*) is a species of reptile that is listed as threatened according to TPWD. However, TPWD does not list this species as having potential occurrence in Harris County (TPWD 2016) (**Appendix B-1**). TXNDD lists an element of occurrence approximately 3.1 miles northeast of the project site (**Exhibit 8**). This element of occurrence was collected in 1964. Given that TPWD does not list this species as potentially present in Harris

County and that the most recent element of occurrence is from 1964, it is highly unlikely the smooth green snake occupies the project site.

Under the federal ESA, the Secretary of the Interior may designate "critical habitat" for an endangered or threatened species. The ESA defines critical habitat as "the specific areas within the geographical area occupied by the species, at the time it is listed in accordance with the provisions of Section 4 of this Act, on which are found those physical or biological features (I) essential to the conservation of the species, and (II) which may require special management consideration or protection; and specific areas outside the geographical area occupied by the species at the time it is listed… upon determination by the Secretary that such areas are essential for the conservation of the species." No designated critical habitat is located within 30 miles of the project site.

4. EVALUATION OF POTENTIAL ENVIRONMENTAL IMPACTS

This section reviews the potential for environmental impacts to occur as a result of the construction of the proposed project.

4.1. Aesthetics

Aesthetic impacts, or impact upon visual resources, exist when project structures create an intrusion into or substantially alter the character of an existing scenic view. In the case of natural scenic areas, the significance of the impact is directly related to the quality of the view, or in the case of valued community resources and recreational areas, the importance of the existing setting in the use and/or enjoyment of an area. In order to evaluate aesthetic impacts, field surveys were conducted in May of 2016 to determine the general aesthetic character of the area and the degree to which the proposed actions would be visible from selected areas.

The proposed community living center would have both temporary and permanent aesthetic effects. Temporary effects would include views of the construction site. The view of the construction site from the road would include building materials, construction trucks, lighting, vegetation clearing, ground-disturbing activities, increased heavy equipment, and dust. Permanent impacts from the project would occur once the proposed community living center is built and would consist of the view of the living center, evening illumination, and a manicured landscape. Living center components are not expected to adversely affect local views.

4.2. Air Quality

Sources of air emissions would include exhaust from construction equipment and dust from earthmoving activities and vehicles operating on exposed soil. These emissions are expected to cease following construction activities. Although construction activities would produce dust and particulate emissions, these actions should pose no significant long-term impact upon air quality standards. Any minimal dust and particulate emissions should be easily controlled by the construction contractors by using standard dust mitigation techniques. All areas disturbed during

construction would be seeded with native grasses as soon as possible after construction to minimize erosion. Bare soil would be watered frequently to reduce dust and other means would be employed to reduce dust created by truck traffic during construction.

In the long term, air emissions attributed to project operations, such as vehicle emissions due to visitor and employee traffic to the site, are expected to cause minimal impacts. Due to the low trip volume anticipated for the living center, long-term air quality impact are not considered significant and detailed modeling of emission is not warranted.

An addition source of emissions would be landscaping and maintenance equipment. Emissions from equipment fuel tanks would be allowable under TCEQ's Permits by Rule S 106.473 and S 106.454, respectively. Records would be kept on-site in accordance with these rules. In general, a facility or unit meeting the requirements of a permit by rule would not make a significant contribution of air contaminants to the atmosphere. Thus, significant impacts to air quality are not expected.

4.3. Community Services

No community facilities currently exist at the proposed project site. The living center site is within the city limits of Houston; therefore, local government and emergency services such as police and fire are provided by the City of Houston. Public education is provided by the Houston Independent School District.

4.4. Cultural Resources

A cultural resource file records review was performed to determine if the project area has been previously surveyed for cultural resources or if any archeological sites have been recorded within the APE. To conduct this review, an archeologist reviewed the Pearland USGS 7.5-minute topographic quadrangle maps at the Texas Archeological Research Laboratory (TARL) and on the THC's Texas Archeological Sites Atlas (Atlas). These sources provide information on the nature and location of previously conducted archeological surveys, previously recorded cultural resource sites, locations of NRHP properties, sites designated as SALs, Official Texas Historical Markers, Registered Texas Historic Landmarks (RTHLs), cemeteries, and local neighborhood surveys. The literature review examined archeological reports and project files which are housed at TARL and the THC Library. Historic maps at Nationwide Environmental Title Research (NETR Online) were also utilized to assess the potential presence of historic archeological resources in or near the project area. Other sources, such as aerial maps and United States Department of Agriculture (USDA) soil surveys, were also consulted as part of the study.

Subsequent to the background review, a combination of reconnaissance and intensive survey was accomplished across the entire area of potential effects (APE) (Moore, 2016). The survey area is situated along Cottingham Road and is about 815 (ft) (248 m) south of the roadway's intersection with Schurmier Road. State Highway BW8 is about 943 ft (287 m) to the south of the APE. No archeological sites were previously recorded at this location and none were

identified during the current survey. The Intensive Archeological Survey Report is available at TARL and the THC.
The cultural resources investigations records review determined there are no NRHP-listed properties, SALs, OTHMs, RTHLs, cemeteries, or previously recorded archeological sites within the APE

There are no previously recorded sites located within the APE. One prehistoric archeological site, 41HR817, is situated on the east side of Clear Creek and 0.53 miles (0.86 km) south of the APE. Moore Archeological Consulting, Inc. conducted survey and data recovery investigations that included trenching and the excavation of five 1x1-m units on behalf of the Harris County Flood Control District (HCFCD) under Antiquities Permit Number 2012 (Pearl 1997; Mahoney and Moore 1998).

4.5. Floodplains, Wetlands, and Watersheds

The proposed project site is outside the limits of the 100 year floodplain (**Exhibit 2**). Therefore, no impacts to floodplains are anticipated.

Construction of the proposed community living center should not adversely affect surface water quality, flooding, or groundwater quality with the implementation of proper stormwater controls and pollution prevention measures. During construction efforts, a Storm Water Pollution Prevention Plan (SWPPP), along with best management practices (BMPs), would be implemented during all phases of construction in compliance with the TCEQ and EPA National Pollution Discharge Elimination System (NPDES) standards.

All facilities will be constructed in uplands. No potential waters of the U.S. or jurisdictional wetlands were identified within the project site.

4.6. Geology and Soils

Construction of the proposed community living center is not anticipated to have a significant impact on the topography or geological resources of the project area. The construction of buildings, roads, and/or subsurface utility lines would require their removal and/or disturbance of small amounts of near-surface materials, but would have no measurable impacts on geological features or mineral resources. Impact potential from geologic faults or earthquakes within the project area is considered to be minimal.

The construction of the proposed living facility would create few long-term adverse impacts on the project soils. Erosion and soil compaction are the major potential impacts from construction. Soil erosion is generally greatest during the initial clearing and is typically controlled with silt fences and/or other stormwater quality best management practices or revegetated immediately following construction.

4.7. Hydrology, Water Quality

Appropriate erosion and sedimentation controls will be employed during construction. Wetlands and other jurisdictional waters will not be affected.

Potential impacts from normal operation and maintenance activities at the living center include the introduction of petroleum-based products, pesticides, herbicides, and other chemicals for landscaping. The potential of pollutant loading would be prevented by impending source water protection BMPs, such as waste reduction and management strategies, proper use, handling, and disposal of chemicals, and a spill prevention control plant. A drainage control plan would also be implemented to contain and control surface water runoff from entering adjacent lands, and proper filtration measures and natural buffers will be implemented to prevent contamination of groundwater and nearby offsite water sources.

4.8. Land Use and Recreation

Land-use impacts from the proposed living center are determined by the amount of land displaced or converted by the actual project and by the compatibility of the living center to adjacent land uses. During construction, temporary impacts to land uses could occur due to the movement of workers and materials through the area. Construction noise and dust, as well as temporary disruption of traffic flow, may temporarily affect residents and businesses in the area of the project site. Currently low-density residential areas are present near the project area.

The proposed living center would have no impact on aviation operations. The tallest structures at the site would be either flagpoles or the living center itself. According to FAA Regulations, Part 77, notification of the construction of the site is required if any structures exceed height of an imaginary surface extending outward and upward at a slope of 100 to 1 for a horizontal distance of 20,000 feet from the nearest point of the nearest runway of a public or military airport have at least one runway longer than 3,200 feet. There a no public or military airports within the site vicinity (FAA 2008).

4.9. Noise

There is no State of Texas, county, or local noise limits or regulations. Construction activities would result in minimal short-term, local noise disturbances caused by heavy equipment operation on the site. Following construction completion, short-term noise disturbances would be caused by lawn-care equipment, visitor vehicles, and service/delivery vehicles. No adverse noise impacts are expected to result from construction or operation provided activities are limited to daylight hours.

4.10. Potential for Generating Substantial Controversy

No substantial controversy is expected to occur from the proposed community living center.

4.11. Real Property

No direct change in land values adjacent to the site is expected. The land has been donated by the City of Houston to the Texas Veterans Land Board.

4.12. Socioeconomic Considerations

For the proposed community living center, some short-term local employment would be generated. Employees working on the construction of the living center would benefit the local economy as a portion of the project wages would find their way into the local economy through purchases such as fuel, food, lodging, and building materials. The project implementation is expected to have a beneficial effect on economic activity since 140 to 160 permanent jobs would be generated. Due to the relatively small staffing requirement need, it is expected that employment associated with the living center would have a minimal effect on the population, housing, schools, community services, and other community amenities.

4.13. Environmental Justice

This document is in compliance with the requirements of EO 12898 – Federal Action to Address EJ in Minority Populations and Low-Income Populations. The EO requires that minority and low-income population not receive disproportionately high or adverse human health or environmental effects. Should the proposed living center be constructed, the land use would be consistent with current land uses in the area and would not impinge upon the current lifestyles and habits of residents. Any activities that currently take place in the vicinity of the site would not be affected as a result of the proposed project. Therefore, no change in the quality of life of the local population is expected. The proposed project is not expected to add a disproportionately high or adverse human health or environmental effects on the community.

4.14. Environmental Health and Safety

This document is also in compliance with the requirements of EO 13045 – Protection of Children from Environmental Health Risks and Safety Risks. The proposed project is not anticipated to disproportionately affect children or pose any such risks; therefore, consideration, in regards to this EO, for other effective and feasible alternatives to the planned action is not necessary.

4.15. Solid/Hazardous Waste

A Phase I Initial Site Assessment (ISA) was completed in May of 2016. The ISA revealed no evidence of RECs in connection with the property.

4.16. Transportation/Traffic and Parking

The main entrance to the proposed community living facility would be on Beltway 8 Frontage Road. Currently, there are no plans to add traffic signals or signs to Beltway 8 Frontage Road where the entrance to the living facility will be. The City of Houston agrees and commits to approve and provide or assist in the provision of traffic flow regulation aids such as traffic lights,

turn signals, traffic signs, and other measures as necessary to facilitate entry and departure from the proposed living center site consistent with the Texas Manual on Uniform Traffic Control Devices and Policies and Procedures of the City of Houston. Establishment of access points would be handled through the normal permit process of appropriate agency (TxDOT and/or the City of Houston). Minimal adverse impacts to traffic due to the construction of the living center are expected.

4.17. Utilities

Utilities provided to the living center would include electric, water, sewer, and telephone services. Negligible impacts are expected to occur to surrounding areas as a result of utilities installation.

4.18. Vegetation

The proposed project would entail the conversion of coastal prairie to a manicured, landscaped park-like setting. Permanent removal of some existing vegetation is anticipated. Reseeding with native grasses and planting of native shrubs and trees will occur on the property.

4.19. Wildlife

The relative impacts of the project on wildlife would include short-term effects resulting from the physical disturbance during construction and long-term effects resulting from habitat modification. Permanent changes in vegetation type and vegetation structure from the existing condition may increase opportunities for many wildlife species, but decrease opportunities for others. Some wildlife species may be attracted to newly planted vegetation; however, some species may be displaced to adjacent offsite location as a result of permanent changes in the landscape and increase in human pressure.

Construction could result in short-term direct and/or indirect impacts to animals that reside or wander within the site. Heavy machinery may impact some small, low-mobility individuals. These could include species of amphibians, reptiles, and small mammals. Soil compaction caused by heavy machinery may similarly result in negative effects to fossorial mammals (i.e., those that live underground). Larger, more-mobile species, such as birds or larger mammals, may avoid the initial clearing and construction activities and move into adjacent areas outside the site.

Increased noise and activity levels during construction could potential disturb breeding or other activities of species inhabiting the areas adjacent to the site. However, these impacts would be temporary. Although the normal behavior of some individuals would be disturbed during construction, little long-term damage to the populations of such species would result.

The MBTA protects most North American bird species. The MBTA states that it is unlawful to kill, posses, pursue, hunt, take, capture, harass, or attempt to kill, possess, sell, purchase, deliver, export, import, transport, barter eggs, or any part thereof. Presidential EO 13186 calls for

renewed protection for migratory birds for projects that receive federal funds. In accordance with this policy, we recommend measures to ensure that the proposed living center construction would not result in negative effects to migratory birds. Construction activities would not likely disturb potential nesting sites on adjacent properties. Most birds nest between the moths of April to August; however, in temperate climates, birds may nest outside of this period. Compliance with the MBTA would ensure that construction activities would not negatively affect protected bird species and no further mitigation is necessary.

The USFWS and TPWD provided information concerning the potential occurs and location of state and federally listed species near the project site. The creek chubsucker (*Erimyzon oblongus*), smalltooth sawfish (*Pristis pectinata*), Louisiana pigtoe (*Pleurobema riddellii*), sandbank pocketbook (*Lampsilis satura*), Texas pigtoe (*Fusconaia askewi*), alligator snapping turtle (*Macrochelys temminckii*), green sea turtle (*Chelonia mydas*), Kemp's Ridley sea turtle (*Lepidochelys kempii*), leatherback sea turtle (*Dermochelys coriacea*), loggerhead sea turtle (*Caretta caretta*), and West Indian manatee (*Trichechus manatus*) are aquatic species that are incapable of occurring on inland and/or terrestrial environments such as the project site. No impacts to these species are anticipated.

The American peregrine falcon, arctic peregrine falcon, bald eagle, brown pelican, red knot, red-cockaded woodpecker, white-faced ibis, whooping crane, and wood stork are all unlikely to regularly occur within the project site, except as rare migrants, vagrants, flyovers, or visitors to the general area. The white-tailed hawk has potential to regularly occur at the living center site and is covered under the MBTA (USFWS 2013). Intended compliance, as previously described, would ensure that construction activities would not negatively affected protected bird species with potential occurrence. Therefore, no impacts to protected avian species are anticipated.

The Houston toad was historically present in Harris County, but is believed to have been extirpated in the Houston area (Seal 1994). TXNDD lists an element of occurrence for the Houston toad 3.1 miles east of the project area; however this occurrence was in 1976 (**Exhibit 8**; TXNDD 2016). The red wolf is considered extinct in Texas. No elements of occurrence for the red wolf are listed in TXNDD. Therefore, no impacts to these species are anticipated.

The timber rattlesnake may potentially occur within the project site. Although potential exists for occurrence of the timber rattlesnake, no documented records of the species exist from the site or immediate vicinity (TXNDD 2016). Reptile Best Management Practices (BMPs), which include methods for protecting the timber rattlesnake, will be implemented during construction. Therefore, no impacts to the species are expected.

5. CUMULATIVE EFFECTS/ENVIRONMENTAL CONCLUSIONS

This EA has evaluated potential environmental effects resulting from construction and operation of the State Veterans Home - Houston. No significant cumulative effects on biological or socioeconomic resources are anticipated. The cultural resources assessment revealed no NRHP-

listed properties, SALs, OTHMs, RTLHs, cemeteries, or previously recorded archeological sites are within the proposed project area. Measures will be undertaken to avoid and minimize impacts, and as a result, mitigation measures are necessary with respect to the proposed action. Mitigation actions include air quality controls during construction, including emissions and dust suppression and water quality controls, such as a SWPPP, during construction. Upon completion, source water protection BMPs would be implemented during normal operations, landscaping upkeep, and periodic maintenance. Based on the current site development plans and this analysis, the construction and operation of the proposed facility should result in negligible effects.

The proposed construction does not require the preparation of an Environmental Impact Statement. Therefore, a Finding of No Significant Impact (FONSI) will be prepared and issued for approval.

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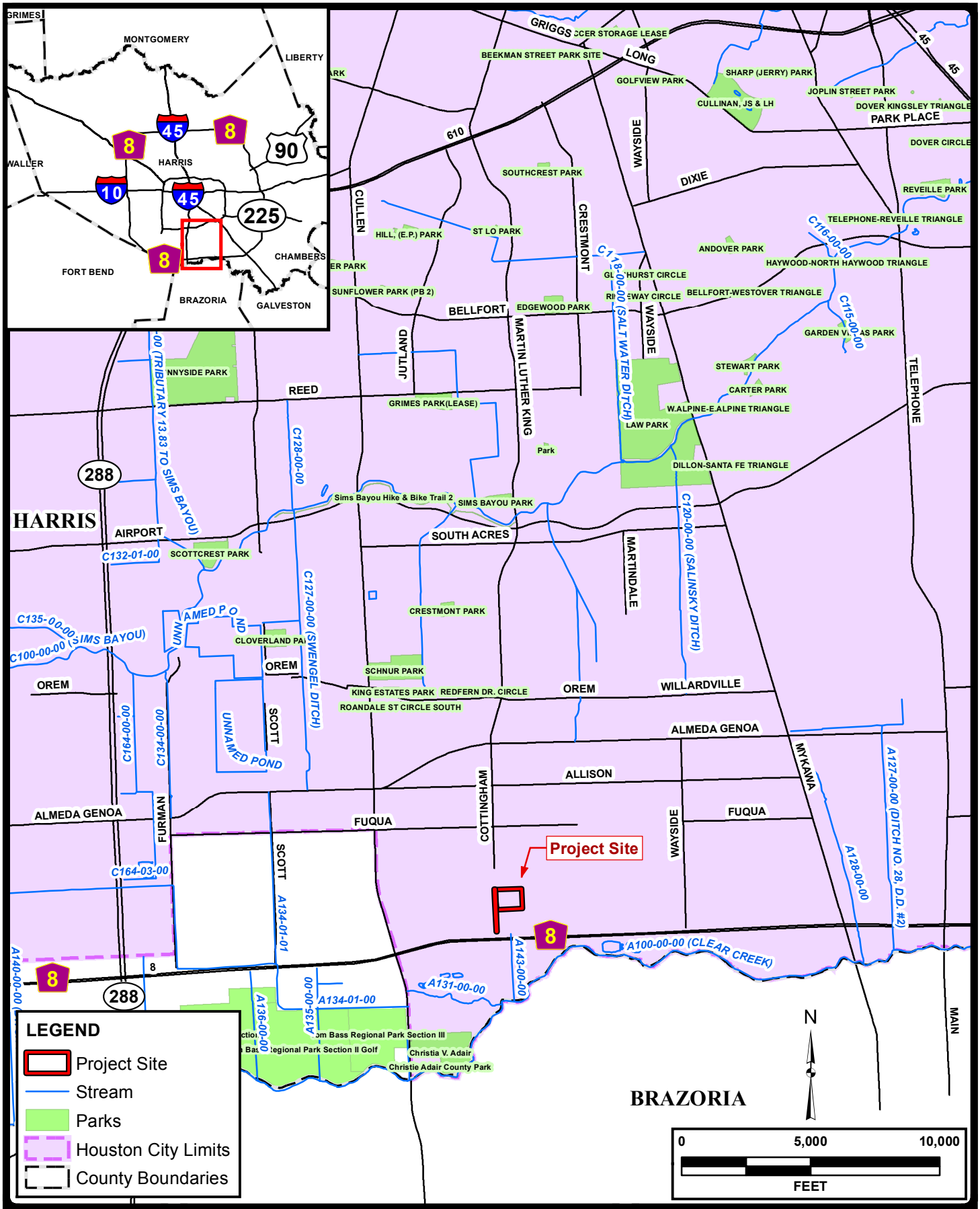
EXHIBITS

EXHIBIT 1

Location Map



JOB NO. 50887-00
DATE Jun 2016
DESIGNER PSS
CHECKED VC DRAWN PSS
SHEET EXHIBIT 01

STATE VETERANS HOME - HOUSTON

Environmental Assessment
Location Map

PAPE-DAWSON ENGINEERS
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TEXAS BOARD OF PROFESSIONAL ENGINEERS, FIRM REGISTRATION # 470
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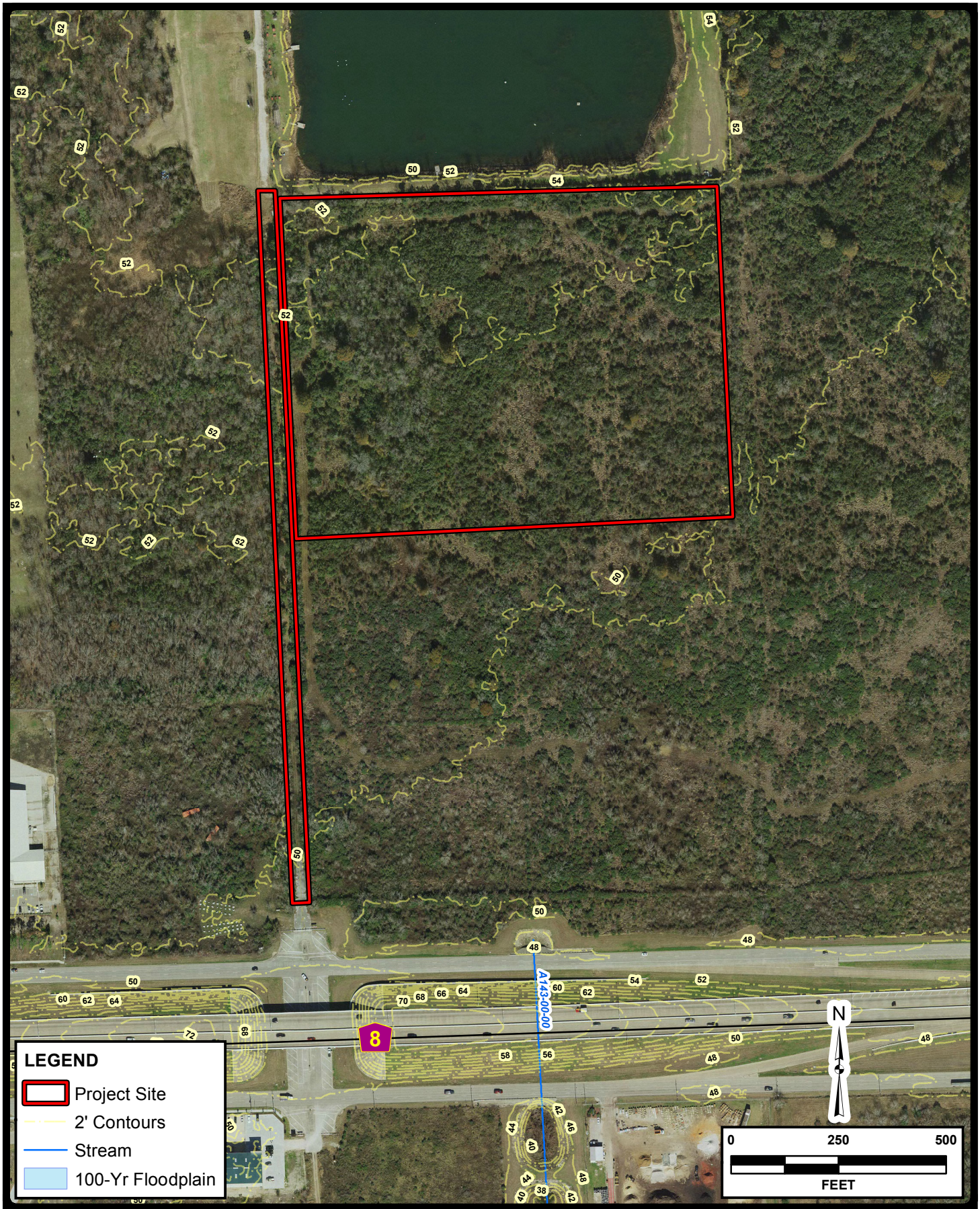
EXHIBIT 2

Site Map



JOB NO.	50887-00
DATE	Jun 2016
DESIGNER	PSS
CHECKED	VC
DRAWN	PSS
SHEET	EXHIBIT 02

STATE VETERANS HOME - HOUSTON

Environmental Assessment

Site Map

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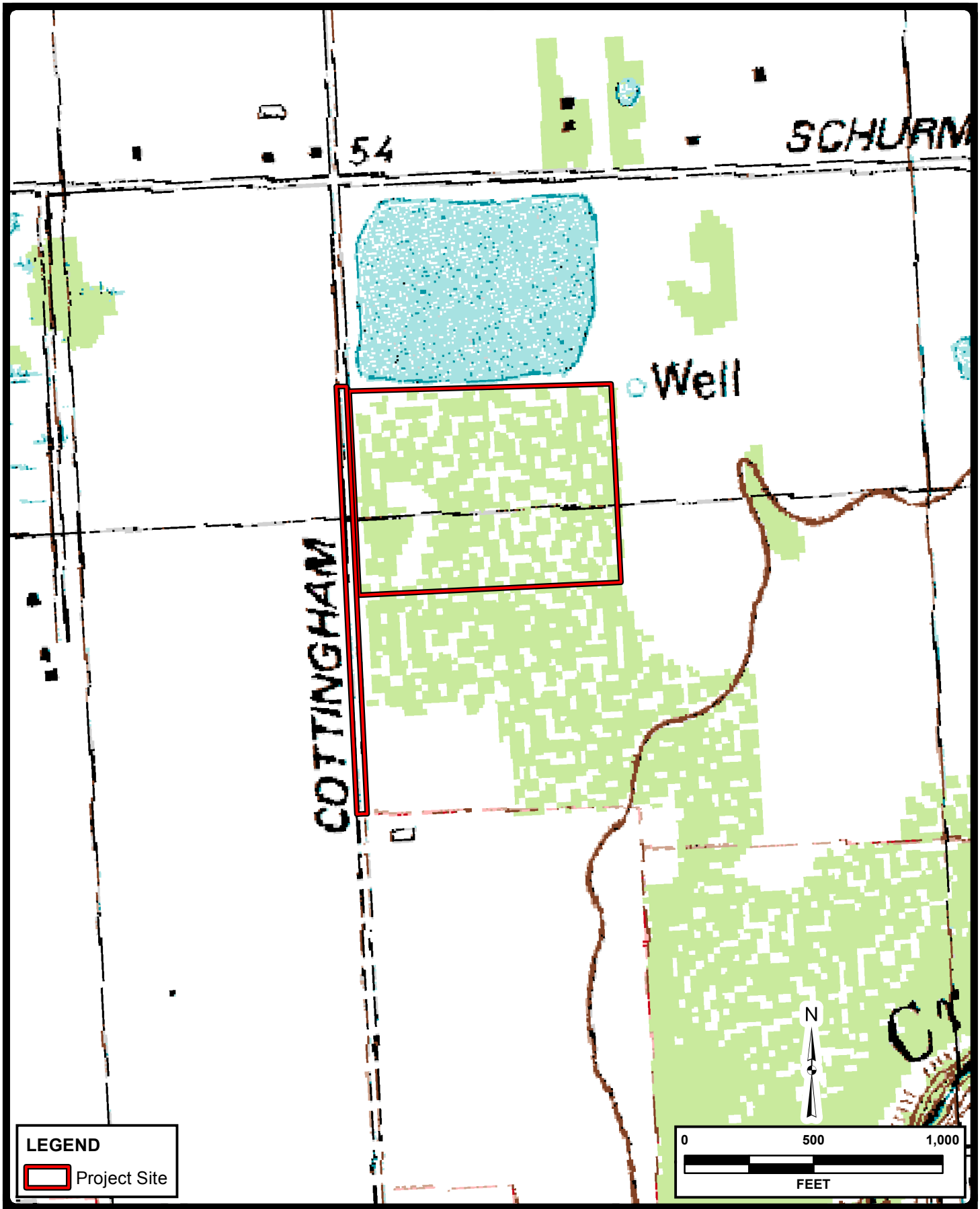
EXHIBIT 3

USGS Topo Map



JOB NO.	50887-00
DATE	Jun 2016
DESIGNER	PSS
CHECKED	VC
DRAWN	PSS
SHEET	EXHIBIT 03

STATE VETERANS HOME - HOUSTON

Environmental Assessment

USGS Quad Map

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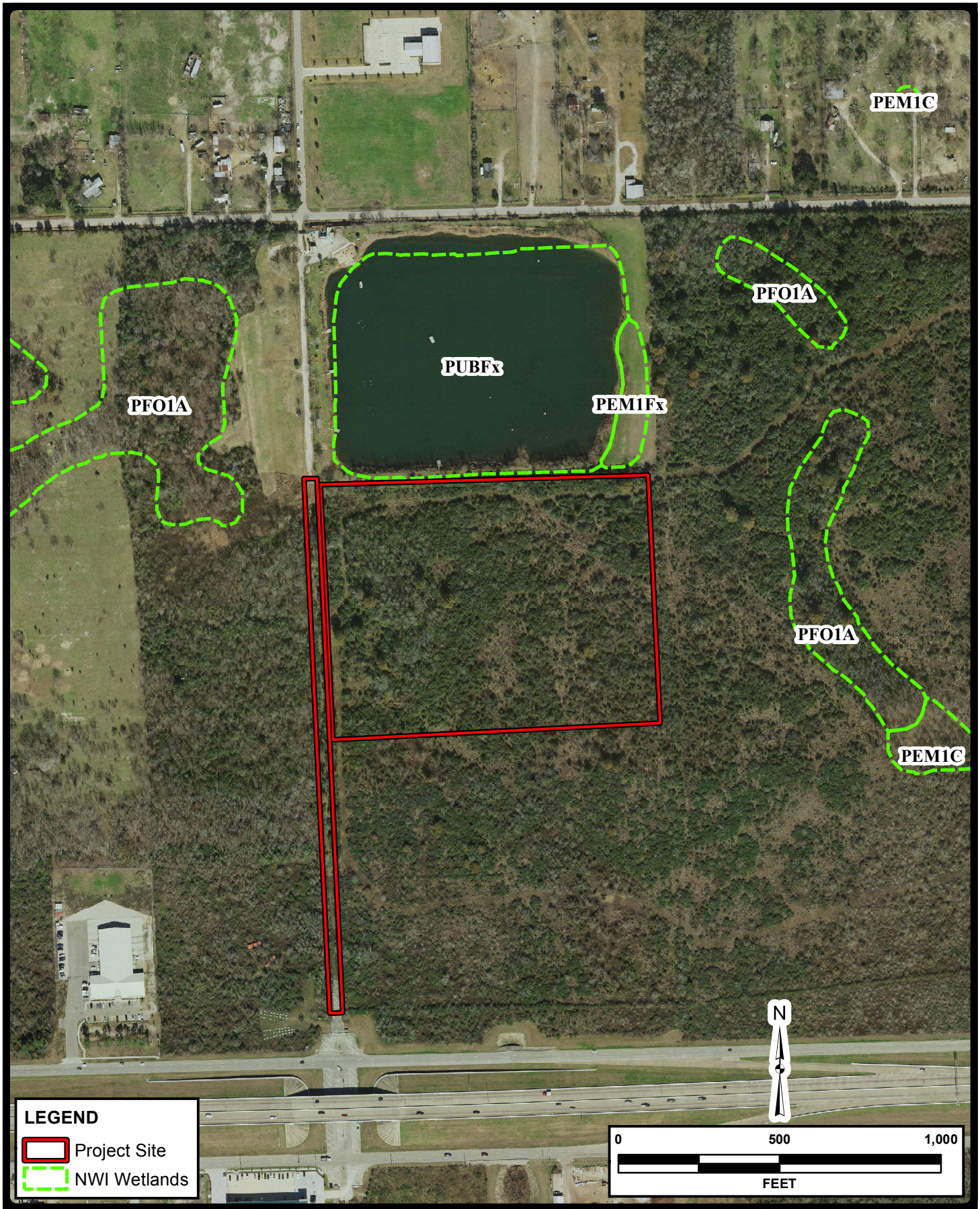
EXHIBIT 4

National Wetlands Inventory Map



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Environmental Assessment

NWI Map

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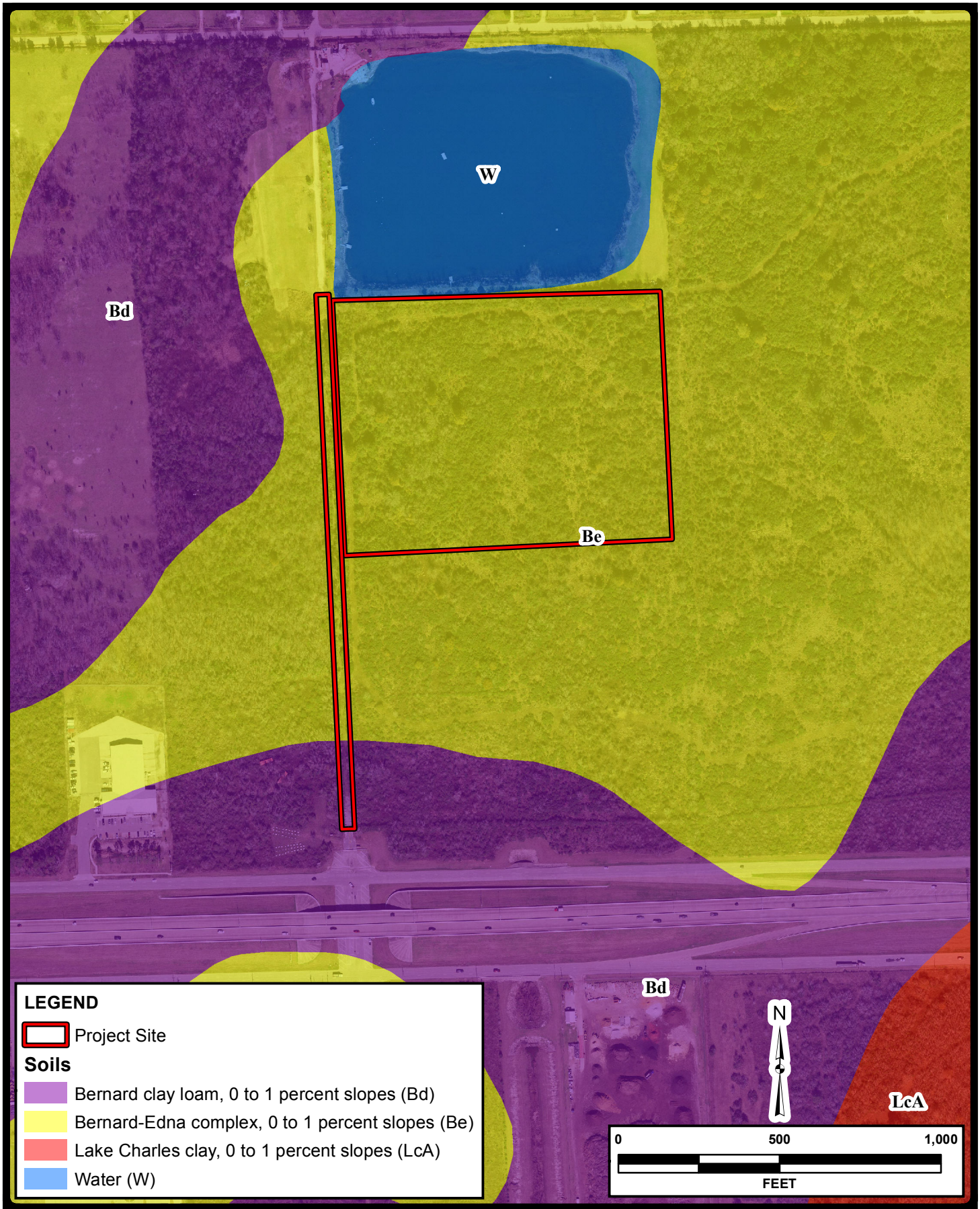
EXHIBIT 5

NRCS Soils Map



LEGEND

Project Site

Soils

- Bernard clay loam, 0 to 1 percent slopes (Bd)
- Bernard-Edna complex, 0 to 1 percent slopes (Be)
- Lake Charles clay, 0 to 1 percent slopes (LcA)
- Water (W)

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DATE Jun 2016
DESIGNER PSS
CHECKED VC DRAWN PSS
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STATE VETERANS HOME - HOUSTON

Environmental Assessment
NRCS Soils Map

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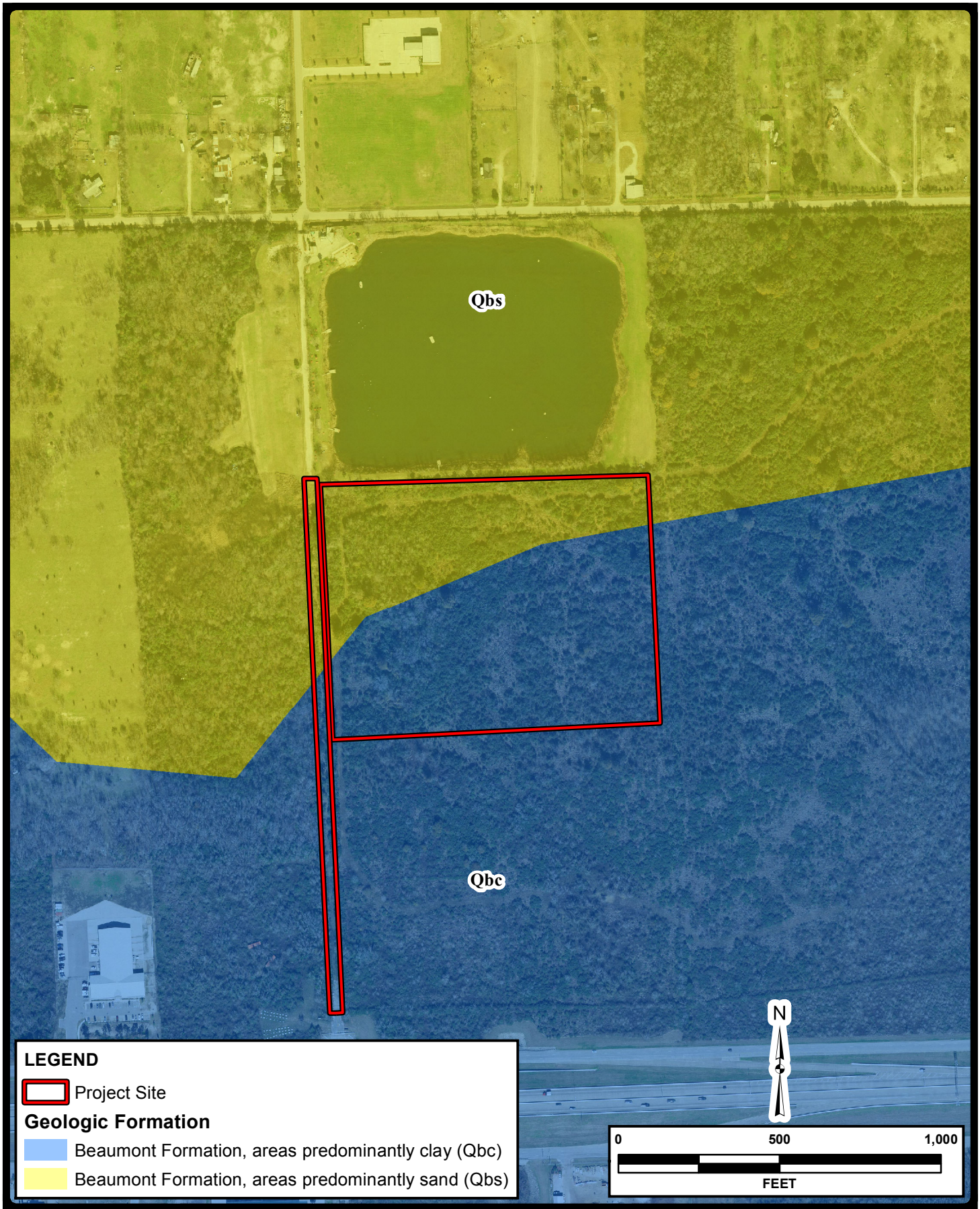
EXHIBIT 6

Geologic Map



LEGEND

Project Site

Geologic Formation

Beaumont Formation, areas predominantly clay (Qbc)

Beaumont Formation, areas predominantly sand (Qbs)

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DATE	Jun 2016
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DRAWN	PSS
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STATE VETERANS HOME - HOUSTON

Environmental Assessment

Geologic Map

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EXHIBIT 7

Building Plans Map

JOB NO. 50887-00
DATE Jun 2016
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STATE VETERANS HOME - HOUSTON

Environmental Assessment
Site Plans Map

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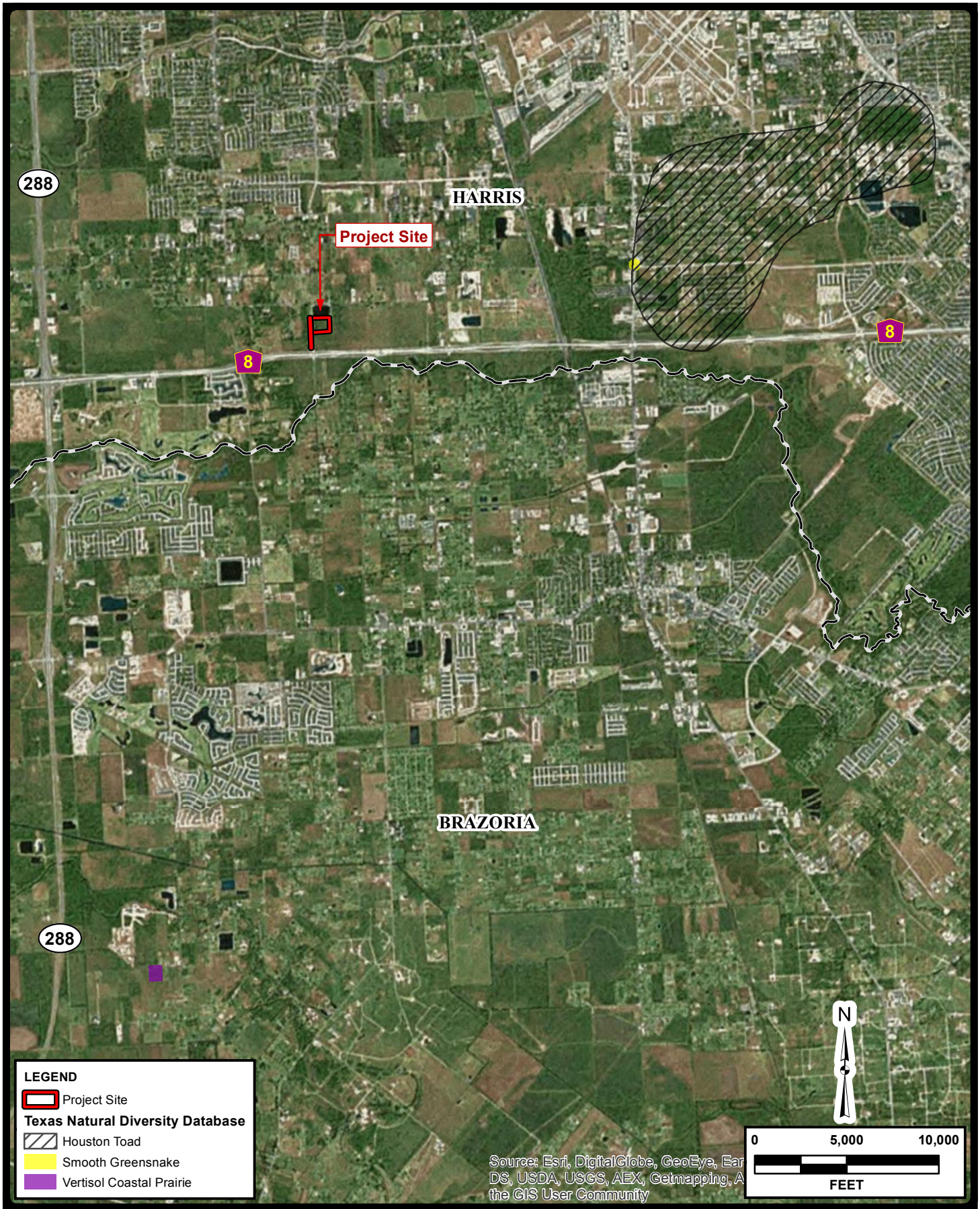
EXHIBIT 8

Texas Natural Diversity Database Map



LEGEND

- Project Site

Texas Natural Diversity Database

- Houston Toad
- Smooth Greensnake
- Vertisol Coastal Prairie

JOB NO.	50887-00
DATE	Jun 2016
DESIGNER	PSS
CHECKED	VC
DRAWN	PSS
SHEET	EXHIBIT 08

STATE VETERANS HOME - HOUSTON

Environmental Assessment

Texas Natural Diversity Database Map

PAPE-DAWSON ENGINEERS

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Date: Jun 13, 2016 9:57:11 AM User: SShashy
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Element Occurrence Record

Scientific Name: Anaxyrus houstonensis
Occurrence #: 4
Eo Id: 3159
Common Name: Houston Toad
Track Status: Track all extant and selected historical EOs
Identification Confirmed: Y - Yes
TX Protection Status: E
Global Rank: G1
State Rank: S1
Federal Status: LE

Location Information:

Directions

SOUTHEAST HOUSTON, NORTH OF CLEAR CREEK, WEST OF I-45, EAST OF TELEPHONE ROAD, SOUTHEAST AND SOUTH OF HOBBY AIRPORT. ALSO ELLINGTON AIR FORCE BASE.

Survey Information:

First Observation: 1953
Survey Date:
Last Observation: 1976
Eo Type:
Eo Rank: H
Eo Rank Date: 1984-01-01
Observed Area: 600.00

Comments:

General Description: SANDY SUBSTRATE, POOLS - EPHEMERAL & PERMANENT FRESH WATER. URBAN AREA, ENCROACHING URBANIZATION.

Comments: NOT A PROTECTABLE OCCURRENCE, NOT SEEN RECENTLY. URBANIZATION HAS PROBABLY ELIMINATED HABITAT.

Protection Comments: WORK WITH HRRS, BRZR CO. PARKS TO ENSURE HABITAT MAINTENANCE

Management Comments: REINTRODUCE IN PROTECTED HABITAT

Data:

EO Data: A NUMBER OBSERVED UNTIL MID 70'S. NEEDS SANDY SUBSTRATE AND EPHEMERAL RAIN POOLS TO BREED. BREEDS IN FEBRUARY. OCCASIONAL HYBRIDS WITH OTHER BUFO SPP. FACILITATED BY HABITAT MODIFICATION

Community Information:

Scientific Name:	Stratum:	Dominant:	Lifeform:	Composition Note:

Reference:

Citation:

BROWN, L.E., ET. AL., 1983. AGENCY REVIEW DRAFT OF THE RECOVERY PLAN FOR THE HOUSTON TOAD (BUFO HOUSTONENSIS). USF& WS, ALBUQUERQUE, NM. 48PP.

QUINN, HUGH R. AND GREG MENGDEN. 1984. REPRODUCTION AND GROWTH OF BUFO HOUSTONENSIS (BUFONIDAE). S.W. NAT. 29(2): 189-195.

BROWN, LAUREN E., 1971. NATURAL HYBRIDIZATION AND TREND TOWARD EXTINCTION IN SOME RELICT TEXAS TOAD POPULATIONS. SOUTHWESTERN NATURALIST 16(2):185-199.

QUINN, HUGH. NO DATE. CURATOR OF REPTILES HOUSTON ZOOLOGICAL GARDENS PARKS & RECREATION DEPARTMENT PH-713/520-3208.

Specimen:

Element Occurrence Record

Scientific Name: Liochlorophis vernalis **Occurrence #:** 3 **Eo Id:** 6278

Common Name: Smooth Green Snake **Track Status:** Track all extant and selected historical EOs

Identification Confirmed: Y - Yes **TX Protection Status:** T

Global Rank: G5 **State Rank:** SX **Federal Status:**

Location Information:

Directions

0.6 MILES SOUTH OF THE INTERSECTION OF ALAMEDA-GENOA ROAD WITH TELEPHONE ROAD, HOUSTON.

Survey Information:

First Observation: **Survey Date:** **Last Observation:** 1964-06-15

Eo Type: **Eo Rank:** **Eo Rank Date:**

Observed Area:

Comments:

General Description:

Comments: SPECIMEN COLLECTED ON JUNE 15, DEAD-ON-ROAD. IN THE AUTHOR'S PRIVATE COLLECTION.

Protection Comments:

Management Comments:

Data:

EO Data:

Community Information:

Scientific Name:	Stratum:	Dominant:	Lifeform:	Composition Note:

Reference:

Citation:

WORTHINGTON, RICHARD D. 1974. REMARKS ON THE DISTRIBUTION OF THE SMOOTH GREEN SNAKE, OPHEODRYS VERNALIS BLANCHARDI GROBMAN IN TEXAS. SOUTHWESTERN NAT. 18(3): 344-346.

Specimen:

R.W. Worthington Private Collection. 1964. R.W. Worthington #?, Catalog # ? RW. 15 June 1964.

[S64WORRWTXUS]

Element Occurrence Record

Scientific Name: Schizachyrium scoparium - Sorghastrum nutans - Paspalum plicatulum - Carex microdonta - Neptunia lutea Vertisol Grassland

Occurrence #: 17 **Eo Id:** 11806

Common Name: Vertisol Coastal Prairie

Track Status: Track all extant and selected historical EOs

Identification Confirmed:

TX Protection Status:

Global Rank: G1 **State Rank:** SNR

Federal Status:

Location Information:

Directions

Survey Information:

First Observation: **Survey Date:** **Last Observation:**

Eo Type: **Eo Rank:** **Eo Rank Date:**

Observed Area:

Comments:

General Description:

Comments:

Protection Comments:

Management Comments:

Data:

EO Data:

Community Information:

Scientific Name:	Stratum:	Dominant:	Lifeform:	Composition Note:

Reference:

Citation:

Native Prairies Association of Texas. 2011. Tallgrass prairie survey project that includes shapefiles, excel files, documents, images, and protocol for multiple counties in Texas (2000-2013).

Specimen:

APPENDIX A
Photo Log

Photo No. 1	**Date**: 5-17-2016

Description:
View of vegetation near the northwestern project boundary of the Texas Veteran's Community Living Center project site.

Photo No. 2	**Date**: 5-17-2016

Description:
View of vegetation near the southwestern project boundary of the Texas Veteran's Community Living Center project site.

Photo No. 3	**Date**: 5-17-2016

Description:
View of vegetation near the eastern boundary of the Texas Veteran's Community Living Center project site.

Photo No. 4	**Date**: 5-17-2016

Description:
View of vegetation near the southeastern project boundary of the Texas Veteran's Community Living Center project site.

APPENDIX B

TPWD & USFWS Endangered & Threatened Species Lists

Last Revision: 5/16/2016 5:47:00 PM

HARRIS COUNTY

AMPHIBIANS

		Federal Status	State Status
Houston toad	*Anaxyrus houstonensis*	LE	E

endemic; sandy substrate, water in pools, ephemeral pools, stock tanks; breeds in spring especially after rains; burrows in soil of adjacent uplands when inactive; breeds February-June; associated with soils of the Sparta, Carrizo, Goliad, Queen City, Recklaw, Weches, and Willis geologic formations

Southern Crawfish Frog *Lithobates areolatus areolatus*

The Southern Crawfish Frog can be found in abandoned crawfish holes and small mammal burrows. This species inhabits moist meadows, pasturelands, pine scrub, and river flood plains. This species spends nearly all of its time in burrows and only leaves the burrow area to breed. Although this species can be difficult to detect due to its reclusive nature, the call of breeding males can be heard over great distances. Eggs are laid and larvae develop in temporary water such as flooded fields, ditches, farm ponds and small lakes. Habitat: Shallow water, Herbaceous Wetland, Riparian, Temporary Pool, Cropland/hedgerow, Grassland/herbaceous, Suburban/orchard, Woodland – Conifer.

BIRDS

		Federal Status	State Status
American Peregrine Falcon	*Falco peregrinus anatum*	DL	T

year-round resident and local breeder in west Texas, nests in tall cliff eyries; also, migrant across state from more northern breeding areas in US and Canada, winters along coast and farther south; occupies wide range of habitats during migration, including urban, concentrations along coast and barrier islands; low-altitude migrant, stopovers at leading landscape edges such as lake shores, coastlines, and barrier islands.

Arctic Peregrine Falcon *Falco peregrinus tundrius* DL

migrant throughout state from subspecies' far northern breeding range, winters along coast and farther south; occupies wide range of habitats during migration, including urban, concentrations along coast and barrier islands; low-altitude migrant, stopovers at leading landscape edges such as lake shores, coastlines, and barrier islands.

Bald Eagle *Haliaeetus leucocephalus* DL T

found primarily near rivers and large lakes; nests in tall trees or on cliffs near water; communally roosts, especially in winter; hunts live prey, scavenges, and pirates food from other birds

Black Rail *Laterallus jamaicensis*

salt, brackish, and freshwater marshes, pond borders, wet meadows, and grassy swamps; nests in or along edge of marsh, sometimes on damp ground, but usually on mat of previous year's dead grasses; nest usually hidden in marsh grass or at base of Salicornia

Brown Pelican *Pelecanus occidentalis* DL

largely coastal and near shore areas, where it roosts and nests on islands and spoil banks

Henslow's Sparrow *Ammodramus henslowii*

wintering individuals (not flocks) found in weedy fields or cut-over areas where lots of bunch grasses occur along with vines and brambles; a key component is bare ground for running/walking

HARRIS COUNTY

BIRDS

		Federal Status	State Status
Mountain Plover	*Charadrius montanus*		

breeding: nests on high plains or shortgrass prairie, on ground in shallow depression; nonbreeding: shortgrass plains and bare, dirt (plowed) fields; primarily insectivorous

Peregrine Falcon	*Falco peregrinus*	DL	T

both subspecies migrate across the state from more northern breeding areas in US and Canada to winter along coast and farther south; subspecies (F. p. anatum) is also a resident breeder in west Texas; the two subspecies' listing statuses differ, F.p. tundrius is no longer listed in Texas; but because the subspecies are not easily distinguishable at a distance, reference is generally made only to the species level; see subspecies for habitat.

Red Knot	*Calidris canutus rufa*	T	

Red knots migrate long distances in flocks northward through the contiguous United States mainly April-June, southward July-October. A small plump-bodied, short-necked shorebird that in breeding plumage, typically held from May through August, is a distinctive and unique pottery orange color. Its bill is dark, straight and, relative to other shorebirds, short-to-medium in length. After molting in late summer, this species is in a drab gray-and-white non-breeding plumage, typically held from September through April. In the non-breeding plumage, the knot might be confused with the omnipresent Sanderling. During this plumage, look for the knot's prominent pale eyebrow and whitish flanks with dark barring. The Red Knot prefers the shoreline of coast and bays and also uses mudflats during rare inland encounters. Primary prey items include coquina clam (Donax spp.) on beaches and dwarf surf clam (Mulinia lateralis) in bays, at least in the Laguna Madre. Wintering Range includes- Aransas, Brazoria, Calhoun, Cameron, Chambers, Galveston, Jefferson, Kennedy, Kleberg, Matagorda, Nueces, San Patricio, and Willacy. Habitat: Primarily seacoasts on tidal flats and beaches, herbaceous wetland, and Tidal flat/shore.

Red-cockaded Woodpecker	*Picoides borealis*	LE	E

cavity nests in older pine (60+ years); forages in younger pine (30+ years); prefers longleaf, shortleaf, and loblolly

Snowy Plover	*Charadrius alexandrinus*		

formerly an uncommon breeder in the Panhandle; potential migrant; winter along coast

Sprague's Pipit	*Anthus spragueii*		

only in Texas during migration and winter, mid September to early April; short to medium distance, diurnal migrant; strongly tied to native upland prairie, can be locally common in coastal grasslands, uncommon to rare further west; sensitive to patch size and avoids edges.

White-faced Ibis	*Plegadis chihi*		T

prefers freshwater marshes, sloughs, and irrigated rice fields, but will attend brackish and saltwater habitats; nests in marshes, in low trees, on the ground in bulrushes or reeds, or on floating mats

White-tailed Hawk	*Buteo albicaudatus*		T

near coast on prairies, cordgrass flats, and scrub-live oak; further inland on prairies, mesquite and oak savannas, and mixed savanna-chaparral; breeding March-May

HARRIS COUNTY

BIRDS		Federal Status	State Status
Whooping Crane	*Grus americana*	LE	E

potential migrant via plains throughout most of state to coast; winters in coastal marshes of Aransas, Calhoun, and Refugio counties

Wood Stork	*Mycteria americana*		T

forages in prairie ponds, flooded pastures or fields, ditches, and other shallow standing water, including salt-water; usually roosts communally in tall snags, sometimes in association with other wading birds (i.e. active heronries); breeds in Mexico and birds move into Gulf States in search of mud flats and other wetlands, even those associated with forested areas; formerly nested in Texas, but no breeding records since 1960

FISHES		Federal Status	State Status
American eel	*Anguilla rostrata*		

coastal waterways below reservoirs to gulf; spawns January to February in ocean, larva move to coastal waters, metamorphose, then females move into freshwater; most aquatic habitats with access to ocean, muddy bottoms, still waters, large streams, lakes; can travel overland in wet areas; males in brackish estuaries; diet varies widely, geographically, and seasonally

Creek chubsucker	*Erimyzon oblongus*		T

tributaries of the Red, Sabine, Neches, Trinity, and San Jacinto rivers; small rivers and creeks of various types; seldom in impoundments; prefers headwaters, but seldom occurs in springs; young typically in headwater rivulets or marshes; spawns in river mouths or pools, riffles, lake outlets, upstream creeks

Smalltooth sawfish	*Pristis pectinata*	LE	E

different life history stages have different patterns of habitat use; young found very close to shore in muddy and sandy bottoms, seldom descending to depths greater than 32 ft (10 m); in sheltered bays, on shallow banks, and in estuaries or river mouths; adult sawfish are encountered in various habitat types (mangrove, reef, seagrass, and coral), in varying salinity regimes and temperatures, and at various water depths, feed on a variety of fish species and crustaceans

MAMMALS		Federal Status	State Status
Louisiana black bear	*Ursus americanus luteolus*	LT	T

possible as transient; bottomland hardwoods and large tracts of inaccessible forested areas

Plains spotted skunk	*Spilogale putorius interrupta*		

catholic; open fields, prairies, croplands, fence rows, farmyards, forest edges, and woodlands; prefers wooded, brushy areas and tallgrass prairie

Rafinesque's big-eared bat	*Corynorhinus rafinesquii*		T

roosts in cavity trees of bottomland hardwoods, concrete culverts, and abandoned man-made structures

Red wolf	*Canis rufus*	LE	E

extirpated; formerly known throughout eastern half of Texas in brushy and forested areas, as well as coastal prairies

HARRIS COUNTY

MAMMALS

		Federal Status	State Status
Southeastern myotis bat	*Myotis austroriparius*		

roosts in cavity trees of bottomland hardwoods, concrete culverts, and abandoned man-made structures

MOLLUSKS

		Federal Status	State Status
Louisiana pigtoe	*Pleurobema riddellii*		T

streams and moderate-size rivers, usually flowing water on substrates of mud, sand, and gravel; not generally known from impoundments; Sabine, Neches, and Trinity (historic) River basins

Sandbank pocketbook	*Lampsilis satura*		T

small to large rivers with moderate flows and swift current on gravel, gravel-sand, and sand bottoms; east Texas, Sulfur south through San Jacinto River basins; Neches River

Texas pigtoe	*Fusconaia askewi*		T

rivers with mixed mud, sand, and fine gravel in protected areas associated with fallen trees or other structures; east Texas River basins, Sabine through Trinity rivers as well as San Jacinto River

REPTILES

		Federal Status	State Status
Alligator snapping turtle	*Macrochelys temminckii*		T

perennial water bodies; deep water of rivers, canals, lakes, and oxbows; also swamps, bayous, and ponds near deep running water; sometimes enters brackish coastal waters; usually in water with mud bottom and abundant aquatic vegetation; may migrate several miles along rivers; active March-October; breeds April-October

Green sea turtle	*Chelonia mydas*	LT	T

Gulf and bay system; shallow water seagrass beds, open water between feeding and nesting areas, barrier island beaches; adults are herbivorous feeding on sea grass and seaweed; juveniles are omnivorous feeding initially on marine invertebrates, then increasingly on sea grasses and seaweeds; nesting behavior extends from March to October, with peak activity in May and June

Kemp's Ridley sea turtle	*Lepidochelys kempii*	LE	E

Gulf and bay system, adults stay within the shallow waters of the Gulf of Mexico; feed primarily on crabs, but also snails, clams, other crustaceans and plants, juveniles feed on sargassum and its associated fauna; nests April through August

Leatherback sea turtle	*Dermochelys coriacea*	LE	E

Gulf and bay systems, and widest ranging open water reptile; omnivorous, shows a preference for jellyfish; in the US portion of their western Atlantic nesting territories, nesting season ranges from March to August

Loggerhead sea turtle	*Caretta caretta*	LT	T

Gulf and bay system primarily for juveniles, adults are most pelagic of the sea turtles; omnivorous, shows a preference for mollusks, crustaceans, and coral; nests from April through November

HARRIS COUNTY

REPTILES

		Federal Status	State Status
Texas horned lizard	*Phrynosoma cornutum*		T

open, arid and semi-arid regions with sparse vegetation, including grass, cactus, scattered brush or scrubby trees; soil may vary in texture from sandy to rocky; burrows into soil, enters rodent burrows, or hides under rock when inactive; breeds March-September

		Federal Status	State Status
Timber rattlesnake	*Crotalus horridus*		T

swamps, floodplains, upland pine and deciduous woodlands, riparian zones, abandoned farmland; limestone bluffs, sandy soil or black clay; prefers dense ground cover, i.e. grapevines or palmetto

PLANTS

		Federal Status	State Status
Awnless bluestem	*Bothriochloa exaristata*		

GLOBAL RANK: G4; Coastal prairies on black clay; Perennial; Flowering April-Dec; Fruiting April- Dec

		Federal Status	State Status
Coastal gay-feather	*Liatris bracteata*		

Texas endemic; coastal prairie grasslands of various types, from salty prairie on low- lying somewhat saline clay loams to upland prairie on nonsaline clayey to sandy loams; flowering in fall

		Federal Status	State Status
Giant sharpstem umbrella-sedge	*Cyperus cephalanthus*		

in Texas on saturated, fine sandy loam soils, along nearly level fringes of deep prairie depressions; also in depressional area within coastal prairie remnant on heavy black clay; in Louisiana, most sites are coastal prairie on poorly drained sites, some on slightly elevated areas surrounded by standing shallow water, and on moderately drained sites; soils include very strongly acid to moderately alkaline silt loams and silty clay loams; flowering/fruiting May-June, August-September, and possibly other times in response to rainfall

		Federal Status	State Status
Goldenwave tickseed	*Coreopsis intermedia*		

GLOBAL RANK: G3; In deep sandy soils of sandhills in openings in or along margins of post oak woodlands and pine-oak forests of east Texas; Perennial; Flowering/Fruiting May-Aug

		Federal Status	State Status
Houston daisy	*Rayjacksonia aurea*		

Texas endemic; on and around naturally barren or sparsely vegetated saline slick spots or pimple mounds on coastal prairies, usually on sandy to sandy loam soils, occasionally in pastures and on roadsides in similar soil types where mowing may mimic natural prairie disturbance regimes; flowering late September-November (-December)

		Federal Status	State Status
Indianola beakrush	*Rhynchospora indianolensis*		

GLOBAL RANK: G3Q; Locally abundant in cattle pastures in some areas (at least during wet years), possibly becoming a management problem in such sites; Perennial; Flowering/Fruiting April-Nov

		Federal Status	State Status
Panicled indigobush	*Amorpha paniculata*		

A stout shrub, 3 m (9 ft) tall that grows in acid seep forests, peat bogs, wet floodplain forests, and seasonal wetlands on the edge of Saline Prairies in East Texas. It is distinguished from other Amorpha species by its fuzzy leaflets with prominent raised veins underneath, and the flower panicles, which are 8 to 16 inches long and slender, held above the foliage. Perennial; Flowering summer

HARRIS COUNTY

PLANTS

		Federal Status	State Status

Texas ladies'-tresses *Spiranthes brevilabris var. brevilabris*

Sandy soils in moist prairies, incl. blackland/Fleming prairies, calcareous prairie pockets surrounded by pines, pine-hardwood forest, open pinelands, wetland pine savannahs/flatwoods, and dry to moist fields, meadows, and roadsides. Delicate, nearly ephemeral orchid, producing winter rosettes, flowers Feb-Apr. Historically endemic to SE coastal plain.

Texas meadow-rue *Thalictrum texanum*

Texas endemic; mostly found in woodlands and woodland margins on soils with a surface layer of sandy loam, but it also occurs on prairie pimple mounds; both on uplands and creek terraces, but perhaps most common on claypan savannas; soils are very moist during its active growing season; flowering/fruiting (January-)February-May, withering by midsummer, foliage reappears in late fall(November) and may persist through the winter

Texas prairie dawn *Hymenoxys texana* LE E

Texas endemic; in poorly drained, sparsely vegtated areas (slick spots) at the base of mima mounds in open grassland or almost barren areas on slightly saline soils that are sticky when wet and powdery when dry; flowering late February-early April

Texas tauschia *Tauschia texana*

GLOBAL RANK: G3; Occurs in loamy soils in deciduous forests or woodlands on river and stream terraces; Perennial; Flowering/Fruiting Feb-April

Texas windmill-grass *Chloris texensis*

Texas endemic; sandy to sandy loam soils in relatively bare areas in coastal prairie grassland remnants, often on roadsides where regular mowing may mimic natural prairie fire regimes; flowering in fall

Threeflower broomweed *Thurovia triflora*

Texas endemic; near coast in sparse, low vegetation on a veneer of light colored silt or fine sand over saline clay along drier upper margins of ecotone between between salty prairies and tidal flats; further inland associated with vegetated slick spots on prairie mima mounds; flowering September-November

Appendix XX GLO BW8

U.S. Fish & Wildlife Service: Endangered Species of Harris County, TX

Group	Common Name	Scientific Name	Population	Status	Lead Office	Recovery Plan	Recovery Plan Stage
Birds	Bald eagle	*Haliaeetus leucocephalus*	lower 48 States	Recovery	Rock Island Ecological Services Field Office	Recovery Plan for the Pacific Bald Eagle	Final
Birds	Bald eagle	*Haliaeetus leucocephalus*	lower 48 States	Recovery	Rock Island Ecological Services Field Office	Chesapeake Bay Bald Eagle Recovery Plan	Final Revision 1
Birds	Bald eagle	*Haliaeetus leucocephalus*	lower 48 States	Recovery	Rock Island Ecological Services Field Office	Northern States Bald Eagle Recovery Plan	Final
Birds	Bald eagle	*Haliaeetus leucocephalus*	lower 48 States	Recovery	Rock Island Ecological Services Field Office	Southeastern States Bald Eagle Recovery Plan	Final Revision 1
Birds	Bald eagle	*Haliaeetus leucocephalus*	lower 48 States	Recovery	Rock Island Ecological Services Field Office	Southwestern Bald Eagle Recovery Plan	Final
Flowering Plants	Texas prairie dawn-flower	*Hymenoxys texana*		Endangered	Texas Coastal Ecological Services Field Office	Hymenoxys texana Recovery Plan	Final
Mammals	West Indian Manatee	*Trichechus manatus*	Entire	Endangered	North Florida Ecological Services Field Office	Florida Manatee Recovery Plan, Third Revision	Final Revision 3
Mammals	West Indian Manatee	*Trichechus manatus*	Entire	Endangered	North Florida Ecological Services Field Office	Recovery Plan Puerto Rican Population of the West Indian (Antillean) Manatee	Final

Date Accessed: 5/23/2016

Source: http://ecos.fws.gov/tess public/reports/species-by-current-range-county?fips=48201

APPENDIX C

Draft Letter for Government Agencies

PAPE-DAWSON ENGINEERS

June 24, 2016

Agency/Office
Address Line 1
City, State Zip Code

Re: Texas State Veterans' Community Living Center in Houston, Texas

Dear [Addressee]:

The Texas Veterans' Land Board (VLB) is proposing to build a community living center in Houston, Texas to serve eligible veterans in Texas. The community living center would serve a veteran population of approximately 296,100. The proposed 18-acre site is located in Harris County, within Houston city limits, north of the intersection of Beltway 8 Frontage Road and Cottingham Street (see attached figure). The proposed site is currently undeveloped.

Pape-Dawson Engineers, Inc. is preparing an Environmental Assessment to evaluate the impacts of the proposed living center and comply with the requirements of the National Environmental Policy Act. Pape-Dawson is currently in the process of collecting and evaluating environmental data for the proposed community living center site. As a part of this effort, we are requesting that your agency/office relay any concerns or relevant information that you may have regarding the potential environmental effects from construction of the community living center. Pape-Dawson would greatly appreciate receiving your comments regarding natural, cultural, or human resources of the proposed living center site that are of concern to your agency/office.

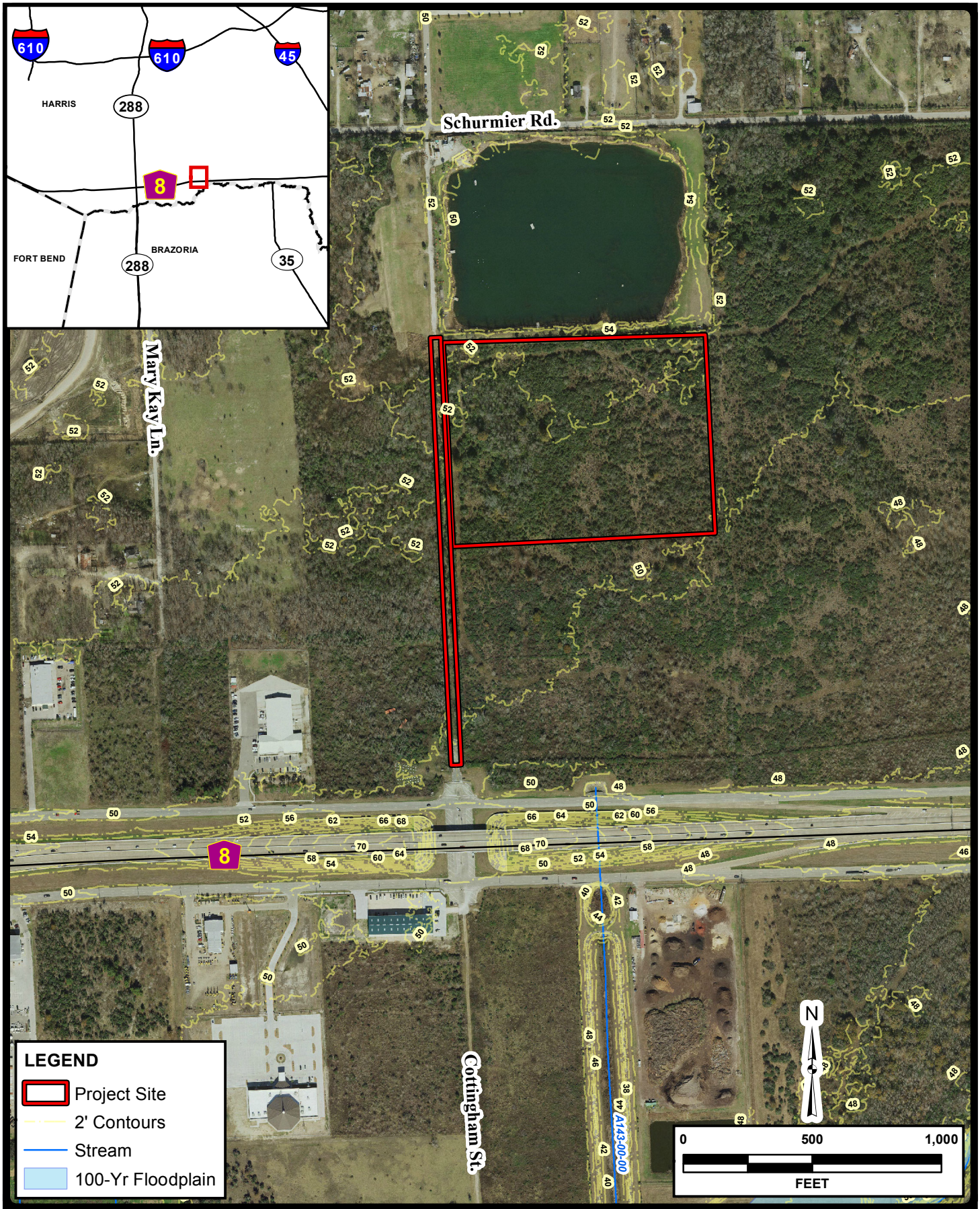
Your comments will be an important consideration in the assessment of impacts. In addition, should you identify any area requiring permits, easements, or other approvals by your agency/office, or if you are aware of any major proposed development or construction in the area, we would also appreciate receiving this information. If you have any questions concerning the proposed project or our request for information, please call Valerie Collins at 210-375-9000. Your earliest reply would be most appreciated.

Sincerely,
Pape-Dawson Engineers, Inc.

Valerie Collins, AICP
Sr. Environmental Manager

H:\508\87\00\Word\Reports\EA\Letters\50887-00 - Draft Letter 160607.docx

	Agency/Office	Person of Contact	Address
1	USACE - Galveston District - Chief, Planning, Environmental, and Regulatory Division	Dolan Dunn	PO Box 1229, Galveston, TX 77551
2	EPA - Region 6 Administrator	Ron Curry	1445 Ross Ave., Dallas, TX 75202
3	USFWS - Ecological Services, Assistant Field Supervisor	David Hoth	17629 El Camino Real, #211, Houston, TX 77058
4	FEMA - Region 6 Environmental Officer	Kevin Jaynes	FRC 800 North Loop 288, Denton, TX 76209
5	FAA - Southwest Regional Administrator	Kelvin L. Solco	10101 Hillwood Pkwy., Fort Worth, TX 76177
6	TxDOT - Dept. of Aviation, Manager, Planning, & Programming	Scott Gallagher	150 E Riverside Dr., Austin, TX 78704
7	TxDOT - Director, Envtl. Affairs	Carlos Swonke	125 E 11th St., Austin, TX 78701
8	TCEQ - Executive Director	Richard A. Hyde	PO Box 13087, Austin, TX 78711
9	THC - Executive Director	Mark Wolfe	PO Box 12276, Austin, TX 78701
10	TPWD - Wildlife Habitat Assessment Program	Rachel Lange	4200 Smith School Rd., Austin, TX 78744
11	TWDB - Deputy Executive Administrator for Water Science and Conservation	Robert E. Mace	1700 North Congress Ave., PO Box 13231, Austin, TX 78711
12	NRCS Texas State Office - State Conservationist	Salvador Salinas	101 South Main Street, Temple, TX 76501
13	Houston-Galveston Area Council - Executive Director	Jack Steele	PO Box 22777, Houston, TX 77227
14	Harris County Judge, Precinct 7, Place 1	Judge Hilary H. Green	5737 Cullen Blvd., Houston, TX 77021
15	Harris County Judge, Precinct 7, Place 2	Judge Zinetta Burney	5300 Griggs Rd., Houston, TX 77021
16	Harris County - Precinct 1 Commissioner	Gene L. Locke	7901 El Rio St., Houston, TX 77054
17	Mayor of Houston	Sylvester Turner	PO Box 1562, Houston, TX 77251
18	Houston Independent School District - Superintendent of Schools	Ken Huewitt	4400 West 18th St., Houston, TX 77092



JOB NO.	50887-00
DATE	Jun 2016
DESIGNER	PSS
CHECKED	VC
DRAWN	PSS
SHEET	EXHIBIT 01

HOUSTON COMMUNITY LIVING CENTER

Environmental Assessment
Site Map

PAPE-DAWSON ENGINEERS
2000 NW LOOP 410 | SAN ANTONIO, TEXAS 78213 | PHONE: 210.375.9000 FAX: 210.375.9010
TEXAS BOARD OF PROFESSIONAL ENGINEERS, FIRM REGISTRATION # 470
TEXAS BOARD OF PROFESSIONAL LAND SURVEYING, FIRM REGISTRATION # 10028800

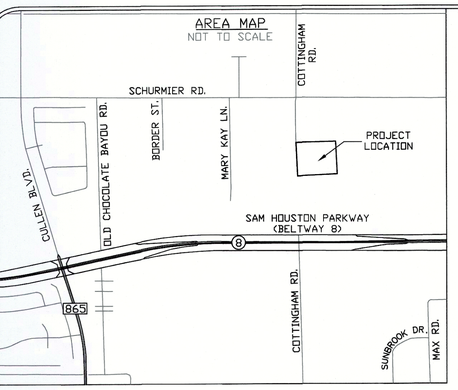
Date: Jun 07, 2016 2:05:10 PM User: SShashy
File: H:\projects\50887000\GIS\Environmental\50887-00 - EXXX_Letter Site Map.mxd

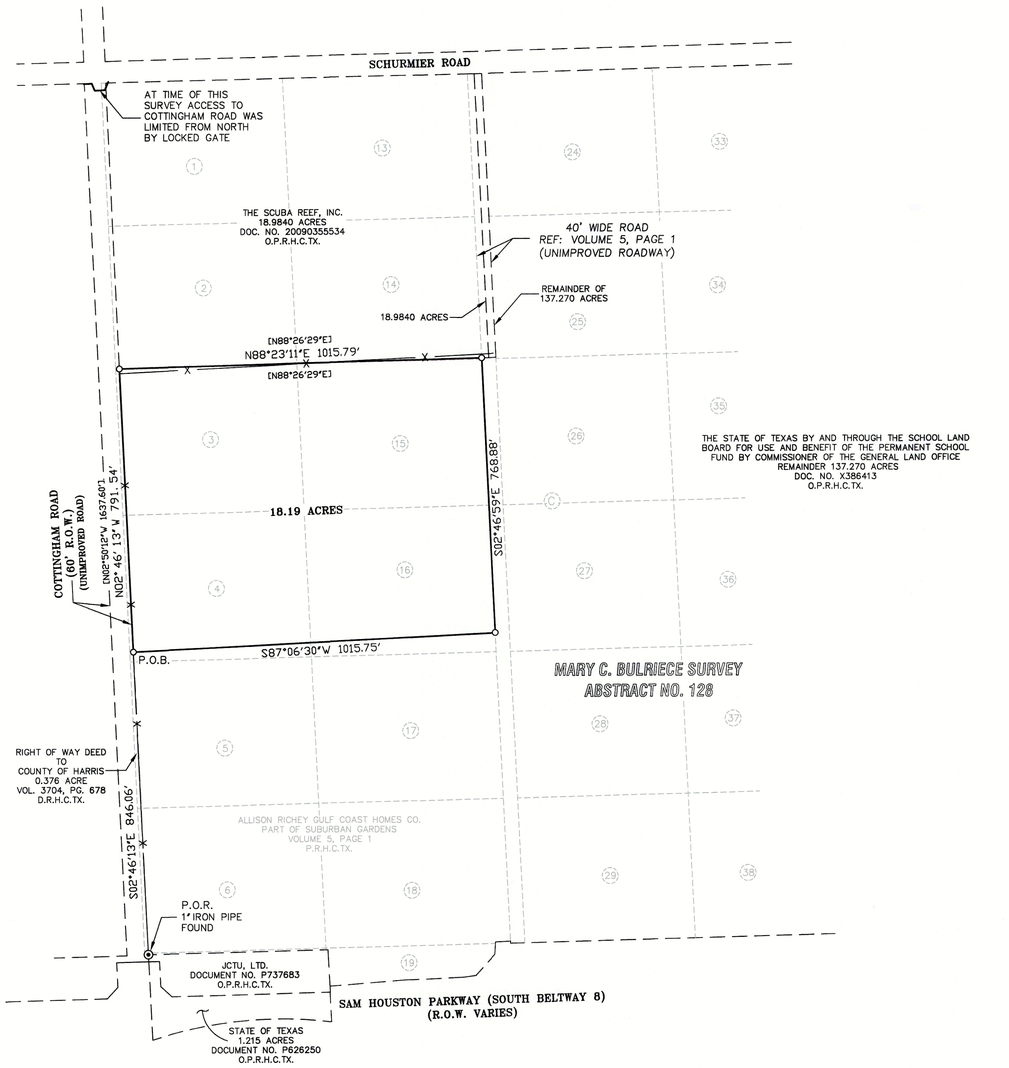
APPENDIX D

GLO Survey Plat

TEXAS VETERANS HOME
CITY OF HOUSTON,
HARRIS COUNTY,
STATE OF TEXAS

AREA MAP
NOT TO SCALE





SCALE IN FEET
200 100 0 200
1" = 200 FEET

LEGEND

⊙	PIPE FOUND AS NOTED
○	5/8" REBAR W/YELLOW GLO CAP SET
P.O.B.	POINT OF BEGINNING
P.O.R.	POINT OF REFERENCE
O.P.R.H.C.TX.	OFFICIAL PUBLIC RECORDS HARRIS COUNTY, TEXAS
P.R.H.C.TX.	PLAT RECORDS HARRIS COUNTY, TEXAS
[ ]	RECORDED BEARING/DISTANCE
—X—	WIRE FENCE
	LOT LINE (VOLUME 5, PAGE 1, PLAT RECORDS)

SURVEY PLAT FOR 18.19 ACRES OF LAND, MORE OR LESS, OUT OF THE MARY C. BULRIECE SURVEY, ABSTRACT 128, HARRIS COUNTY, TEXAS; PART OF 137.270 ACRES CONVEYED AS TRACT ONE IN A SPECIAL WARRANTY DEED TO THE STATE OF TEXAS BY AND THROUGH THE SCHOOL LAND BOARD FOR USE AND BENEFIT OF THE PERMANENT SCHOOL FUND BY COMMISSIONER OF THE GENERAL LAND OFFICE, EXECUTED THE 5TH DAY OF FEBRUARY, 2004, RECORDED AS DOCUMENT NO. X386413, OF THE OFFICIAL PUBLIC RECORDS OF HARRIS COUNTY, TEXAS; ALSO BEING PART OF LOT NOS. 3, 4 AND 16, AND ALL OF LOT NO. 15, ALL IN BLOCK C OF ALLISON-RICHEY GULF COAST HOMES CO., PART OF SUBURBAN GARDENS, A SUBDIVISION OF HARRIS COUNTY ACCORDING TO THE PLAT OF RECORD IN VOLUME 5 AT PAGE 1 OF THE PLAT RECORDS OF HARRIS COUNTY, TEXAS.

SURVEYOR'S CERTIFICATE:

PROPERTY ADDRESS: SAM HOUSTON PARKWAY (SOUTH BELTWAY 8)

DATE OF SURVEY: MARCH, 2016

BEARING BASIS: Grid North, Texas Coordinate System, NAD 83, Texas South Central Zone. Distances are grid feet with a combined scale factor of 0.99987575.

FIELD SURVEY PERSONNEL: Mike Grogan, RPLS, LSLS; David Holmes; and Travis Buaas

I hereby certify that this plat and accompanying field notes descriptions are accurate representations of the property shown and described hereon as determined by a survey made on the ground, under my direction and supervision; and that all corners are marked as shown.

PRELIMINARY,
THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED OR VIEWED OR RELIED UPON AS A FINAL SURVEY DOCUMENT.

Mike A. Grogan Date:
Registered Professional Land Surveyor No. 5296
Licensed State Land Surveyor

TEXAS GENERAL LAND OFFICE
GEORGE P. BUSH, COMMISSIONER
1700 CONGRESS AVENUE
AUSTIN, TEXAS 78701
(512) 475-1585

DATE: 03/2016	COUNTY: HARRIS	SHEET 1 OF 1
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APPENDIX E

Intensive Archaeological Survey

TEXAS HISTORICAL COMMISSION
real places telling real stories

May 20, 2016

Virginia Moore
Pape-Dawson Engineers, Inc.
7800 Shoal Creek Blvd., Suite 220 West
Austin, TX 78757

Re: Project review under the Antiquities Code of Texas
18.19-Acre Texas State Veterans Home Project, Harris County, Texas
Texas Antiquities Permit Application **#7651**

Dear Colleague:

Thank you for your Antiquities Permit Application for the above referenced project. This letter presents the final copy of the permit from the Executive Director of the Texas Historical Commission (THC), the state agency responsible for administering the Antiquities Code of Texas.

Please keep this copy for your records. The Antiquities Permit investigations requires the production and submittal of one printed copy of the final report, a completed abstract form submitted via our online system, two copies of the tagged PDF final report on CD (one with site location information & one without), and verification that any artifacts recovered and records produced during the investigations are curated at the repository listed in the permit. The abstract form maybe submitted via the THC website (www.thc.state.tx.us) or use url: http://xapps.thc.state.tx.us/Abstract/login.aspx Additionally, you must send the THC shapefiles showing the boundaries of the project area *and* the areas actually surveyed via email to archeological_projects@thc.state.tx.us.

If you have any questions concerning this permit or if we can be of further assistance, please contact Lillie Thompson at 512/463-1858. The reviewer for this project is Bill Martin, 512/463-6096.

Sincerely,

William A. Martin

for
Mark Wolfe
Executive Director

MW/lft

Enclosures

Cc: Mike Kolejka, The Orcutt/Winslow Architects

RECEIVED
MAY 31 2016

State of Texas

TEXAS ANTIQUITIES COMMITTEE

ARCHEOLOGY PERMIT # 7651

This permit is issued by the Texas Historical Commission, hereafter referred to as the Commission, represented herein by and through its duly authorized and empowered representatives. The Commission, under authority of the Texas Natural Resources Code, Title 9, Chapter 191, and subject to the conditions hereinafter set forth, grants this permit for:

Intensive Survey

To be performed on a potential or designated landmark or other public land known as:

Title: ***18.19-Acre Texas State Veterans Home Project***

County: ***Harris***

Location: ***Houston, Harris County, Texas***

Owned or Controlled by: (hereafter known as the Permittee):

General Land Office

1700 Congress Avenue, Suite 800
Austin, TX 78701

Sponsored by (hereafter known as the Sponsor

The Orcutt/Winslow Architects

3003 North Central Avenue, 16th Floor
Phoenix, AZ 85012

The Principal Investigator/Investigation Firm representing the Owner or Sponsor is:

Virginia Moore

Pape-Dawson Engineers

7800 Shoal Creek Blvd., Suite 220 West

Austin, TX 78757

This permit is to be in effect for a period of:

4 Years and 0 Months

and Will Expire on:

05/16/2020

During the preservation, analysis, and preparation of a final report or until further notice by the Commission, artifacts, field notes, and other data gathered during the investigation will be kept temporarily at:

Pape-Dawson Engineers, Inc. (Austin)

Upon completion of the final permit report, the same artifacts, field notes, and other data will be placed in a permanent curatorial repository at:

Texas Archeological Research Lab.

Scope of Work under this permit shall consist of:

An intensive pedestrian archaeological survey with shovel testing of high probability areas that meets or exceeds the State Archeological Survey Standards for Texas. This includes, subsurface shovel testing of pedestrian survey transects and mechanical testing in appropriate alluvial areas. For details, see research design submitted with permit application.

ARCHEOLOGY PERMIT # 7651

This permit is granted on the following terms and conditions:

1) This project must be carried out in such a manner that the maximum amount of historic, scientific, archeological, and educational information will be recovered and preserved and must include the scientific, techniques for recovery, recording, preservation and analysis commonly used in archeological investigations. All survey level investigations must follow the state survey standards and the THC survey requirements established with the projects sponsor(s).

2) The Principal Investigator/Investigation Firm, serving for the Owner/Permittee and/or the Project Sponsor, is responsible for insuring that specimens, samples, artifacts, materials and records that are collected as a result of this permit are appropriately cleaned, and cataloged for curation. These tasks will be accomplished at no charge to the Commission, and all specimens, artifacts, materials, samples, and original field notes, maps, drawings, and photographs resulting from the investigations remain the property of the State of Texas, or its political subdivision, and must be curated at a certified repository. Verification of curation by the repository is also required, and duplicate copies of any requested records shall be furnished to the Commission before any permit will be considered complete.

3) The Principal Investigator/Investigation Firm serving for the Owner/Permittee, and/or the Project Sponsor is responsible for the publication of results of the investigations in a thorough technical report containing relevant descriptions, maps, documents, drawings, and photographs. A draft copy of the report must be submitted to the Commission for review and approval. Any changes to the draft report requested by the Commission must be made or addressed in the report, or under separate written response to the Commission. Once a draft has been approved by the Commission, one (1) printed, unbound copy of the final report containing at least one map with the plotted location of any and all sites recorded and two copies of the report in tagged PDF format on an archival quality CD or DVD shall be furnished to the commission. One copy must include the plotted location of any and all sites recorded and the other should not include the site location data. A paper copy and an electronic copy of the completed Abstracts in Texas Contract Archeology Summary Form must also be submitted with the final report to the Commission. (Printed copies of forms are available from the Commission or also online at www.thc.state.tx.us.)

4) If the Owner/Permittee, Project Sponsor or Principal Investigator/Investigation Firm fails to comply with any of the Commission's Rules of Practice and Procedure or with any of the specific terms of this permit, or fails to properly conduct or complete this project within the allotted time, the permit will fall into default status. A notification of Default status shall be sent to the Principal Investigator/Investigation Firm, and the Principal Investigator will not be eligible to be issued any new permits until such time that the conditions of this permit are complete or, if applicable, extended.

5) The Owner/Permittee, Project Sponsor, and Principal Investigator/Investigation Firm, in the conduct of the activities hereby authorizes, must comply with all laws, ordinances and regulations of the State of Texas and of its political subdivisions including, but not limited to, the Antiquities Code of Texas; they must conduct the investigation in such a manner as to afford protection to the rights of any and all lessees or easement holders or other persons having an interest in the property and they must return the property to its original condition insofar as possible, to leave it in a state which will not create hazard to life nor contribute to the deterioration of the site or adjacent lands by natural forces.

6) Any duly authorized and empowered representative of the Commission may, at any time, visit the site to inspect the fieldwork as well as the field records, materials, and specimens being recovered.

7) For reasons of site security associated with historical resources, the Project Sponsor (if not the Owner/Permittee), Principal Investigator, Owner, and Investigation Firm shall not issue any press releases, or divulge to the news media, either directly or indirectly, information regarding the specific location of, or other information that might endanger those resources, or their associated artifacts without first consulting with the Commission, and the State agency or political subdivision of the State that owns or controls the land where the resource has been discovered.

8) This permit may not be assigned by the Principal Investigator/Investigation Firm, Owner/Permittee, or Project Sponsor in whole, or in part to any other individual, organization, or corporation not specifically mentioned in this permit without the written consent of the Commission.

9) Hold Harmless: The Owner/Permittee hereby expressly releases the State and agrees that Owner/Permittee will hold harmless, indemnify, and defend (including reasonable attorney's fees and cost of litigation) the State, its officers, agents, and employees in their official and/or individual capacities from every liability, loss, or claim for damages to persons or property, direct or indirect of whatsoever nature arising out of, or in any way connected with, any of the activities covered under this permit.The provisions of this paragraph are solely for the benefit of the State and the Texas Historical Commission and are not intended to create or grant any rights, contractual or otherwise, to any other person or entity.

10) Addendum: The Owner/Permittee, Project Sponsor and Principal Investigator/Investigation Firm must abide by any addenda hereto attached.

Upon a finding that it is in the best interest of the State, this permit is issued on 05/16/2016.

Pat Mercado-Allinger

Pat Mercado-Allinger, for the
Texas Historical Commission

Intensive Archaeological Survey of the Texas State Veterans Home Project in Houston, Harris County, Texas

Antiquities Permit #7651

Principal Investigator: Virginia Moore, M.A.

Prepared for
Orcutt Winslow Architects
3003 N. Central Ave. 16th Floor
Phoenix AZ, 85012

Report Author: Virginia Moore

Pape-Dawson
7800 Shoal Creek Blvd
Suite 220W
Austin, TX 78757

June 2016

Abstract

At the request of Orcutt Winslow Architects, Pape-Dawson conducted an intensive archaeological survey for the proposed 18.19-acre (7.36- hectare [ha]) development for the Texas State Veterans Home situated on lands owned by the General Land Office (GLO) in Houston, Harris County, Texas. The proposed project would include the construction of a state veterans home and its associated driveways, parking lots, and utility installations. The roughly rectangular area of potential effects (APE) is along Cottingham Road (Future MLK Boulevard [Blvd.]) and about 815 feet (ft) (248 meter [m]) south of the roadway's intersection with Schurmier Road. State Highway Beltway 8 (BW8) is approximately 943 ft (287 m) to the south of the APE, which is maximally 1,016 ft (310 m) east to west and 829 ft (253 m) north to south.

Since the APE is owned by the GLO, a political subdivision of the state, compliance with the Antiquities Code of Texas (ACT) is necessary. It is anticipated that the U.S. Department of Veterans Affairs (VA) will provide funding for this project; therefore, compliance with Section 106 of the National Historic Preservation Act (NHPA) (Title 36 Code of Federal Regulations Part 800.4 [36 CFR 800.4]) is also necessary. The purpose of the investigations was to identify all historic or prehistoric cultural resources located within the APE and to evaluate the significance and eligibility of identified resources for inclusion to the National Register of Historic Places (NRHP) and for designation as State Antiquities Landmarks (SALs). All work was done in accordance with the archaeological survey standards and guidelines as developed by the Council of Texas Archaeologists (CTA) and adopted by the Texas Historical Commission (THC).

The intensive pedestrian survey was conducted by Pape-Dawson archeologists on May 25, 2016. The APE was subject to visual inspection supplemented by judgmentally placed shovel tests in order to evaluate the impact of the proposed project on archeological resources. This work was conducted under Texas Antiquities Permit No. 7651. A total of 12 shovel tests were excavated, exceeding the minimum archeological survey standards established by the CTA/THC. All shovel tests were negative for archeological material. No artifacts were collected, and all project records and photographs will be curated at Texas Archeological Research Laboratory at The University of Texas at Austin.

No archeological sites were previously recorded at this location and none were identified during the current survey. In accordance with 36 CFR 800.4, Pape-Dawson has made a reasonable and good faith effort to identify archaeological historic properties within the APE. As no properties were identified that meet the criteria for listing in the NRHP according to 36 CFR 60.4 or for designation as an SAL according to 13 TAC 26.12, Pape-Dawson recommends no further work.

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List of Figures

Management Summary

Orcutt Winslow Architects proposes to develop an 18.19-acre (7.36-ha) community for a Texas State Veterans Home situated on lands owned by the GLO in Houston, Harris County, Texas. The proposed project would include the construction of a state veterans home and its associated driveways, parking lots, and utility installations. The roughly rectangular APE is along Cottingham Road (Future MLK Blvd.) and about 815 feet (ft) (248 m) south of the roadway's intersection with Schurmier Road. BW8 is about 943 ft (287 m) to the south of the APE, which is maximally 1,016 ft (310 m) east to west and 829 ft (253 m) north to south.

Since the APE is owned by the GLO, a political subdivision of the state, compliance with the ACT will be necessary. It is anticipated that the VA will provide funding for this project; therefore, compliance with Section 106 of the NHPA (36 CFR 800.4) is necessary. The purpose of the investigations was to identify all historic or prehistoric cultural resources located within the APE and to evaluate the significance and eligibility of identified resources for inclusion to the NRHP. All work was done in accordance with the archaeological survey standards and guidelines as developed by the CTA/THC.

Pape-Dawson archaeologists conducted an archeological investigation of the proposed APE on May 25, 2016. Virginia Moore was the Principal Investigator, Alemea Young was the Project Archaeologist, and Katie Hill served as the field crew with a combined 12 person hours spent in the field. No cultural resources were observed during the survey efforts, and no archaeological sites were recorded. Therefore, it is recommended that no further archaeological work is necessary for the proposed undertaking and that the project be allowed to proceed.

Introduction

Orcutt Winslow Architects proposes to develop the Texas State Veterans Home on a 18.19-acre (7.36-hectare [ha]) tract of land owned by the General Land Office (GLO) in Houston, Harris County, Texas (Figures 1 and 2). The proposed development would include the construction of a state veterans home and its associated driveways, parking lots, and utility installations. The roughly rectangular area of potential effects (APE) is along Cottingham Road (Future MLK Boulevard [Blvd.]) and about 815 feet (ft) (248 meter [m]) south of the roadway's intersection with Schurmier Road. State Highway Beltway 8 (BW8) is about 943 ft (287 m) to the south of the APE, which is maximally 1,016 ft (310 m) east to west and 829 ft (253 m) north to south.

Since this APE is owned by the GLO, a political subdivision of the state, compliance with the Antiquities Code of Texas (ACT) will be necessary. It is anticipated that the U.S. Department of Veterans Affairs (VA) will provide funding for this project; therefore, compliance with Section 106 of the National Historic Preservation Act (NHPA) (Title 36 Code of Federal Regulations Part 800.4 [36 CFR 800.4]) is necessary. Pape-Dawson archaeologists obtained Texas Antiquities Permit No. 7651 prior to initiating the field effort. All work was done in accordance with the archaeological survey standards and guidelines as developed by the Council of Texas Archaeologists (CTA) and adopted by the Texas Historical Commission (THC).

At the request of Orcutt Winslow Architects, an intensive archeological survey was performed by Pape-Dawson for the proposed Texas State Veterans Home project. Fieldwork took place on May 25, 2016. Virginia Moore served as Principal Investigator and was assisted in the field by Alemea Young and Katie Hill. The goals of the investigation were to (1) locate all prehistoric and historic archeological sites, if present, within the APE; (2) establish vertical and horizontal site boundaries, as appropriate with respect to the boundaries of the APE; (3) evaluate the significance of recorded sites with regard to eligibility for listing on the National Register of Historic Places (NRHP) and for designation as a State Antiquities Landmark (SAL).

Project Setting

The APE is situated in northwest Pearland, just north of BW8 (also known as Sam Houston Parkway). A review of historic and modern topographic maps and aerials suggests that the APE was open prairie or cleared pasture by 1953 and did not become completely overgrown until the late 2000s (Nationwide Environmental Title Research [NETR] 2016). Located in the Gulf Coastal Plains physiographic region (Wermund 1996), the APE is within the Clear Creek drainage. The Texas Coastal Plain is a low, level to gently sloping region extending from Florida to Mexico, as far north as the Ouachita uplift in Oklahoma, and as far west as the Balcones escarpment. The project APE is geologically mapped as Pleistocene-age Beaumont Formation, which is comprised of clay, silt and sand with some areas of predominately clay with low permeability, while other areas are mostly clayey sand and silt with moderate permeability and drainage (Barnes 1982).

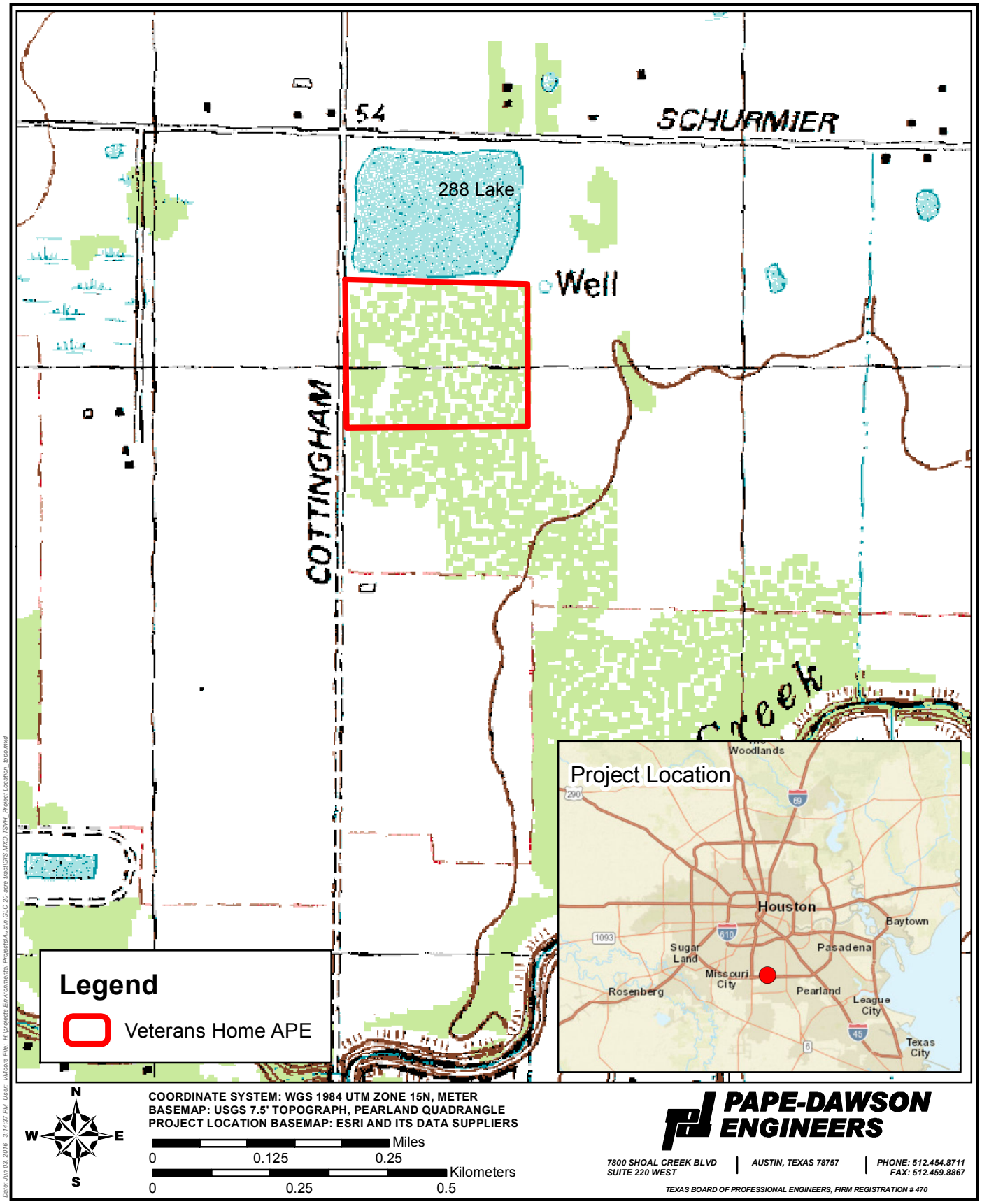

Figure 1 : Project Location - Topographic Map

Figure 2 : Project Location - Aerial Image

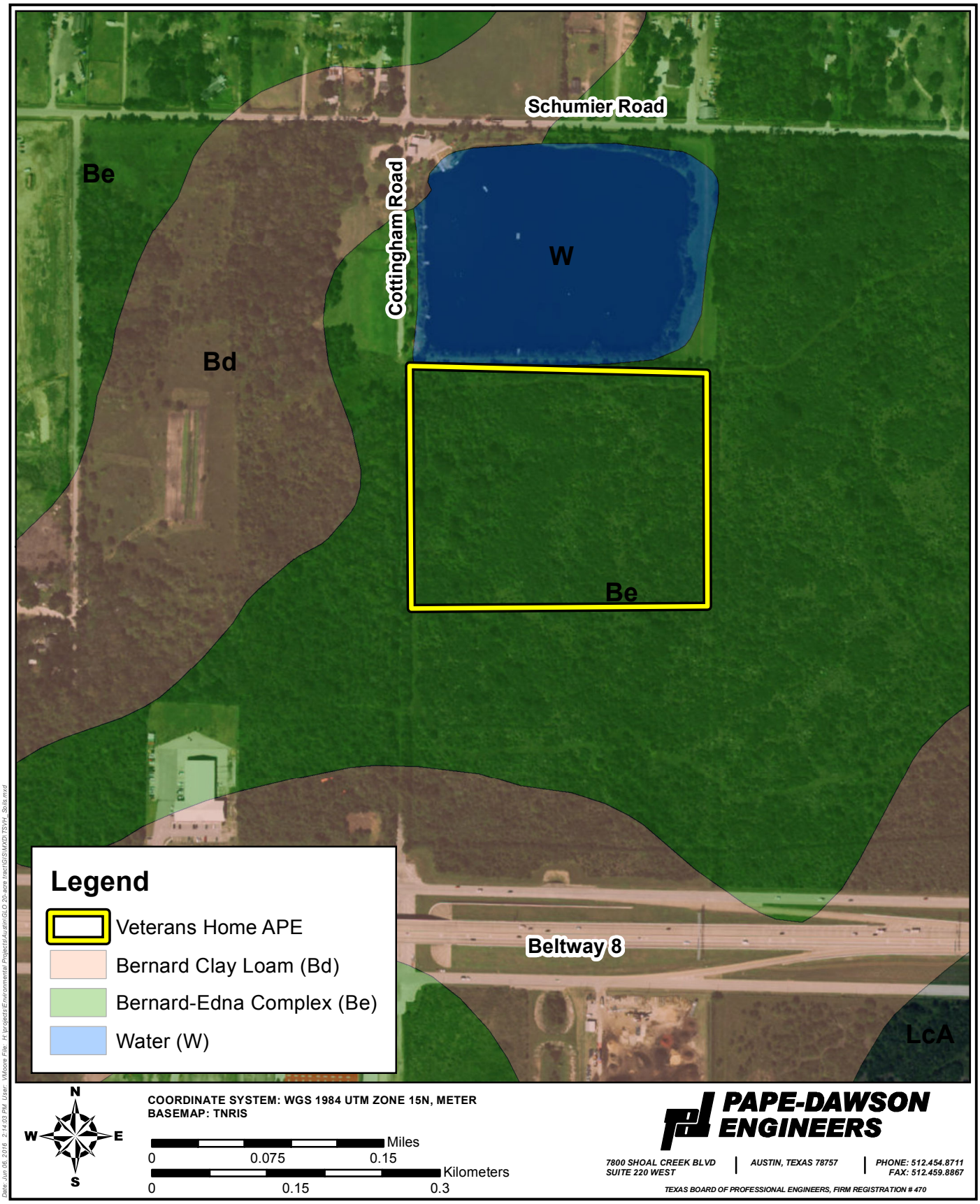

Figure 3 : Soils in APE

The soils that formed within these Pleistocene-age deposits in the APE belong to the Bernard-Edna Complex (Be) and the Bernard (Bd) series. The predominant soil within the APE is mapped as the Bernard-Edna Complex with 0 to 1 percent slopes. The Bernard-Edna series consist of very deep and somewhat poorly drained soils that formed in either clayey or loamy fluviomarine deposits derived from igneous, metamorphic and sedimentary rock. These soils are on flat coastal plains and ancient meander ridges. The typical profile of these soils is clay loam at depths from 0 to 6 inches (0 to 15 centimeters [cm]) and clay from 6 to 65 inches (15 to 165 cm) (U.S. Department of Agriculture [USDA] 2016). According to Abbott (2001: Table 2) this soil is an upland, ancient (pre-Holocene) alluvium with a low potential or likelihood to contain buried prehistoric sites.

Cultural Chronology of Southeast Texas

Cultural developments in this region are typically classified by archaeologists according to four primary chronological time periods: Paleoindian, Archaic, Late Prehistoric, and Historic. These classifications have been defined primarily by changes in material culture and subsistence strategies over time as evidenced through information and artifacts recovered from archaeological sites. In addition, they roughly correspond to patterns of environmental change as described by Aten (1983): The Late Glacial environment (12,000-9000 years B.P), post-Pleistocene (9000-3000 B.P.), and relatively modern environmental conditions which developed approximately 3000 B.P.

Paleoindian Period (11, 500 B.P.– 8,800 B.P.)

The Paleoindian period, generally accepted as the earliest cultural period of the Americas, straddles the end of the Pleistocene era and the beginning of the Holocene. This period is alternatively known as the time of the "Big Game Hunting" tradition, due to the exploitation of now-extinct species of Pleistocene megafauna such as mastodon, mammoth, bison, horse, and camel. However, few megafuanal assemblages have been found in association with Paleoindian sites in Texas and it is thought that Paleoindian peoples probably largely subsisted on a wide range of plants and small game (Patterson 1995). Coastal Paleoindian sites represent inland occupations as the coastline during this time extended 30-40 km beyond its present day location (Ricklis 2004). Generally, temporal associations are based on stone tool assemblages including unifacial side scrappers, gravers, and lanceolate projectile points. A number of Paleoindian points; Clovis, Scottsbluff, Plainview, Angostura, San Patrice and Meserve points, have been found in Harris County.

Archaic Period (8,800 B.P. – 1,200 B.P.)

The beginning of the Archaic Period coincides with the termination of the Wisconsin Glacial period characterized by warmer temperatures, rising sea levels, and the extinction of Pleistocene megafauna. This period is divided into three sub-periods: Early, Middle, and Late. Very few Early Archaic (8,800 B.P. to 5,000 B.P.) sites have been identified in the region possibly due to lower population densities during this transitional period, though since sea levels had not reached modern levels by this time, it is probable that coastal sites associated with the Early Archaic are underwater and/or deeply buried. Those Early Archaic sites identified tend to be located along the inner coastal plain (Story 1990). The changing environmental conditions during this period were the impetus for a growing new ecosystem

exploited by early inhabitants of the region who are thought to have relied heavily upon the hunting of smaller animals, gathering of plant resources, and the exploitation of marine resources. As demonstrated by a number of shell middens dating to this period documented in the middle Texas Gulf Coast (Ricklis 2004). As diets changed, so did the stone tool technology used to procure and process these new plants and animals. In general, Archaic people began to make their projectile points with stems and points as the lanceolate form fell from use. These changes in stone tool technology are evident on the Early Archaic points found in the region: Bell, Trinity, and Carrolton points (Patterson 1995).

It is postulated that during the Middle Archaic (5,000 to 3,000 B.P.), population increases and the ubiquitous variety of artifact assemblages denote emerging social and exchange relationships based on group territoriality (Aten 1983) and some limiting of group mobility. New points associated with this expansion in technology include Bulverde, Lange, Pedernales, Williams, and Travis. Middle Archaic sites are more frequent along the coast and shell middens are an important expression of subsistence activities during this period. Organized mortuary practices first appear at this time in the western part of southeast Texas, though it did not reach full development until the Late Archaic (Ricklis 2004)

During the Late Archaic (3,000 to 1,200 B.P.), population increased significantly, as evidenced by an increase in the number of sites as well as intra-site artifacts (Aten 1982). This corresponds to the development of modern climactic conditions leading to the stabilization of sea levels, and expansion of coastal woodlands. Hall (1981) noted the development of trade with Woodland cultures to the east during the Late Archaic as seen in the various artifact assemblages from multiple sites in the region. Limited evidence suggests a settlement system for the Late Archaic which may have included a seasonal round with group dispersal in coastal areas during summer months (Aten 1983). However, the occurrence of shell middens at Late Archaic sites is not as common as at later sites (Patterson 1995). Cemeteries located along major streams from this period seem to indicate a higher degree of territoriality (Story 1985). Projectile points diagnostic of Late Archaic occupations include Gary, Kent, Yarbrough, Ellis, Darl, Fairland, Palmillas, and Refugio types (Patterson 1995).

Late Prehistoric (1,200 B.P. – 250 B.P.)

The Late Prehistoric Period spans the period from the introduction of ceramics to after the arrival of Europeans. Following Wheat's (1953) observations in Addicks Reservoir, the period has been termed the Early Ceramic and the Late Ceramic. Notable innovations during this period include the development of the development of ceramics. The period is characterized by the appearance of sandy-paste pottery across the region referred to as the Mossy Grove Tradition (Aten 1983, Story 1990). The primary characterization of this tradition is the plain, sandy-paste Goose Creek pottery found in this region from the Early Ceramic through Early Historic periods (Story 1990). Another important innovation was the development of the bow and arrow. However, Patterson (1995) postulates that the bow and arrow were in use in Southeast Texas as early as the Middle Archaic. Stone tool technology evolved in step with this new innovation and Late Prehistoric people made their stone points smaller and more diverse in form depending on the game animals hunted. Some of these stone arrow points include Edwards, Scallorn, Zavala, Perdiz, Cuney, Padre and Alba types. Settlement patterns shifted during this time as sedentary and horticultural communities became more common. With the emergence of social and ritual

ceremonies, and more defined intraregional differences resulting in the establishment of group territories along major streams (Aten 1983, Patterson 1987). Clear Creek falls within the western margin of one such territory termed the Galveston Bay area (Aten 1983).

Historic (1600s – 1950)

The historic period begins with the initial contact between native people and European explorers. The first European explorer to reach Texas was Alvar Nunez Cabeza de Vaca during the 1528 Narvaez Expedition of the Gulf coast. Cabeza de Vaca was stranded in Texas for eight years travelling throughout Texas and Mexico meeting different Native American groups. He was eventually rescued and went back to Spain. During his journey, Cabeza de Vaca documented numerous groups of people, their customs, and cultural differences (Chipman 2015). Although, Texas and much of the southeast was claimed by Spain, the French exploration and attempted colonization in the late 1600s led the Spanish to increase their colonization efforts. Subsequent Spanish entradas in Texas began during the early 1700s with the establishment of the Spanish missions. During the mid-18th century the Spanish attempted to firm up their control of eastern Texas in response to the increased French trade with the natives along the Red River and the founding of New Orleans in 1718. However, the Spanish were never able to successfully establish a permanent colony or mission in eastern Texas. By 1803, Spain had ceded Louisiana to the French who in turn sold it a month later to the United States. By this time, not only French but American and English colonists began actively settling eastern and southeastern Texas. Shortly afterward, Mexico gained its independence from Spain with the help of Anglo-Americans living in Texas (Henson 2010, Nue 2015).

Mexican independence caused a rush of immigrants from the east, many of whom received emprassario contracts allowing them to settle in Texas. Several of these people became important figures in Texas' independence, including Stephen F. Austin and David G. Burnet (Henson 2010, Nance 2016). Texas gained its independence from Mexico in 1836, following the Battle of San Jacinto, where Sam Houston's forces caught Mexican General Santa Anna off guard. The resulting defeat forced Mexico to sign a peace treaty in Velasco on May 14, 1836, establishing the Republic of Texas. The resulting peace and removal of immigration limitations caused an explosion in the populations of Texas especially along the coast, with many immigrants coming through Galveston and Matagorda (Henson 2010, Nance 2016).

Harris County was formed in December of 1836 as Harrisburg County. The history of the county is directly tied to that of Houston's growth. Augustus and John Allen founded the "Town of Houston" in 1836 named after Sam Houston. Incorporated in 1837, the town became the temporary capital of the Republic of Texas (McComb 2015). After the revolution, Harris counties recovery was slow with economic centers focused on the coast. Trading posts began to stretch out into the interior as far west as Waco, and Steam boat travel along some of the rivers helped increase traffic to the interior of Texas. With the annexation of Texas by the United States in 1847, commercial traffic and immigration to Texas increased, and many people began to move into the areas outside of Houston (Henson 2010).

Pearland began as an agricultural community along a siding switch of the Gulf, Colorado and Santa Fe Railway in 1882. Initially called Mark Belt, the small community was renamed Pearland in 1893 after its plethora of pears trees. With the hurricanes of 1900 and 1915 and subsequent blights, Pearland suffered

heavy agricultural losses causing many residents to move away (Allbright 2007). Those that stayed began rice farming and by the 1940's, the area was the nation's leading rice producer. In the 1930's, oil was discovered at the Hastings, Freindswood, and Manvel oilfields greatly benefiting neighboring Pearland (Brazoria County Historical Museum and Commission 1986). Despite Pearland's successes in agriculture, it remained a relatively small farming community well into the 1960s when population began to grow as the area became a bedroom community for Houston (Allbright 2007).

Methods

Records Review

Prior to fieldwork, Pape-Dawson archaeologists conducted a thorough background literature and records search of the proposed APE. This research included reviewing the Pearland (2995-421) U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle map at TARL and searching the THC's Texas Archeological Sites Atlas (Atlas) online database for any previously recorded surveys and historic or prehistoric archaeological sites located within a 0.62-mile (1- km) radius of the APE. In addition, the review included information on the following types of cultural resources: NRHP-listed properties and sites, NRHP districts, cemeteries (including Historic Texas Cemeteries), Official Texas Historical Markers (OTHM) (including Recorded Texas Historic Landmarks), as well as SALs located within one kilometer (km) of the APE. In addition, archeologists consulted archeological site records at the Texas Archeological Research Laboratory (TARL), and historic maps and aerials that depict the APE.

Fieldwork

Pape-Dawson personnel conducted an intensive archeological survey of the proposed APE. Soils in the APE are mapped entirely as clayey soils found on the coastal plains, and therefore it was anticipated that archeological deposits, if present, would be located near the surface or at depths reachable by shovel test excavations. Thus, mechanical trenching was not warranted.

Pape-Dawson archeologists performed a pedestrian survey of the proposed project APE. This included a visual inspection of the ground surface supplemented by judgmental shovel testing in areas with perceived potential for buried cultural deposits and with less than 30 percent ground surface visibility. All survey methods followed the CTA/THC *Archeological Survey Standards for Texas.*. Shovel tests measured roughly 30 by 30 cm (12 by 12 inches) in size and were excavated in 10-cm (4-inch) levels to pre-Holocene clay or to a maximum depth of 80 cm (32 inches) below the ground surface. All soils were screened through ¼-inch mesh unless clay concentrations were high enough to require hand sorting. All shovel tests were recorded, visually described, plotted by a Global Positioning System (GPS) unit, and backfilled upon completion. A total of 12 shovel tests were excavated in order to investigate the proposed 18.19-acre APE. No artifacts were collected as a result of the survey. All original paperwork (e.g., photographs, shovel test logs) will be curated at TARL following the specified standards of preparation.

Results

Records Review

The results of this cultural resources background review identified no NRHP-listed properties, SALs, OTHMs, RTHLs, cemeteries, or previously recorded archeological sites within the APE (THC 2016). Within 0.62 mile (1 km) of the project footprint, there are one OTHM (Our Lady of Guadalupe Catholic Church), and one previously recorded archaeological site (41HR817). In addition, five previously conducted surveys and a data recovery project have taken place within 0.62 mile (1 km) of the APE (Figure 4). THC's online Texas Archeological Site Atlas shows Our Lady of Guadalupe Catholic Church (OTHM), approximately 175 ft (53 m) northwest of the project area. However, based on the Atlas description and Google maps, this OTHM is actually located in downtown Houston at the corner of S. Jensen Drive and Navigation Blvd. This indicates that the location of the OTHM is not accurately depicted on the THC's Atlas and therefore not accurately depicted on Figure 4, which is based on THC data.

Our Lady of Guadalupe Catholic Church was established in 1911 by four Oblate priests sent to establish a mission church to serve Houston's Spanish-speaking immigrant population (THC 2016). The wood-frame structure is named for Mexico's patron saint, and it has served as both a Spanish-speaking church and school. In 1973 the Sacred Heart Order assumed responsibility for the church, but its traditional role ministering to immigrant communities continued. Still a focal point for Houston's Mexican-American community, Our Lady of Guadalupe Church became the home church to many Central American and Vietnamese refugees in the 1970s (THC 2016). However, review of historic and modern aerials show no evidence that this structure or marker was ever located near the APE. Pape-Dawson archaeologist investigated this discrepancy and determined that the actual church and marker are located at the corner of S. Jensen Drive and Navigation Blvd. in Houston.

Site 41HR817 is a prehistoric site of unknown age situated on the east side of Clear Creek and 0.53 mile (0.86 km) south of the APE (THC 2016). Moore Archeological Consulting, Inc. conducted survey and data recovery investigations that included trenching and the excavation of five 1x1-m units on behalf of the Harris County Flood Control District (HCFCD) under Antiquities Permit Number 2012 (Pearl 1997; Mahoney and Moore 1998). Five chert flakes were recovered from between 11 to 17 inches (30 to 40 cm) below surface. Due to the paucity of materials recovered and previous impacts, the site was not recommended for further work and was determined to be not eligible for inclusion to the NRHP (THC 2016).

The previously conducted surveys are all south of the APE and include a 1973 survey along Clear Creek on behalf of the U.S. Army Corps of Engineers (USACE), a 1985 survey of the Sam Houston Parkway by the State Department of Highways and Public Transportation (SDHPT 1985; present-day Texas Department of Transportation), and the aforementioned 1997 survey and subsequent data recovery on behalf of HCFCD (Pearl 1997; Mahoney and Moore 1998). No Antiquities Permit is associated with any of these surveys and information about them is limited to locational data. The other two surveys were conducted in 2007 and 2013 by Prewitt and Associates and by HRA Gray and Pape, respectively (THC 2016). Prewitt and Associates conducted a reconnaissance survey on behalf of the Harris County Flood

Control District (apparently without an Antiquities Permit) (THC 2016), while HRA Gray and Pape surveyed detention pond locations along the Sam Houston Tollway under Antiquities Permit Number 6545 (Bruner et al. 2014). Since the APE and most of the surrounding area has not been subjected to systematic archeological survey, the actual number of sites existing within 0.62 mile (1 km) of the project APE may be substantially underrepresented by the current number of known sites.

In addition to reviewing previously recorded cultural resources in the project area, Pape-Dawson archaeologists reviewed historic aerial photographs and topographic maps depicting the project area. All the topographic maps consulted (1998, 1983, 1970, 1969, 1957, 1955, 1949, 1943, 1941, 1930, and 1920) mapped the land as rural and did not show any historic age structures. Likewise, the aerial photographs (2012, 2010, 2009, 2008, 2004, 2002, 1995, 1981, 1973, 1969, 1964, 1957, 1953, and 1944) depict no historic structures within the APE (NETR 2016). However, historic aerials reveal that the APE was open prairie or pasture as early as 1953 and did not become completely overgrown until the late 2000s. According to historic maps from 1920 to 2012 there is no evidence that structures are present within the current project area (NETR online 2016).

Fieldwork

Pape-Dawson archaeologists conducted an intensive archaeological survey of the 18.19-acre (7.36- ha) APE on May 25, 2016. Prior to the current investigations, three transects were cleared in the APE. These new 10 to 15 meter (32 to 49 feet) wide clear cuts run in a general east to west direction spaced approximately 60 meters apart (Figure 6). Archeologists identified several disturbances that appear to have occurred as a result of previous linear land clearing in addition to the recent clearing (see Figure 2 and 7). Very dense vegetation throughout the APE greatly limited ground surface visibility (Figure 8 and Figure 9). The few areas with 100 percent ground surface visibility were along the clear cuts. However, due to the clearing, these swaths were heavily disturbed and often inundated (Figure 10). Due to the large amount of rain in the region over the previous month, the eastern third of the APE contained large swaths of in standing water. During the current survey effort, a total of 12 shovel tests were excavated to either side of three clear cuts to evaluate the impact of the proposed project on cultural resources (Figure 5). Shovel tests were placed in areas with the most potential to contain intact, buried cultural resources.

Shovel tests were placed in areas with the least disturbance or within areas of the APE with the perceived potential to contain intact soils. All shovel tests on this tract were excavated to culturally sterile soil horizons encountered at depths between 30 and 55 cm (11.81 and 21.65 inches) below the surface. A typical soil profile recorded within the APE consisted of dark grayish brown (10YR4/1) to dark gray (10YR3/1) clay loam (Figure 11) from the surface to a maximum depth of 55 cm (21.65 inches) followed by dark gray (10YR4/1) to gray (10YR5/1) clay with calcium carbonate nodules observed below 40 cm (15.75 inches). Two shovel tests excavated in the eastern third of the APE encountered water within the top 30 cm (11.81 inches) due to saturated soils.

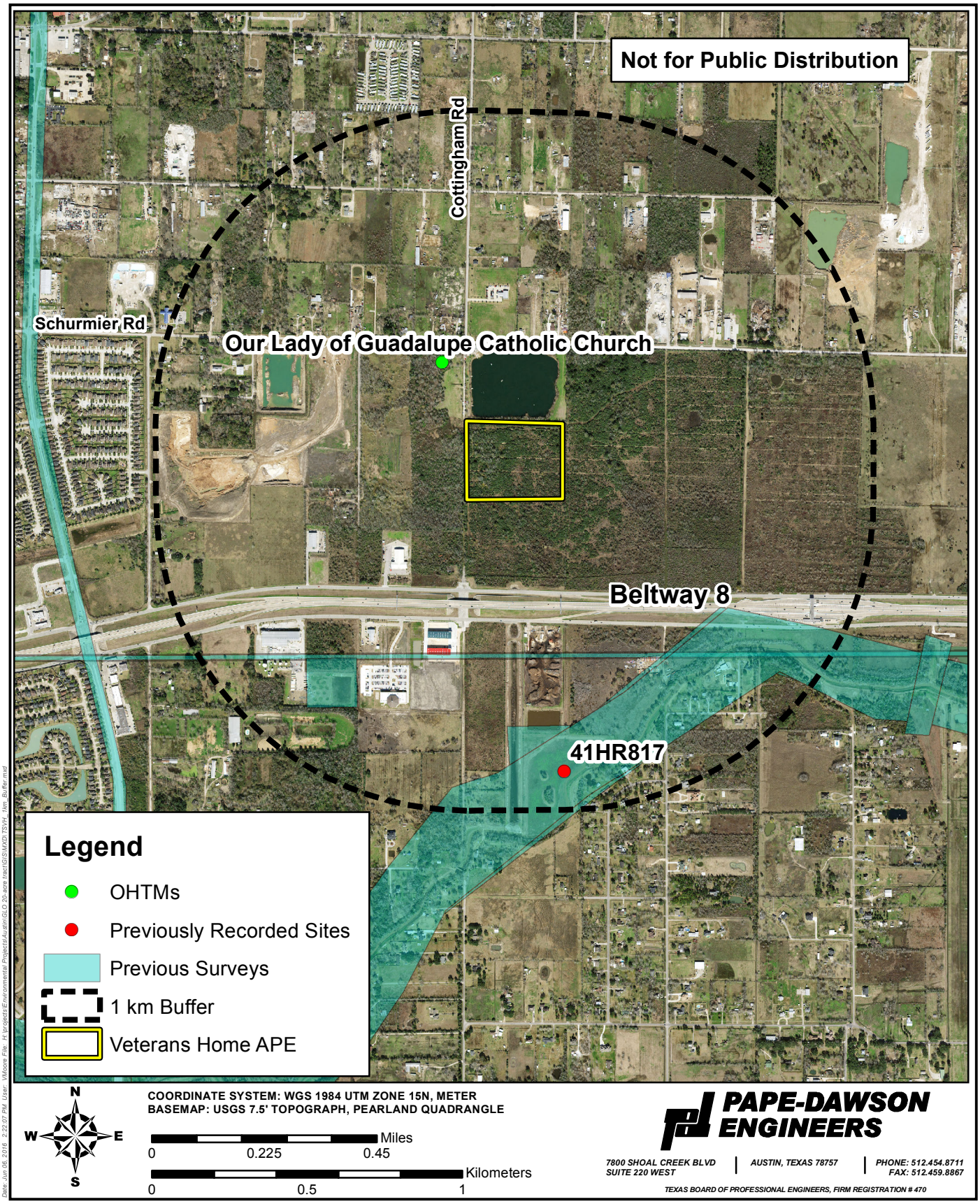

Figure 3 : Existing Cultural Resources within 1 km of the APE.

* Map is based on THC data. Location of Our Lady of Guadalupe Catholic Church is not accurately depicted on this figure. See page 11 for further information.

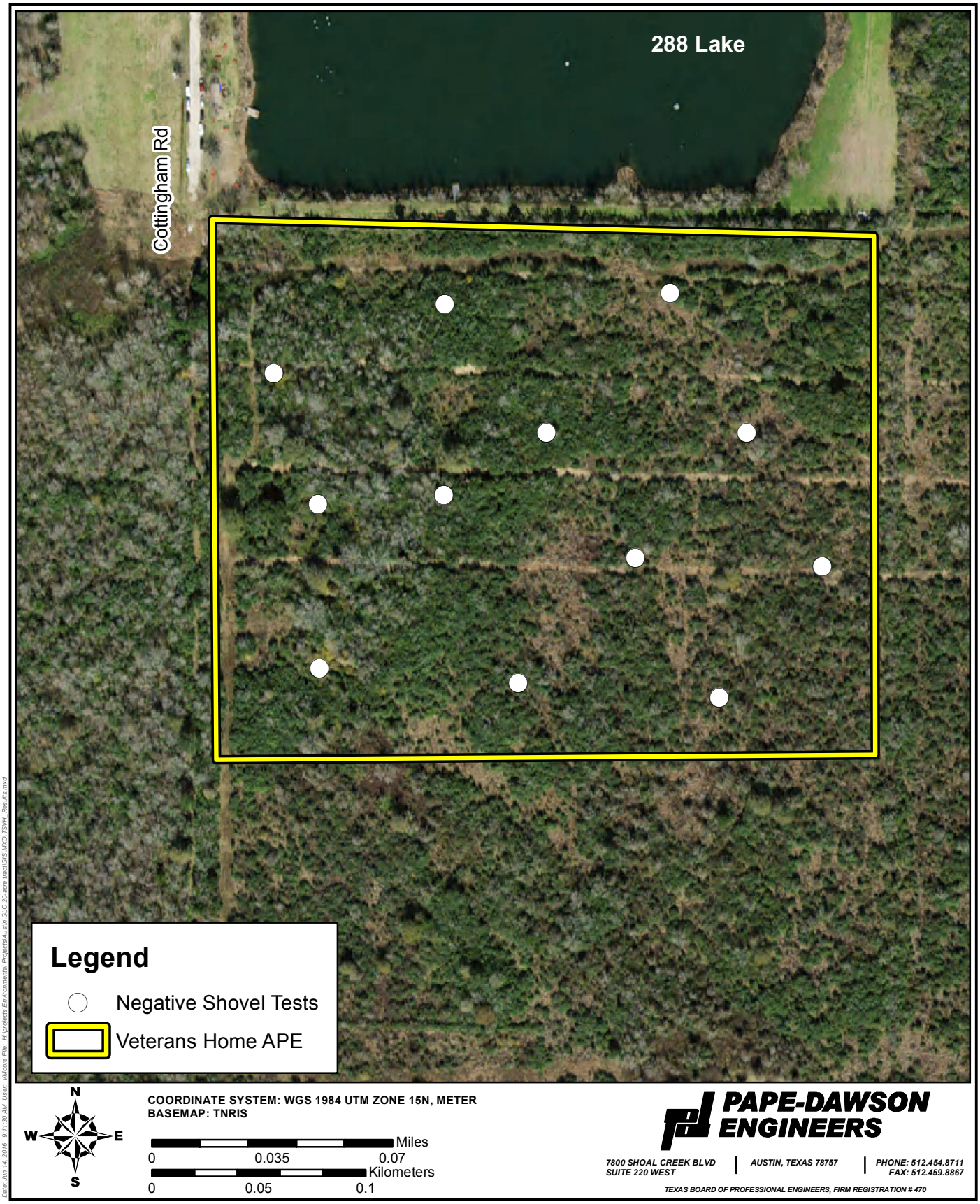

Figure 6 : Shovel tests within the APE.

No structural remains or artifacts were observed on the ground surface. This cultural resources survey encountered no cultural resources, as defined under 36 CFR 60.4. The area affected by the proposed Texas State Veterans Home project holds a very low probability of containing significant cultural resources.

Figure 6: Newly cleared transect running east - west through APE.

Figure 7: Overgrown transect along southern end of APE.

Figure 8: General view of surface visibility and standing water observed in eastern portion of APE.

Figure 9: General overview of vegetation from the southwest corner of APE, facing east.

Figure 10: Clear cut, showing disturbance and inundation in eastern portion of APE.

Figure 11: General Shovel Test Profile

Conclusion and Recommendations

Pape-Dawson conducted an intensive archaeological survey for the proposed 18.19-acre (7.36-ha) development for the Texas State Veterans Home situated on lands owned by the GLO in Houston, Harris County, Texas. The proposed project would include the construction a state veterans home and its associated driveways, parking lots, and utility installations. The roughly rectangular APE is along Cottingham Road (Future MLK Blvd.) and about 815 ft (248 m) south of the roadway's intersection with Schurmier Road. BW8 is about 943 ft (287 m) to the south of the APE, which is maximally 1,016 ft (310 m) east to west and 829 ft (253 m) north to south.

The intensive pedestrian survey was conducted under Texas Antiquities Permit No. 7651 by Pape-Dawson archeologists on May 25, 2016. The APE was subject to visual inspection supplemented by judgmentally placed shovel tests in order to evaluate the impact of the proposed project on archeological resources. A total of 12 shovel tests were excavated to investigate the 18.19 acre (7.36-ha) APE in areas of least disturbance, averaging 1.5 shovel test per acre and exceeding the minimum archeological survey standards established by the CTA/THC. Major disturbances recorded include clear cutting and associated push piles of vegetation. All shovel tests were negative for archeological material. No artifacts were collected, and all project records and photographs will be curated at TARL.

No archeological sites were previously recorded at this location and none were identified during the current survey. In accordance with 36 CFR 800.4, Pape-Dawson has made a reasonable and good faith effort to identify archaeological historic properties within the APE. As no properties were identified that meet the criteria for listing in the NRHP according to 36 CFR 60.4 or for designation as an SAL according to 13 TAC 26.12, Pape-Dawson recommends no further work.

If cultural material is encountered during construction, it is recommended that all work in the vicinity should cease and the discovery be evaluated by a qualified archaeologist who can provide guidance on how to proceed in accordance with state regulations.

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APPENDIX F

Regulatory Database Records and Public Documents Research

GLO BW8 - State Veterans Home
8 N SAM HOUSTON PKWY E
Houston, TX 77048

Inquiry Number: 4613235.2s
May 09, 2016

The EDR Radius Map™ Report with GeoCheck®

Environmental Data Resources Inc

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

TABLE OF CONTENTS

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

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 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

8 N SAM HOUSTON PKWY E
HOUSTON, TX 77048

COORDINATES

Latitude (North):	29.6042100 - 29° 36' 15.15''
Longitude (West):	95.3392480 - 95° 20' 21.29''
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	273458.1
UTM Y (Meters):	3277036.8
Elevation:	51 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5937173 PEARLAND, TX
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20120623
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
8 N SAM HOUSTON PKWY E
HOUSTON, TX 77048

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1		8 N SAM HOUSTON PKWY	EDR Hist Auto		TP
2	LIVING EARTH TECHNOL	5210 S SAM HOUSTON P	SWF/LF, SWRCY, AIRS, Financial Assurance	Lower	1416, 0.268, South

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
8 N SAM HOUSTON PKWY 8 N SAM HOUSTON PKWY HOUSTON, TX 77060	EDR Hist Auto	N/A

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

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, 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

LUCIS ---------- Land Use Control Information System
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
WasteMgt ---------- Commercial Hazardous & Solid Waste Management Facilities

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land
LPST ---------- Leaking Petroleum Storage Tank Listing

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
UST ---------- Petroleum Storage Tank Database
AST ---------- Petroleum Storage Tank Database
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

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

ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
PRIORITYCLEANERS ---------- Dry Cleaner Remediation Program Prioritization List
DEL SHWS ---------- Deleted Superfund Registry Sites
US CDL ---------- National Clandestine Laboratory Register

Local Land Records

HIST LIENS ---------- Environmental Liens Listing
LIENS ---------- Environmental Liens Listing
LIENS 2 ---------- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
SPILLS ---------- Spills Database
SPILLS 90 ---------- SPILLS 90 data from FirstSearch
SPILLS 80 ---------- SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR ---------- RCRA - Non Generators / No Longer Regulated
FUDS ---------- Formerly Used Defense Sites
DOD ---------- Department of Defense Sites
SCRD DRYCLEANERS ---------- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---------- Financial Assurance Information
EPA WATCH LIST ---------- EPA WATCH LIST
2020 COR ACTION ---------- 2020 Corrective Action Program List
TSCA ---------- Toxic Substances Control Act
TRIS ---------- Toxic Chemical Release Inventory System
SSTS ---------- Section 7 Tracking Systems
ROD ---------- Records Of Decision
RMP ---------- Risk Management Plans
RAATS ---------- RCRA Administrative Action Tracking System
PRP ---------- Potentially Responsible Parties
PADS ---------- PCB Activity Database System
ICIS ---------- Integrated Compliance Information System
FTTS ---------- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---------- Material Licensing Tracking System
COAL ASH DOE ---------- Steam-Electric Plant Operation Data
COAL ASH EPA ---------- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---------- PCB Transformer Registration Database
RADINFO ---------- Radiation Information Database
HIST FTTS ---------- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---------- Incident and Accident Data
CONSENT ---------- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---------- Indian Reservations
FUSRAP ---------- Formerly Utilized Sites Remedial Action Program
UMTRA ---------- Uranium Mill Tailings Sites
LEAD SMELTERS ---------- Lead Smelter Sites

EXECUTIVE SUMMARY

US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
AIRS	Current Emission Inventory Data
APAR	Affected Property Assessment Report Site Listing
COAL ASH	Coal Ash Disposal Sites
DRYCLEANERS	Drycleaner Registration Database Listing
ED AQUIF	Edwards Aquifer Permits
ENF	Notice of Violations Listing
Financial Assurance	Financial Assurance Information Listing
GCC	Groundwater Contamination Cases
Ind. Haz Waste	Industrial & Hazardous Waste Database
IHW CORR ACTION	IHW CORR ACTION
IOP	Innocent Owner/Operator Program
MSD	Municipal Settings Designations Database
NPDES	NPDES Facility List
RWS	Radioactive Waste Sites
TIER 2	Tier 2 Chemical Inventory Reports
UIC	Underground Injection Wells Database Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner	EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF	Recovered Government Archive Solid Waste Facilities List

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 11/03/2015 has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LIVING EARTH TECHNOL	***5210 S SAM HOUSTON P***	***S 1/4 - 1/2 (0.268 mi.)***	***2***	***8***
Facility Status: ACTIVE				
Permit Number: 100264				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in the state.

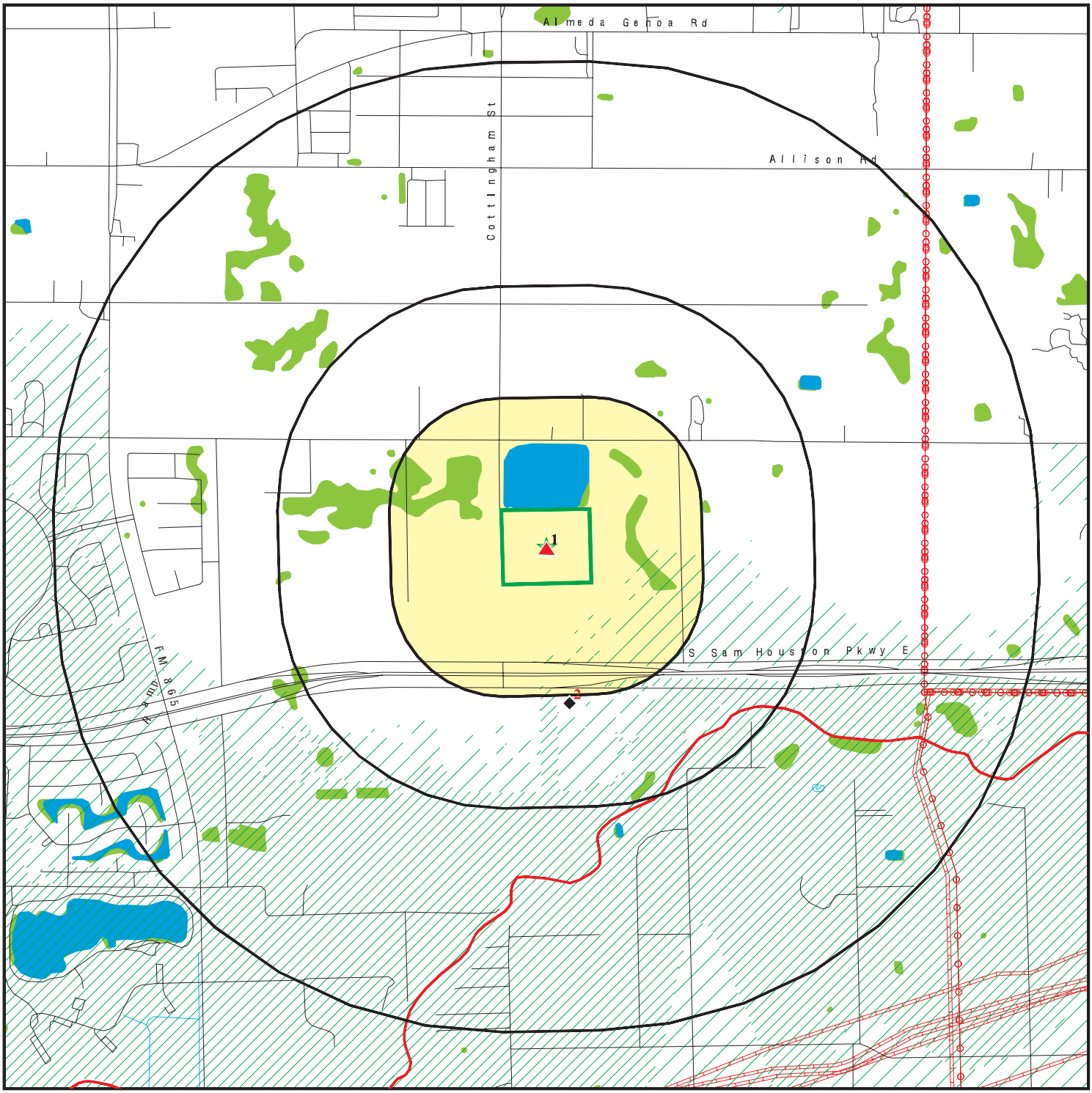
A review of the SWRCY list, as provided by EDR, and dated 11/13/2015 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LIVING EARTH TECHNOL	***5210 S SAM HOUSTON P***	***S 1/4 - 1/2 (0.268 mi.)***	***2***	***8***
Physical Site Status: ACTIVE				
Additional Id: 100264				

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 4613235.2S



- 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

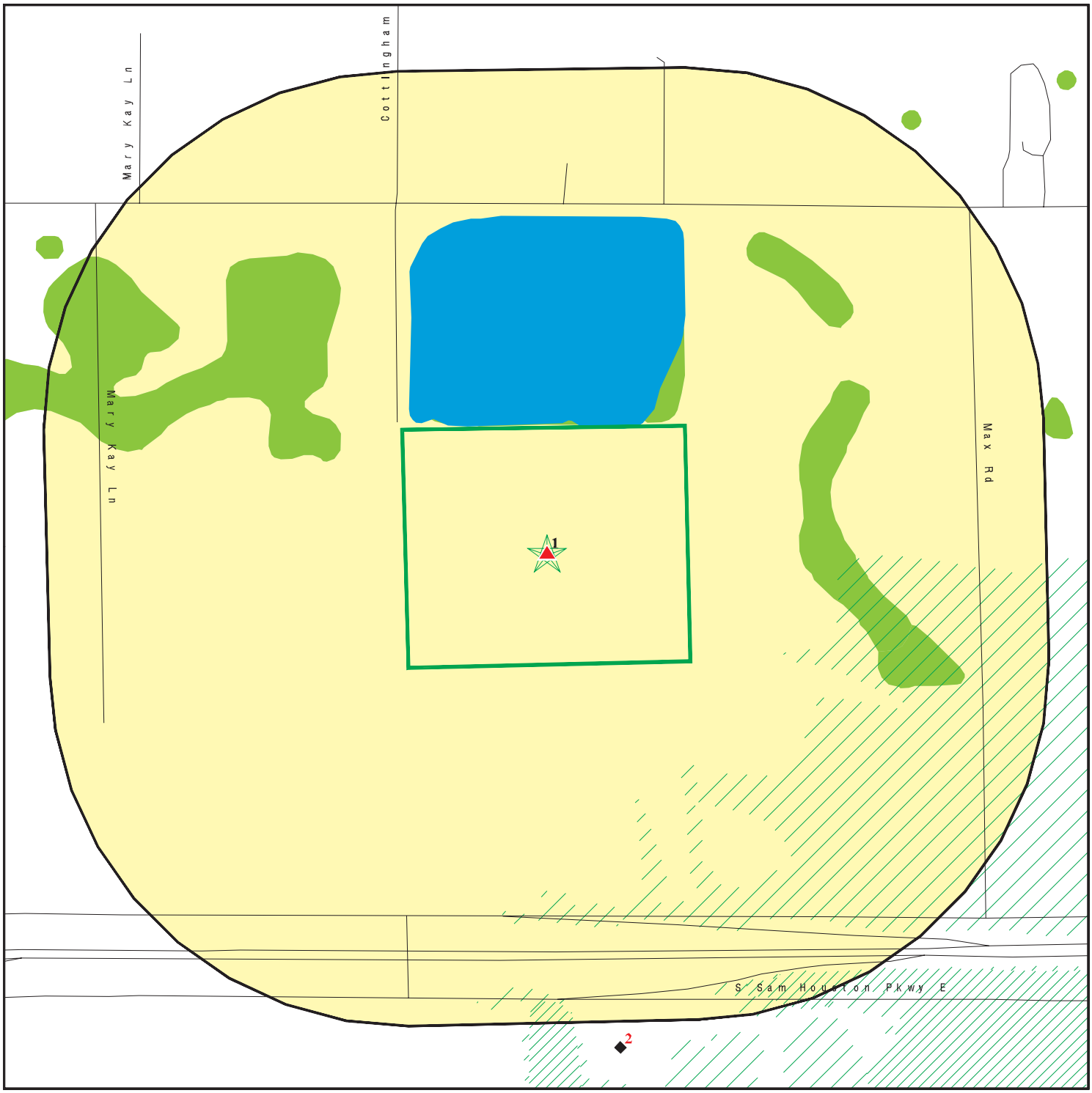
0 1/4 1/2 1 Miles

- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

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:	GLO BW8 - State Veterans Home	CLIENT:	Pape Dawson
ADDRESS:	8 N SAM HOUSTON PKWY E Houston TX 77048	CONTACT:	Stephanie Sunico
LAT/LONG:	29.60421 / 95.339248	INQUIRY #:	4613235.2s
		DATE:	May 09, 2016 1:40 pm

DETAIL MAP - 4613235.2S



- 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

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

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: GLO BW8 - State Veterans Home	CLIENT: Pape Dawson
ADDRESS: 8 N SAM HOUSTON PKWY E Houston TX 77048	CONTACT: Stephanie Sunico INQUIRY #: 4613235.2s
LAT/LONG: 29.60421 / 95.339248	DATE: May 09, 2016 1:41 pm

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
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								
SWRCY	0.500		0	0	1	NR	NR	1
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
PRIORITYCLEANERS	0.500		0	0	0	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
HIST LIENS	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
APAR	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
ED AQUIF	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
GCC	TP		NR	NR	NR	NR	NR	0
Ind. Haz Waste	0.250		0	0	NR	NR	NR	0
IHW CORR ACTION	0.250		0	0	NR	NR	NR	0
IOP	TP		NR	NR	NR	NR	NR	0
MSD	0.500		0	0	0	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
RWS	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125	1	0	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
- Totals --		1	0	0	2	0	0	3

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
Target Property
Actual: 51 ft.

8 N SAM HOUSTON PKWY E
HOUSTON, TX 77060

EDR Hist Auto **1015636875**
N/A

EDR Historical Auto Stations:
Name: ASTRO TRANSMISSIONS INCORPORATED HOUSTON
Year: 1999
Address: 8 N SAM HOUSTON PKWY E

2
South
1/4-1/2
0.268 mi.
1416 ft.

Relative: Lower

Actual: 50 ft.

LIVING EARTH TECHNOLOGY
5210 S SAM HOUSTON PKWY E
HOUSTON, TX 77048

SWF/LF **S110534865**
SWRCY **N/A**
AIRS
Financial Assurance

SWF/LF:

Region:	12
Permit Number:	100264
Facility Status:	ACTIVE
Facility Type:	5RR
Permit Status:	ISSUED
Status Date:	07/30/2010
Mailing Address:	Not reported
Client Name:	Not reported
Client Address:	Not reported
Client Telephone:	N/A
Business Type:	BUSINESS
Area Served:	HARRIS COUNTY
Estimated Closure Date:	Not reported
Permit Acreage:	NA
Permit Start:	07/01/2010
Permit End:	07/30/2010
Polution Served:	Not reported
Tons per Day:	NA
Yards per Day:	NA
Application:	NEW APPLICATION
Lat/Long:	0.00 / 0.00

SWRCY:

Facility Type:	Recycling and Recovery Facility
Program:	MSW
Additional Id:	100264
Legal Status:	ISSUED - Start 07/01/2010
Physical Site Status:	ACTIVE
RN:	RN102773413
Region:	REGION 12 - HOUSTON
Near Physical Loc Address:	PORTABLE
Near Physical Loc City/State/Zip:	HOUSTON, TX 77429
Latitude:	0.000000
Longitude:	0.000000

AIRS:

Permit Num:	39776X
Regulated Id:	RN102773413
Permit Type:	EXEMPT
Permit Status:	EFFECTIVE
Permit Issued Date:	12/31/1899
Expiration Date:	12/31/3000
Customer Id:	CN601049349

LIVING EARTH TECHNOLOGY (Continued) **S110534865**

Company Name: PRECISION LAND CLEARING INC
Physical Location Desc: PORTABLE
Rep Official(RO): Not reported
RO Name: Not reported
RO Delivery Address: Not reported
RO City/State/Zip: Not reported
RO Phone: Not reported
RO Ext Num: Not reported
RO EMail Address: Not reported
Lat Dec Coord Num: 0.00000
Long Dec Coord Num: 0.00000

Permit Num: 3228
Regulated Id: RN102773413
Permit Type: GOP
Permit Status: EFFECTIVE
Permit Issued Date: 02/13/2014
Expiration Date: 02/13/2019
Customer Id: CN601049349
Company Name: Precision Land Clearing Inc
Physical Location Desc: Not reported
Rep Official(RO): PRESIDENT
RO Name: MR BOBBY GILES JR
RO Delivery Address: PO BOX 802276
RO City/State/Zip: HOUSTON, T 77280-227
RO Phone: 713-817-9282
RO Ext Num: Not reported
RO EMail Address: BOBBYGILESJR@YAHOO.COM
Lat Dec Coord Num: 0-0-0
Long Dec Coord Num: 0-0-0

Permit Num: 51606L022
Regulated Id: RN102773413
Permit Type: PBR
Permit Status: EFFECTIVE
Permit Issued Date: 02/13/2014
Expiration Date: 02/13/2019
Customer Id: CN601049349
Company Name: PRECISION LAND CLEARING INC
Physical Location Desc: PORTABLE
Rep Official(RO): OWNER
RO Name: MR BOBBY GILES JR
RO Delivery Address: PO BOX 802276
RO City/State/Zip: HOUSTON, T 77280-227
RO Phone: 713-812-9282
RO Ext Num: Not reported
RO EMail Address: BOBBYGILESJR@YAHOO.COM
Lat Dec Coord Num: 0.00000
Long Dec Coord Num: 0.00000

TX Financial Assurance 1:
SW#: Not reported
EPA#: Not reported
Watch: Not reported
TRRP: Not reported
Unrev Info#: Not reported
Closamt: Not reported

LIVING EARTH TECHNOLOGY (Continued) **S110534865**

Clform:	Not reported
Clyear-end:	Not reported
PC Amount:	Not reported
PC Form:	Not reported
PC Year-End:	Not reported
CA Amount:	Not reported
CA Form:	Not reported
CA Year-End:	Not reported
Sudden:	Not reported
Sudform:	Not reported
Sudyear-end:	Not reported
Nonsud:	Not reported
Nsform:	Not reported
Nsyear-end:	Not reported
Closure Insurance:	Not reported
Liablility Insurance:	Not reported
Permit:	100264
Comments:	Received CCE 7/30/10. LC amended. Complete.
UIC?:	Not reported
PST?:	Not reported
MSW?:	Not reported
BnkRate-LOC:	Not reported
BnkRate-Trst:	Not reported
InsRating:	Not reported
BondCoRating:	Not reported
Bond Rating Test:	Not reported
Review Year:	Not reported
Type:	N
Contact:	Not reported
Effective Date:	08/17/2010
Expiration Date:	Not reported
Engineer:	Not reported
Company Name:	Not reported
Cost Estimate:	105000
FA Amount:	105000
Mechanism:	LC
Mechanism Issuer:	Fifth Third Bank
Submittal Date:	08/18/2010
Review Date:	08/18/2010
Reg Status:	Not reported
Permitee Name:	Not reported
Next Anniversary Date:	Not reported
Parent Company:	Not reported
Name:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact State:	Not reported
Contact Zip:	Not reported
Actual FA CLOS Amount:	Not reported
Actual FA PC Amount:	Not reported
Actual FA PC Amount:	Not reported
Actual FA COR Action Amount:	Not reported
Actual FA Total Amount:	Not reported
Req RA Clo Amount:	Not reported
Req FA PC Amount:	Not reported
Req Fa Cor Action Amount:	Not reported
Req Fa Total Amount:	Not reported

LIVING EARTH TECHNOLOGY (Continued) **S110534865**

Name of Issuer:	Not reported
Bond Rating:	Not reported
Bank Rating:	Not reported
Trust:	Not reported
Bank Name For Trust:	Not reported
Executed Date of Trust:	Not reported
TA For Multiple Sites:	Not reported
TA In This File:	Not reported
Submittal:	Not reported
Reviewer:	Not reported
Fin Test FY End:	Not reported
Date Of First Mechanism:	Not reported
Permit Date:	Not reported
Est Approved:	Not reported
Original Closure Req:	Not reported
Original PC Req:	Not reported
Program Id:	Not reported
Facility Address 2:	Not reported
Insurance Rating:	Not reported
Mwt Auto Liability:	Not reported
Publicly Owned Treatment Works:	Not reported
CFOs Letter:	Not reported
AUD Letter:	Not reported
Comp Annual Financial Report:	Not reported
Financial Assurance Complete:	x

Count: 0 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

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: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 04/05/2016
Next Scheduled EDR Contact: 04/18/2016
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: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 04/05/2016
Next Scheduled EDR Contact: 04/18/2016
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
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
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: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 04/05/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/08/2016
Next Scheduled EDR Contact: 07/18/2016
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/05/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/05/2016
Next Scheduled EDR Contact: 08/01/2016
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: 12/09/2015
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 34

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/30/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, 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.

Date of Government Version: 12/09/2015
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 03/30/2016
Next Scheduled EDR Contact: 07/11/2016
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: 12/09/2015
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 03/30/2016
Next Scheduled EDR Contact: 07/11/2016
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: 12/09/2015
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 03/30/2016
Next Scheduled EDR Contact: 07/11/2016
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: 12/09/2015
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 03/30/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

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: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/16/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Varies

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: 09/10/2015
Date Data Arrived at EDR: 09/11/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/29/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Varies

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: 09/10/2015
Date Data Arrived at EDR: 09/11/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/29/2016
Next Scheduled EDR Contact: 06/13/2016
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: 06/22/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/30/2016
Next Scheduled EDR Contact: 07/11/2016
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: 01/28/2016
Date Data Arrived at EDR: 02/02/2016
Date Made Active in Reports: 03/24/2016
Number of Days to Update: 51

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5680
Last EDR Contact: 03/14/2016
Next Scheduled EDR Contact: 06/27/2016
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: 11/03/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/07/2016
Number of Days to Update: 61

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6706
Last EDR Contact: 04/25/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

CLI: Closed Landfill Inventory

Closed and abandoned landfills (permitted as well as unauthorized) across the state of Texas. For current information regarding any of the sites included in this database, contact the appropriate Council of Governments agency.

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: N/A
Last EDR Contact: 04/04/2016
Next Scheduled EDR Contact: 07/18/2016
Data Release Frequency: Varies

H-GAC CLI: Houston-Galveston Closed Landfill Inventory

Closed Landfill Inventory for the Houston-Galveston Area Council Region. In 1993, the Texas Legislature passed House Bill (HB) 2537, which required Councils of Governments (COGs) to develop an inventory of closed municipal solid waste landfills for their regional solid waste management plans.

Date of Government Version: 10/06/2014
Date Data Arrived at EDR: 10/09/2014
Date Made Active in Reports: 11/26/2014
Number of Days to Update: 48

Source: Houston-Galveston Area Council
Telephone: 832-681-2518
Last EDR Contact: 04/04/2016
Next Scheduled EDR Contact: 07/18/2016
Data Release Frequency: Varies

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: 07/01/2014
Date Data Arrived at EDR: 10/10/2014
Date Made Active in Reports: 11/26/2014
Number of Days to Update: 47
Source: Texas Commission on Environmental Quality
Telephone: 512-239-2920
Last EDR Contact: 04/08/2016
Next Scheduled EDR Contact: 07/18/2016
Data Release Frequency: Varies

State and tribal leaking storage tank lists

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

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
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: 01/08/2015
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/27/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 118
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/27/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 08/20/2015
Date Data Arrived at EDR: 10/30/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 111
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
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: 11/24/2015
Date Data Arrived at EDR: 12/01/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 34

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/26/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Semi-Annually

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: 10/27/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/04/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/27/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

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: 12/09/2015
Date Data Arrived at EDR: 12/23/2015
Date Made Active in Reports: 02/17/2016
Number of Days to Update: 56

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2200
Last EDR Contact: 03/28/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/11/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Varies

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: 12/08/2015
Date Data Arrived at EDR: 12/30/2015
Date Made Active in Reports: 03/17/2016
Number of Days to Update: 78

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2160
Last EDR Contact: 03/31/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Quarterly

AST: Petroleum Storage Tank Database
Registered Aboveground Storage Tanks.

Date of Government Version: 12/08/2015
Date Data Arrived at EDR: 12/30/2015
Date Made Active in Reports: 03/17/2016
Number of Days to Update: 78

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2160
Last EDR Contact: 03/31/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Quarterly

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: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 118

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
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).

Date of Government Version: 12/14/2014
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 28

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/27/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Quarterly

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: 10/20/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
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: 11/24/2015
Date Data Arrived at EDR: 12/01/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 34

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/26/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Semi-Annually

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).

Date of Government Version: 08/20/2015
Date Data Arrived at EDR: 10/30/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 111

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
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: 11/05/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/27/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

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: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
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: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/29/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

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: 10/07/2015
Date Data Arrived at EDR: 10/09/2015
Date Made Active in Reports: 11/13/2015
Number of Days to Update: 35

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5891
Last EDR Contact: 04/04/2016
Next Scheduled EDR Contact: 07/18/2016
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 04/01/2016
Next Scheduled EDR Contact: 07/11/2016
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: 12/21/2015
Date Data Arrived at EDR: 01/07/2016
Date Made Active in Reports: 02/17/2016
Number of Days to Update: 41

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5891
Last EDR Contact: 04/04/2016
Next Scheduled EDR Contact: 07/18/2016
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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: 10/20/2015
Date Data Arrived at EDR: 01/07/2016
Date Made Active in Reports: 02/17/2016
Number of Days to Update: 41

Source: Railroad Commission of Texas
Telephone: 512-463-6969
Last EDR Contact: 04/18/2016
Next Scheduled EDR Contact: 07/18/2016
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site Assessments

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

Date of Government Version: 01/06/2016
Date Data Arrived at EDR: 01/12/2016
Date Made Active in Reports: 03/17/2016
Number of Days to Update: 65

Source: TCEQ
Telephone: 512-239-5872
Last EDR Contact: 04/04/2016
Next Scheduled EDR Contact: 07/18/2016
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/22/2015
Date Data Arrived at EDR: 12/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/22/2016
Next Scheduled EDR Contact: 07/04/2016
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

NCTCOG LI: North Central Landfill Inventory

North Central Texas Council of Governments landfill database.

Date of Government Version: 01/05/2016
Date Data Arrived at EDR: 01/07/2016
Date Made Active in Reports: 03/17/2016
Number of Days to Update: 70

Source: North Central Texas Council of Governments
Telephone: 817-695-9223
Last EDR Contact: 04/04/2016
Next Scheduled EDR Contact: 07/18/2016
Data Release Frequency: Varies

CAPCOG LI: Capitol Area Landfill Inventory
Permitted and unpermitted landfills for the CAPCOG region. Serving Bastrop, Blanco, Burnet, Caldwell, Fayette, Hays, Lee, Llano, Travis, and Williamson Counties.

Date of Government Version: 08/04/2008
Date Data Arrived at EDR: 01/07/2016
Date Made Active in Reports: 03/17/2016
Number of Days to Update: 70
Source: Capital Area Council of Governments
Telephone: 512-916-6000
Last EDR Contact: 04/08/2016
Next Scheduled EDR Contact: 07/18/2016
Data Release Frequency: Varies

SWRCY: Recycling Facility Listing
A listing of recycling facilities in the state.

Date of Government Version: 11/13/2015
Date Data Arrived at EDR: 11/23/2015
Date Made Active in Reports: 01/07/2016
Number of Days to Update: 45
Source: TCEQ
Telephone: 512-239-6700
Last EDR Contact: 03/04/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Varies

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: 04/27/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Varies

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: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/21/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: No Update Planned

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/17/2015
Date Data Arrived at EDR: 12/04/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 76
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/01/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: No Update Planned

PRIORITY CLEANERS: Dry Cleaner Remediation Program Prioritization List
A listing of dry cleaner related contaminated sites.

Date of Government Version: 09/01/2015
Date Data Arrived at EDR: 09/10/2015
Date Made Active in Reports: 10/01/2015
Number of Days to Update: 21

Source: Texas Commisision on Environmenatl Quality
Telephone: 512-239-5658
Last EDR Contact: 03/11/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Varies

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: 01/28/2016
Date Data Arrived at EDR: 02/02/2016
Date Made Active in Reports: 03/24/2016
Number of Days to Update: 51

Source: Texas Commission on Environmental Quality
Telephone: 512-239-0666
Last EDR Contact: 03/14/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Quarterly

US 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: 09/17/2015
Date Data Arrived at EDR: 12/04/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 76

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/01/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Quarterly

Local Land Records

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 Qualilty
Telephone: 512-239-2209
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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.

Date of Government Version: 08/24/2015
Date Data Arrived at EDR: 08/26/2015
Date Made Active in Reports: 10/01/2015
Number of Days to Update: 36

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2209
Last EDR Contact: 03/04/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

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: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/26/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

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: 06/24/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/30/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Annually

SPILLS: Spills Database

Spills reported to the Emergency Response Division.

Date of Government Version: 02/26/2016
Date Data Arrived at EDR: 03/01/2016
Date Made Active in Reports: 03/24/2016
Number of Days to Update: 23

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2507
Last EDR Contact: 04/18/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 10/23/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 05/15/2005
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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: 12/09/2015
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 03/30/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Varies

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: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/11/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/15/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Semi-Annually

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: 04/15/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: N/A

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: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/19/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/01/2015
Date Data Arrived at EDR: 09/03/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/16/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/09/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/12/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Varies

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: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/24/2016
Next Scheduled EDR Contact: 07/04/2016
Data Release Frequency: Every 4 Years

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: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/24/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Annually

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: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/25/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Annually

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: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/08/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2015
Date Data Arrived at EDR: 08/26/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/25/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/12/2016
Next Scheduled EDR Contact: 05/23/2016
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: 07/01/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 33

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/12/2016
Next Scheduled EDR Contact: 07/25/2016
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: 01/23/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/08/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Quarterly

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: 03/07/2016
Date Data Arrived at EDR: 03/18/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 28
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 05/06/2016
Next Scheduled EDR Contact: 08/22/2016
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 04/15/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/11/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 04/26/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

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: 07/07/2015
Date Data Arrived at EDR: 07/09/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/08/2016
Next Scheduled EDR Contact: 07/18/2016
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
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: 12/17/2007
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.

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

DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/04/2016
Next Scheduled EDR Contact: 08/15/2016
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: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/24/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Varies

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: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/26/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Biennially

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: 04/15/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 11/23/2015
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 86

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 02/08/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Varies

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: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 03/28/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/07/2016
Next Scheduled EDR Contact: 07/18/2016
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/24/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/24/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Annually

US 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: 02/09/2016
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/02/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/04/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/04/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Varies

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: 07/20/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 55

Source: EPA
Telephone: (214) 665-2200
Last EDR Contact: 03/08/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67
Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 04/18/2016
Next Scheduled EDR Contact: 07/04/2016
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 03/01/2016
Date Data Arrived at EDR: 03/03/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 33
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/24/2016
Next Scheduled EDR Contact: 06/13/2016
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: 01/08/2016
Date Data Arrived at EDR: 01/12/2016
Date Made Active in Reports: 03/17/2016
Number of Days to Update: 65
Source: Texas Commission on Environmental Quality
Telephone: N/A
Last EDR Contact: 03/14/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Semi-Annually

APAR: Affected Property Assessment Report Site Listing
Listing of Sites That Have Received an APAR (Affected Property Assessment Report)

Date of Government Version: 01/13/2016
Date Data Arrived at EDR: 01/28/2016
Date Made Active in Reports: 03/24/2016
Number of Days to Update: 56
Source: Texas Commission on Environmental Quality
Telephone: 512-239-5872
Last EDR Contact: 04/11/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites
A listing of facilities that use surface impoundments or landfills to dispose of coal ash.

Date of Government Version: 08/11/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/07/2016
Number of Days to Update: 55
Source: Texas Commission on Environmental Quality
Telephone: 512-239-6624
Last EDR Contact: 05/02/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Registration Database Listing
A listing of drycleaning facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 03/03/2016
Date Made Active in Reports: 03/24/2016
Number of Days to Update: 21
Source: Texas Commission on Environmental Quality
Telephone: 512-239-2160
Last EDR Contact: 03/03/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Varies

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: 01/26/2016
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 03/17/2016
Number of Days to Update: 48
Source: Texas Commission on Environmental Quality, Austin Region
Telephone: 512-339-2929
Last EDR Contact: 03/28/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Varies

ENFORCEMENT: Notice of Violations Listing
A listing of permit violations.

Date of Government Version: 01/28/2016
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 03/24/2016
Number of Days to Update: 55

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6012
Last EDR Contact: 05/02/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 12/22/2015
Date Data Arrived at EDR: 12/28/2015
Date Made Active in Reports: 02/01/2016
Number of Days to Update: 35

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6239
Last EDR Contact: 03/28/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
Financial Assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 12/08/2015
Date Data Arrived at EDR: 01/06/2016
Date Made Active in Reports: 03/17/2016
Number of Days to Update: 71

Source: Texas Commission on Environmental Quality
Telephone: 512-239-0986
Last EDR Contact: 03/31/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Quarterly

GCC: Groundwater Contamination Cases
Texas Water Code, Section 26.406 requires the annual report to describe the current status of groundwater monitoring activities conducted or required by each agency at regulated facilities or associated with regulated activities. The report is required to contain a description of each case of groundwater contamination documented during the previous calendar year. Also to be included, is a description of each case of contamination documented during previous periods for which voluntary clean up action was incomplete at the time the preceding report was issued. The report is also required to indicate the status of enforcement action for each listed case.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 09/08/2015
Date Made Active in Reports: 10/01/2015
Number of Days to Update: 23

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5690
Last EDR Contact: 03/04/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Annually

Ind. Haz Waste: Industrial & Hazardous Waste Database
Summary reports reported by waste handlers, generators and shippers in Texas.

Date of Government Version: 12/01/2015
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 03/24/2016
Number of Days to Update: 76

Source: Texas Commission on Environmental Quality
Telephone: 512-239-0985
Last EDR Contact: 04/19/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Annually

IHW CORR ACTION: IHW CORR ACTION
Industrial hazardous waste facilities with corrective actions.

Date of Government Version: 01/04/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 03/17/2016
Number of Days to Update: 69

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5872
Last EDR Contact: 04/04/2016
Next Scheduled EDR Contact: 07/18/2016
Data Release Frequency: Varies

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: 10/06/2015
Date Data Arrived at EDR: 10/08/2015
Date Made Active in Reports: 11/18/2015
Number of Days to Update: 41
Source: Texas Commission on Environmental Quality
Telephone: 512-239-5894
Last EDR Contact: 04/04/2016
Next Scheduled EDR Contact: 07/18/2016
Data Release Frequency: Quarterly

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 use as potable water, and is prohibited from future use as potatable water because that groundwater is contaminated in excess of the applicable potable-water protective concentration level.

Date of Government Version: 11/13/2015
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 01/07/2016
Number of Days to Update: 44
Source: Texas Commission on Environmental Quality
Telephone: 512-239-4982
Last EDR Contact: 05/02/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Varies

NPDES: NPDES Facility List
Permitted wastewater outfalls.

Date of Government Version: 02/17/2016
Date Data Arrived at EDR: 02/19/2016
Date Made Active in Reports: 03/24/2016
Number of Days to Update: 34
Source: Texas Commission on Environmental Quality
Telephone: 512-239-4591
Last EDR Contact: 02/19/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Varies

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

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: 02/19/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Semi-Annually

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: 12/31/2012
Date Data Arrived at EDR: 06/07/2013
Date Made Active in Reports: 07/22/2013
Number of Days to Update: 45
Source: Department of State Health Services
Telephone: 512-834-6603
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Annually

UIC: Underground Injection Wells Database Listing
Class V injection wells regulated by the TCEQ. Class V wells are used to inject non-hazardous fluids underground. Most Class V wells are used to dispose of wastes into or above underground sources of drinking water and can pose a threat to ground water quality, if not managed properly.

Date of Government Version: 02/02/2016
Date Data Arrived at EDR: 02/04/2016
Date Made Active in Reports: 03/24/2016
Number of Days to Update: 49
Source: Texas Commission on Environmental Quality
Telephone: 512-239-6627
Last EDR Contact: 04/18/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/20/2015
Date Data Arrived at EDR: 09/23/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 103

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/23/2016
Next Scheduled EDR Contact: 07/04/2016
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/23/2015
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 86

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/24/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: 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

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Texas Commission of Environmental Quality in Texas formerly known as Texas Natural Resources Conservation Commission which changed in 2002.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/26/2013
Number of Days to Update: 178

Source: Texas Commission on Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Texas Commission of Environmental Quality in Texas formerly known as Texas Natural Resources Conservation Commission which changed in 2002.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Texas Commission on Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

TRAVIS COUNTY:

Historic Tank Records

A listing of historic records from the City of Austin.

Date of Government Version: 06/25/2012
Date Data Arrived at EDR: 06/29/2012
Date Made Active in Reports: 08/23/2012
Number of Days to Update: 55

Source: Department of Planning & Development Review
Telephone: 512-974-2715
Last EDR Contact: 03/07/2016
Next Scheduled EDR Contact: 06/20/2016
Data Release Frequency: Varies

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: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/18/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/12/2015
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/12/2016
Next Scheduled EDR Contact: 07/25/2016
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: 02/01/2016
Date Data Arrived at EDR: 02/03/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/06/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/18/2015
Number of Days to Update: 25

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/18/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 03/21/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 03/16/2016
Date Data Arrived at EDR: 03/29/2016
Date Made Active in Reports: 04/19/2016
Number of Days to Update: 21

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 04/18/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/14/2016
Next Scheduled EDR Contact: 06/27/2016
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). 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.

Electric Power Transmission Line Data
Source: PennWell Corporation
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 2003 & 2011 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, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Texas General Land Office
Telephone: 512-463-0745

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GLO BW8 - STATE VETERANS HOME
8 N SAM HOUSTON PKWY E
HOUSTON, TX 77048

TARGET PROPERTY COORDINATES

Latitude (North):	29.60421 - 29° 36' 15.16''
Longitude (West):	95.339248 - 95° 20' 21.29''
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	273458.1
UTM Y (Meters):	3277036.8
Elevation:	51 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5937173 PEARLAND, TX
Version Date:	2013

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 principal 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).

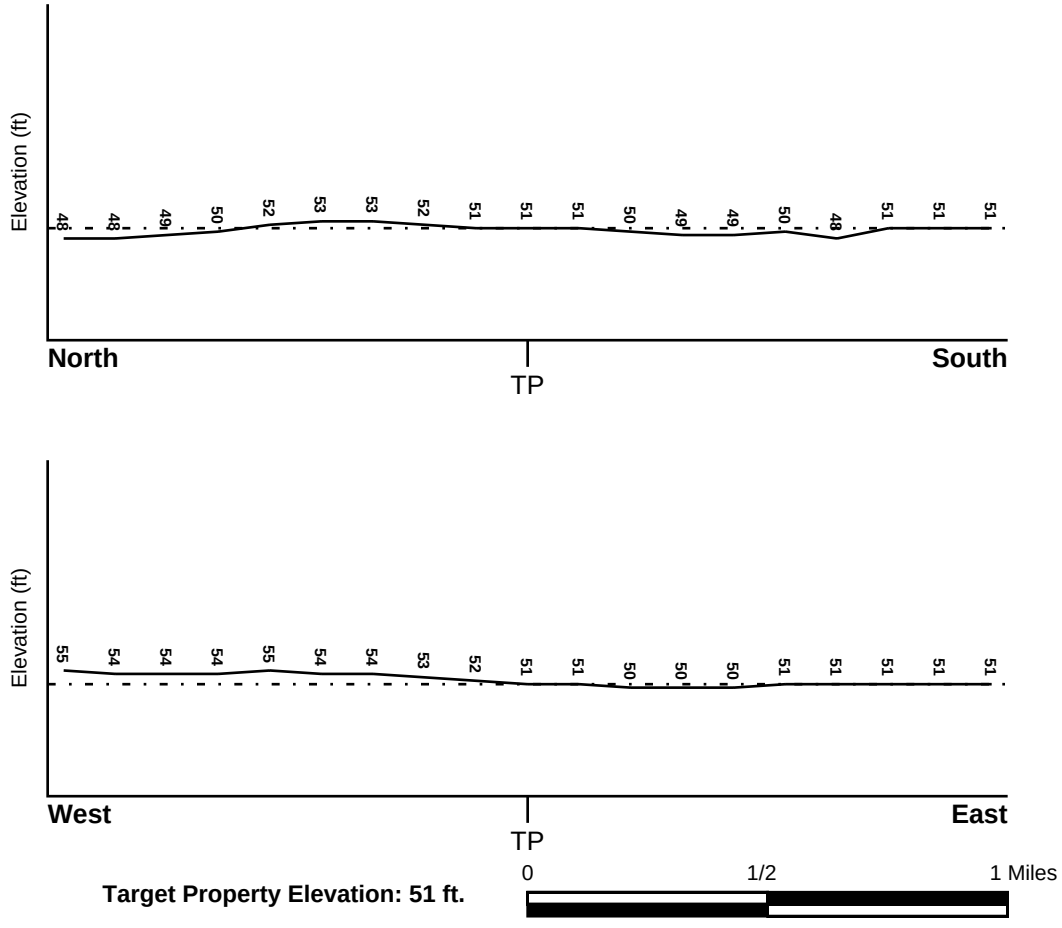
TOPOGRAPHIC INFORMATION

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 SE

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

Target Property County	FEMA Flood Electronic Data
HARRIS, TX	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 48201C - FEMA DFIRM Flood data

Additional Panels in search area: 48039C0030H - FEMA Q3 Flood data
4800770030H - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
PEARLAND	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

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

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

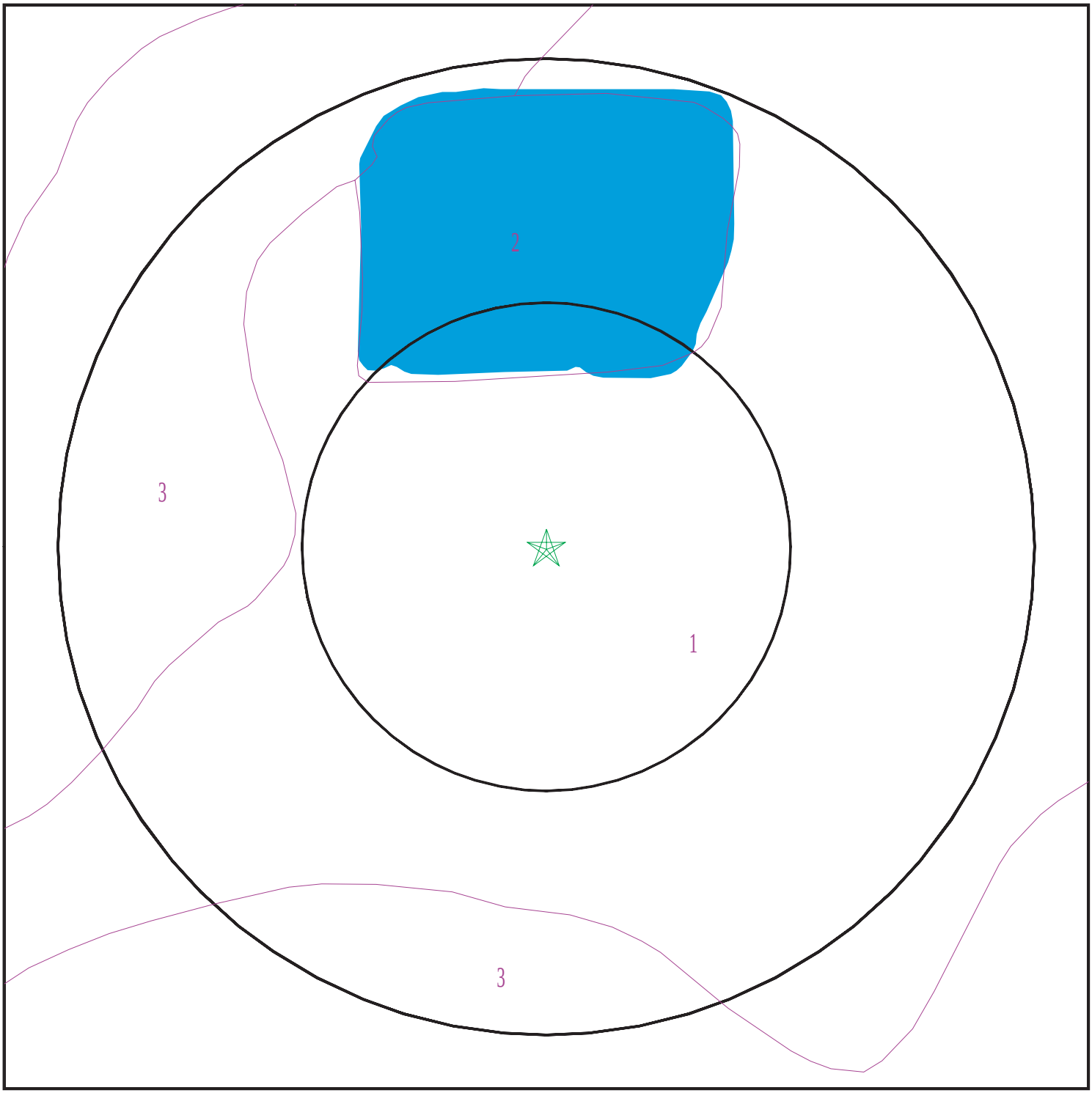
Era:	Cenozoic
System:	Quaternary
Series:	Pleistocene
Code:	Qp *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed 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 - 4613235.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	GLO BW8 - State Veterans Home	CLIENT:	Pape Dawson
ADDRESS:	8 N SAM HOUSTON PKWY E Houston TX 77048	CONTACT:	Stephanie Sunico
LAT/LONG:	29.60421 / 95.339248	INQUIRY #:	4613235.2s
		DATE:	May 09, 2016 1:42 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: Bernard

Soil Surface Texture: 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: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1
2	5 inches	33 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 7.8 Min: 6.1
3	33 inches	64 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 6.6

Soil Map ID: 2

Soil Component Name: Water

Soil Surface Texture: 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:
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.

Soil Map ID: 3

Soil Component Name: Bernard

Soil Surface Texture: 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: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	5 inches	33 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 7.8 Min: 6.1
3	33 inches	64 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 6.6

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

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

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	TXGH40000009759	1/8 - 1/4 Mile NW
2	TXMON3000074161	1/4 - 1/2 Mile SSW
A3	TXMON3000233884	1/4 - 1/2 Mile SW
A4	TXGH40000008055	1/4 - 1/2 Mile SW
5	TXGH40000007014	1/4 - 1/2 Mile NW
B6	TXGH40000008022	1/4 - 1/2 Mile SW
B7	TXEQ40000008479	1/4 - 1/2 Mile SW
C8	TXGH40000004630	1/4 - 1/2 Mile NE
B9	TXMON3000186668	1/4 - 1/2 Mile SW
10	TXGH40000008511	1/4 - 1/2 Mile WSW
D11	TXMON3000144750	1/4 - 1/2 Mile SE
E12	TXGH40000011120	1/4 - 1/2 Mile South
E13	TXMON3000176334	1/4 - 1/2 Mile South
C14	TXGH40000011948	1/4 - 1/2 Mile NE
F15	TXGH40000007208	1/4 - 1/2 Mile South
F16	TXMON3000037343	1/4 - 1/2 Mile South
G17	TXMON3000003386	1/2 - 1 Mile North
D18	TXDOL2000017514	1/2 - 1 Mile SE
D19	TXMON3000036221	1/2 - 1 Mile SE
20	TXGH40000007474	1/2 - 1 Mile ENE
21	TXWDB5000107892	1/2 - 1 Mile WNW
H22	TXGH40000007873	1/2 - 1 Mile North
H23	TXMON3000229873	1/2 - 1 Mile North
I24	TXGH40000006800	1/2 - 1 Mile NNW
G25	TXGH40000008645	1/2 - 1 Mile North
I26	TXMON3000172332	1/2 - 1 Mile NNW
J27	TXGH40000009107	1/2 - 1 Mile NNE
28	TXMON3000297992	1/2 - 1 Mile SE
J29	TXGH40000008885	1/2 - 1 Mile NNE
K30	TXWDB5000107890	1/2 - 1 Mile WNW
K31	TXWDB5000107891	1/2 - 1 Mile WNW
L32	TXEQ40000008354	1/2 - 1 Mile SW
33	TXMON3000140097	1/2 - 1 Mile ENE
K34	TXPLU3000001780	1/2 - 1 Mile WNW
L35	TXGH40000001329	1/2 - 1 Mile SW
L36	TXGH40000008545	1/2 - 1 Mile SW
37	TXPLU3000089894	1/2 - 1 Mile NW
38	TXGH40000008893	1/2 - 1 Mile NNW
M39	TXDOL2000015389	1/2 - 1 Mile SE
M40	TXMON3000142827	1/2 - 1 Mile SE
41	TXMON3000198598	1/2 - 1 Mile North
N42	TXMON3000297993	1/2 - 1 Mile SSE
O43	TXGH40000009702	1/2 - 1 Mile NW
N44	TXDOL2000016956	1/2 - 1 Mile SSE
N45	TXMON3000061377	1/2 - 1 Mile SSE
P46	TXMON3000201692	1/2 - 1 Mile SSE
O47	TXGH40000009254	1/2 - 1 Mile NW
48	TXGH40000011074	1/2 - 1 Mile ENE
P49	TXDOL2000014300	1/2 - 1 Mile SSE
P50	TXMON3000179320	1/2 - 1 Mile SSE
51	TXMON3000169392	1/2 - 1 Mile SSW
Q52	TXMON3000275401	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

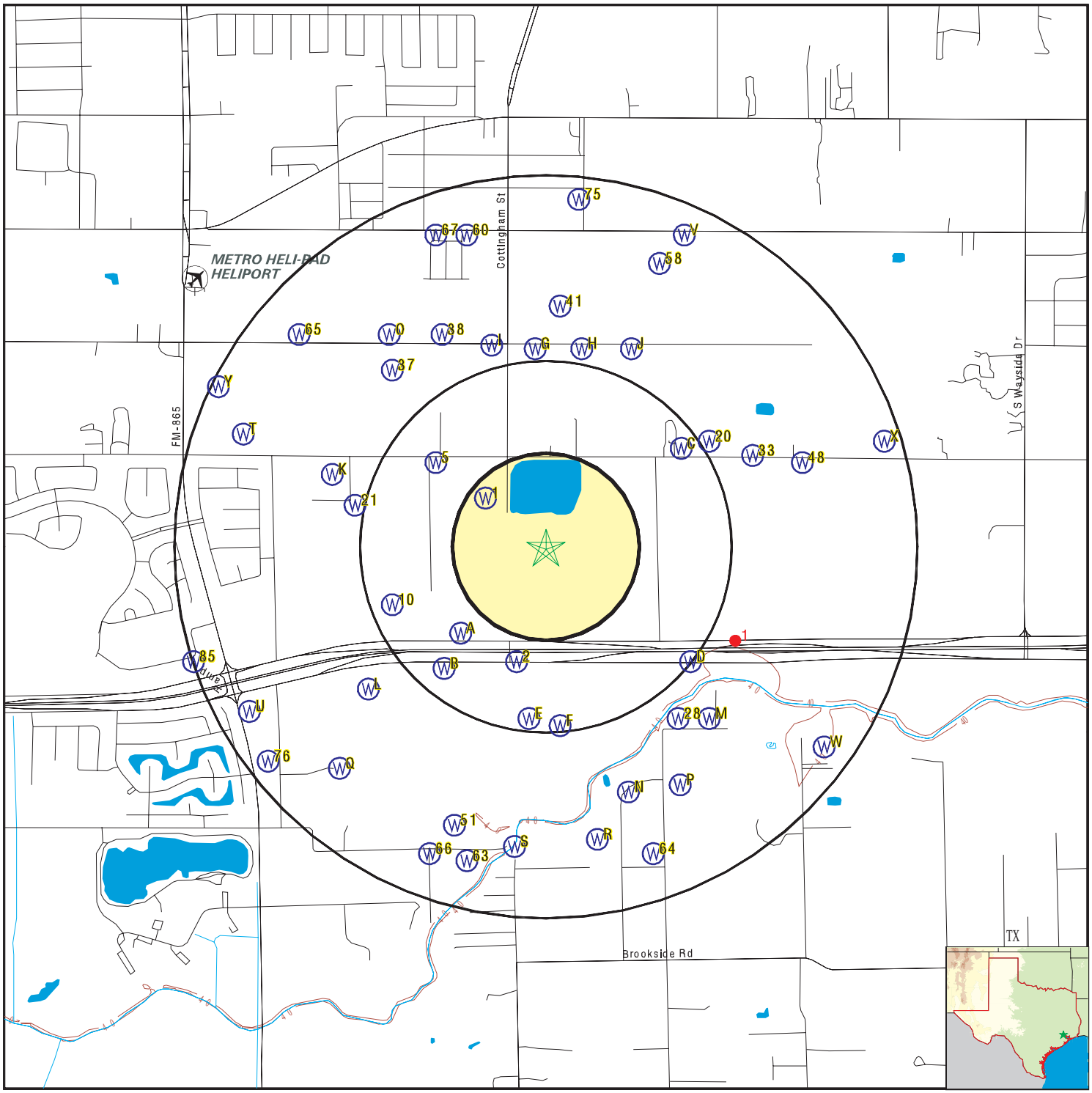
MAP ID	WELL ID	LOCATION FROM TP
R53	TXDOL2000014341	1/2 - 1 Mile South
R54	TXMON3000179025	1/2 - 1 Mile South
S55	TXDOL2000015003	1/2 - 1 Mile South
S56	TXMON3000164511	1/2 - 1 Mile South
S57	TXWDB5000107896	1/2 - 1 Mile South
58	TXGH40000001046	1/2 - 1 Mile NNE
Q59	TXGH40000010021	1/2 - 1 Mile SW
60	TXPLU3000089090	1/2 - 1 Mile NNW
T61	TXGH40000005674	1/2 - 1 Mile WNW
T62	TXGH40000006523	1/2 - 1 Mile WNW
63	TXMON3000172349	1/2 - 1 Mile SSW
64	TXMON3000203609	1/2 - 1 Mile SSE
65	TXGH40000010626	1/2 - 1 Mile NW
66	TXGH40000011342	1/2 - 1 Mile SSW
67	TXMON3000290030	1/2 - 1 Mile NNW
U68	TXMON3000187431	1/2 - 1 Mile WSW
V69	TXPLU3000014670	1/2 - 1 Mile NNE
W70	TXMON3000333103	1/2 - 1 Mile SE
U71	TXGH40000009036	1/2 - 1 Mile WSW
U72	TXMON3000018706	1/2 - 1 Mile WSW
V73	TXGH40000003652	1/2 - 1 Mile NNE
W74	TXPLU3000078735	1/2 - 1 Mile SE
75	TXPLU3000089089	1/2 - 1 Mile North
76	TXGH40000005261	1/2 - 1 Mile SW
X77	TXMON3000052573	1/2 - 1 Mile ENE
X78	TXMON3000052572	1/2 - 1 Mile ENE
X79	TXMON3000052575	1/2 - 1 Mile ENE
X80	TXMON3000052574	1/2 - 1 Mile ENE
X81	TXGH40000009399	1/2 - 1 Mile ENE
Y82	TXGH40000005951	1/2 - 1 Mile WNW
Y83	TXGH40000007146	1/2 - 1 Mile WNW
Y84	TXGH40000005132	1/2 - 1 Mile WNW
85	TXGH40000011896	1/2 - 1 Mile WSW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	TXOG60000494406	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 4613235.2s



- 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:	GLO BW8 - State Veterans Home	CLIENT:	Pape Dawson
ADDRESS:	8 N SAM HOUSTON PKWY E Houston TX 77048	CONTACT:	Stephanie Sunico
LAT/LONG:	29.60421 / 95.339248	INQUIRY #:	4613235.2s
		DATE:	May 09, 2016 1:42 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database	EDR ID Number
TX WELLS	**TXGH40000009759**

1
NW
1/8 - 1/4 Mile
Higher

Fid:	9758		
Permittee:	Fleming, Leon P.		
Wellowner:	Fleming, Leon P.		
Permitaggl:	9221		
Wellno:	9221		
Attn:	Not Reported		
Correspond:	Not Reported	Address:	12226 Cape Hyannis
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77048
Usage:	O	County:	H
Latd:	29		
Latm:	36		
Lats:	22		
Lond:	95		
Lonm:	20		
Lons:	31		
Latdd:	29.606111		
Londd:	-95.341944		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	2		
Yeardrill:	2002		
Totaldepth:	0		
Depthfirst:	72		
Newregulat:	2		
Endmo:	7		
Alloc:	0		
Altwater:	0		
Demand:	0		
Begindate:	07/18/02	Enddate:	07/18/02
Agg2013:	0		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	0		
Pump2011:	0		
Wellpump 2:	0		
Agg2010:	0		
Pump2010:	0		
Wellpump 3:	0		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		

Pump2007:	0
Wellpump 6:	0
Agg2006:	0
Pump2006:	0
Wellpump 7:	0
Agg2005:	0
Pump2005:	0
Wellpump 8:	0
Agg2004:	0
Pump2004:	0
Wellpump 9:	0
Agg2003:	0
Pump2003:	0
Wellpum 10:	0
Agg2002:	0
Pump2002:	0
Wellpum 11:	0
Agg2001:	0
Pump2001:	0
Wellpum 12:	0
Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0

Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	vachord	Inspected:	10-JUL-03
Site id:	TXGH40000009759		

2
SSW **TX WELLS** **TXMON3000074161**
1/4 - 1/2 Mile
Higher

Dateentere:	02-FEB-06	Ownname:	Homero Fonseca
Ownstreet:	3510 Schurmier Rd.		
Owncity:	Houston	Ownstate:	TX
Ownzip:	77047	County:	Harris
Wellstreet:	Same		
Wellcity:	Not Reported	Wellzip:	Not Reported
Own:	Not Reported		
Lat dec:	29.599721		
Long dec:	-95.340555		
Elev:	0		
Brandmodel:	Map		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	14-MAY-04	Datecomp:	17-MAY-04
Dia1:	7.5	Dia1to:	350
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	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
Cemfrom1:	0	Cemto1:	100
Nosacks1:	16	Cemfrom2:	Not Reported

Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Tremie Tuble
Cementby:	Wellco	Ds:	60
Dpl:	Not Reported	Dsv:	Measured
Appvar:	Not Reported	Scs:	0
Scsv:	1	Scp:	0
Sca:	0	Watlev:	160
Watlevdate:	17-MAY-04	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	220
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	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	Wellco Drilling and Service Co.
Drllicno:	3251		
Compstreet:	5423 Lotus St.	Compcity:	Houston
Compstate:	TX	Compzip:	77085
Drillernam:	Jimmy R. Davis Jr.	Traineenam:	Not Reported
Tnum:	Not Reported		
Comments:	Logged by DT$		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000074161		
Latitude:	29.599721		
Longitude:	-95.340555		

A3
SW
1/4 - 1/2 Mile
Higher

TX WELLS **TXMON3000233884**

Dateentere:	02-DEC-10	Ownname:	THV Equipment Holdings
Ownstreet:	2635 Miller Ranch Rd		
Owncity:	Pearland	Ownstate:	TX
Ownzip:	77584	County:	Harris
Wellstreet:	4649 S Sam Houston Parkway		
Wellcity:	Houston	Wellzip:	77042
Own:	Not Reported		
Lat dec:	29.600833		
Long dec:	-95.343055		
Elev:	0		
Brandmodel:	Garmin		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	Twn:	1
Twd:	0	Twr:	0
Twrp:	0	Twrg:	0
Um:	0	Ue:	0
Ud:	0	Uin:	0
Uir:	0	Ug:	0
Uij:	0	Up:	1

Udw:	0	Ut:	0
Us:	0	Uf:	0
Pby:	1	Pbn:	0
Datestart:	15-OCT-10	Datecomp:	30-NOV-10
Dia1:	8.75	Dia1to:	491
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	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
Cemfrom1:	0	Cemto1:	467
Nosacks1:	63 Bags Cement	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure
Cementby:	ODCI	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	1
Scsv:	0	Scp:	0
Sca:	0	Watlev:	491
Watlevdate:	Not Reported	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	294
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	60	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Reported
Stratdepth:	21	Chemanaly:	1
Chemanaln:	0	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	O'Day Drilling Company Inc
Drllicno:	4111		
Compstreet:	5923 CR 931	Compcity:	Rosharon
Compstate:	TX	Compzip:	77583
Drillernam:	Marshall Bannert	Traineenam:	Francisco Gutierrez
Tnum:	56778		
Comments:	TCEQ Well #1013466 HGCSD #11711 Meter #6833378		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000233884		
Latitude:	29.600833		
Longitude:	-95.343055		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database	EDR ID Number
TX WELLS	**TXGH40000008055**

A4
SW
1/4 - 1/2 Mile
Higher

Fid:	8054		
Permittee:	IRISNDT		
Wellowner:	IRISNDT		
Permitaggl:	11711		
Wellno:	11711		
Attn:	Accts Payable		
Correspond:	Not Reported	Address:	1115 W 41st Street
Address2:	Not Reported	City:	Tulsa
State:	OK	Zip:	74107
Usage:	D	County:	H
Latd:	29		
Latm:	36		
Lats:	3		
Lond:	95		
Lonm:	20		
Lons:	35		
Latdd:	29.600833		
Londd:	-95.343055		
Statequadr:	30		
Stateblock:	65		
Stateni:	3		
Diameter:	4		
Yeardrill:	2011		
Totaldepth:	350		
Depthfirst:	330		
Newregulat:	2		
Endmo:	12		
Alloc:	6.3		
Altwater:	0		
Demand:	6.3		
Begindate:	01/01/15	Enddate:	12/31/15
Agg2013:	1		
Pump2013:	349000		
Wellpump20:	349000		
Agg2012:	1		
Pump2012:	518000		
Wellpump 1:	518000		
Agg2011:	1		
Pump2011:	679000		
Wellpump 2:	679000		
Agg2010:	1		
Pump2010:	0		
Wellpump 3:	0		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		

Pump2007:	0
Wellpump 6:	0
Agg2006:	0
Pump2006:	0
Wellpump 7:	0
Agg2005:	0
Pump2005:	0
Wellpump 8:	0
Agg2004:	0
Pump2004:	0
Wellpump 9:	0
Agg2003:	0
Pump2003:	0
Wellpum 10:	0
Agg2002:	0
Pump2002:	0
Wellpum 11:	0
Agg2001:	0
Pump2001:	0
Wellpum 12:	0
Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0

Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	DJones	Inspected:	15-JAN-14
Site id:	TXGH40000008055		

5
NW
1/4 - 1/2 Mile
Higher

TX WELLS **TXGH40000007014**

Fid:	7013		
Permittee:	Montgomery, Ray		
Wellowner:	Montgomery, Ray		
Permitaggl:	9921		
Wellno:	9921		
Attn:	Not Reported		
Correspond:	Not Reported	Address:	3107 S. Weber Ct.
Address2:	Not Reported	City:	Pearland
State:	TX	Zip:	77584
Usage:	D	County:	H
Latd:	29		
Latm:	36		
Lats:	27		
Lond:	95		
Lonm:	20		
Lons:	39		
Latdd:	29.6075		
Londd:	-95.344166		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	4		
Yeardrill:	Not Reported		
Totaldepth:	300		
Depthfirst:	290		
Newregulat:	2		
Endmo:	12		
Alloc:	0		
Altwater:	0		
Demand:	0		
Begindate:	12/31/08	Enddate:	12/31/08
Agg2013:	0		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	0		
Pump2011:	0		
Wellpump 2:	0		

Agg2010:	0
Pump2010:	0
Wellpump 3:	0
Agg2009:	0
Pump2009:	0
Wellpump 4:	0
Agg2008:	1
Pump2008:	0
Wellpump 5:	0
Agg2007:	1
Pump2007:	0
Wellpump 6:	0
Agg2006:	1
Pump2006:	0
Wellpump 7:	0
Agg2005:	1
Pump2005:	0
Wellpump 8:	0
Agg2004:	0
Pump2004:	0
Wellpump 9:	0
Agg2003:	0
Pump2003:	0
Wellpum 10:	0
Agg2002:	0
Pump2002:	0
Wellpum 11:	0
Agg2001:	0
Pump2001:	0
Wellpum 12:	0
Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0

Agg1990:	0		
Pump1990:	0		
Wellpum 22:	0		
Agg1989:	0		
Pump1989:	0		
Wellpum 23:	0		
Agg1979:	0		
Pump1979:	0		
Wellpum 24:	0		
Agg1978:	0		
Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	bpadilla	Inspected:	18-FEB-09
Site id:	TXGH40000007014		

B6
SW **TX WELLS** **TXGH40000008022**
1/4 - 1/2 Mile
Higher

Fid:	8021		
Permittee:	Dixon, John		
Wellowner:	Dixon, John		
Permitaggl:	10038		
Wellno:	10038		
Attn:	Not Reported		
Correspond:	Dixequip, Inc.	Address:	4650 S Sam Houston Parkway E
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77048
Usage:	D	County:	H
Latd:	29		
Latm:	35		
Lats:	58		
Lond:	95		
Lonm:	20		
Lons:	37		
Latdd:	29.599444		
Londd:	-95.343611		
Statequadr:	30		
Stateblock:	65		
Stateni:	2		
Diameter:	4		
Yeardrill:	2006		
Totaldepth:	300		
Depthfirst:	290		
Newregulat:	2		
Endmo:	12		
Alloc:	.1		
Altwater:	0		
Demand:	.1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Begindate:	01/01/15	Enddate:	12/31/15
Agg2013:	1		
Pump2013:	52000		
Wellpump20:	52000		
Agg2012:	1		
Pump2012:	52000		
Wellpump 1:	52000		
Agg2011:	1		
Pump2011:	52000		
Wellpump 2:	52000		
Agg2010:	1		
Pump2010:	65000		
Wellpump 3:	65000		
Agg2009:	1		
Pump2009:	65000		
Wellpump 4:	65000		
Agg2008:	1		
Pump2008:	65000		
Wellpump 5:	65000		
Agg2007:	1		
Pump2007:	0		
Wellpump 6:	0		
Agg2006:	1		
Pump2006:	0		
Wellpump 7:	0		
Agg2005:	1		
Pump2005:	0		
Wellpump 8:	0		
Agg2004:	0		
Pump2004:	0		
Wellpump 9:	0		
Agg2003:	0		
Pump2003:	0		
Wellpum 10:	0		
Agg2002:	0		
Pump2002:	0		
Wellpum 11:	0		
Agg2001:	0		
Pump2001:	0		
Wellpum 12:	0		
Agg2000:	0		
Pump2000:	0		
Wellpum 13:	0		
Agg1999:	0		
Pump1999:	0		
Wellpump19:	0		
Agg1998:	0		
Pump1998:	0		
Wellpum 14:	0		
Agg1997:	0		
Pump1997:	0		
Wellpum 15:	0		
Agg1996:	0		
Pump1996:	0		
Wellpum 16:	0		
Agg1995:	0		
Pump1995:	0		
Wellpum 17:	0		
Agg1994:	0		
Pump1994:	0		

Wellpum 18:	0		
Agg1993:	0		
Pump1993:	0		
Wellpum 19:	0		
Agg1992:	0		
Pump1992:	0		
Wellpum 20:	0		
Agg1991:	0		
Pump1991:	0		
Wellpum 21:	0		
Agg1990:	0		
Pump1990:	0		
Wellpum 22:	0		
Agg1989:	0		
Pump1989:	0		
Wellpum 23:	0		
Agg1979:	0		
Pump1979:	0		
Wellpum 24:	0		
Agg1978:	0		
Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	EGonzalez	Inspected:	28-MAY-14
Site id:	TXGH40000008022		

B7
SW
1/4 - 1/2 Mile
Higher

TX WELLS **TXEQ40000008479**

Fid:	8478	Pws id:	1013466
Water sour:	G1013466A	Fips count:	201
Quadrangle:	2995-421		
Latitude:	293558.15625		
Longitude:	952038		
Location a:	U	Agency:	TCEQ
Location m:	GIS-M3	Horizontal:	83
Spatial re:	T	Horizont 1:	U
Horizont 2:	S	Elevation:	0
Elevation :	U	Vertical d:	00
Location d:	16-OCT-13	Elevation1:	01-JAN-01
Elevatio 1:	UNK	Elevatio 2:	U
Latdd:	29.599489		
Longdd:	95.34389		
Gps certif:	Not Reported	Need bette:	Yes
Last chang:	16-OCT-13	Initials:	GST
Remarks:	Not Reported		
Site id:	TXEQ40000008479		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Groundwater Info		PWS Id:	1013466
Well depth:	491	Depth agency:	DRILL
Depth source:	D	Aquifer:	112CHCT
Aquifer id:	31		
Aquifer name:	Chicot		
Aquifer method:	X	Aquifer type:	0
Drill date:	20101130	Last change:	07-FEB-11
Initials:	GST		
Remarks:	Not Reported		

Pws id:	1013466	Water source:	G1013466A
Fips county code:	201	Quadrangle number:	2995-421
Latitude:	293558.15625		
Longitude:	952038.		
Location accuracy:	U	Agency:	TCEQ
Location method:	GIS-M3	Horizontal datum:	83
Spatial reference code:	T	Horizontal accuracy:	U
Horizontal reference:	S	Elevation:	0
Elevation method:	U	Vertical datum:	00
Location date:	16-OCT-13	Elevation date:	01-JAN-01
Elevation agency:	UNK	Elevation accuracy:	U
Latdd:	29.599489		
Longdd:	95.34389		
Gps certification number:	Not Reported	Need better location:	Yes
Last change:	16-OCT-13	Initials:	GST
Remarks:	Not Reported		

Construction:			
Top depth:	0.	Bottom depth:	467.
Depth positive:	Not Reported	Diameter:	8.8
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:	GST	Last change:	24-JAN-11

Construction:			
Top depth:	0.	Bottom depth:	467.
Depth positive:	Not Reported	Diameter:	5.
Opening type:	Not Reported	Casing material:	P
Opening material:	Not Reported	Opening length:	Not Reported
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	GST	Last change:	24-JAN-11

Construction:			
Top depth:	450.	Bottom depth:	471.
Depth positive:	Not Reported	Diameter:	3.
Opening type:	Not Reported	Casing material:	H
Opening material:	Not Reported	Opening length:	Not Reported
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	GST	Last change:	07-FEB-11

Construction:			
Top depth:	471.	Bottom depth:	491.
Depth positive:	Not Reported	Diameter:	2.5
Opening type:	S	Casing material:	Not Reported
Opening material:	R	Opening length:	Not Reported
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	GST	Last change:	07-FEB-11

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pws id:	1013466	Water source:	G1013466A
Record number:	1	Top depth:	0.
Bottom depth:	3.	Thickness:	3.
Geologic description:	TOP SOIL		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	GST
Last change:	07-FEB-11		
Remarks:	Not Reported		

Pws id:	1013466	Water source:	G1013466A
Record number:	2	Top depth:	3.
Bottom depth:	17.	Thickness:	14.
Geologic description:	CLAY		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	GST
Last change:	07-FEB-11		
Remarks:	Not Reported		

Pws id:	1013466	Water source:	G1013466A
Record number:	3	Top depth:	17.
Bottom depth:	22.	Thickness:	5.
Geologic description:	SAND		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	GST
Last change:	07-FEB-11		
Remarks:	Not Reported		

Pws id:	1013466	Water source:	G1013466A
Record number:	4	Top depth:	22.
Bottom depth:	72.	Thickness:	50.
Geologic description:	CLAY		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	GST
Last change:	07-FEB-11		
Remarks:	Not Reported		

Pws id:	1013466	Water source:	G1013466A
Record number:	5	Top depth:	72.
Bottom depth:	84.	Thickness:	12.
Geologic description:	SAND		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	GST
Last change:	07-FEB-11		
Remarks:	Not Reported		

Pws id:	1013466	Water source:	G1013466A
Record number:	6	Top depth:	84.
Bottom depth:	212.	Thickness:	128.
Geologic description:	CLAY		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	GST
Last change:	07-FEB-11		
Remarks:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pws id:	1013466	Water source:	G1013466A
Record number:	7	Top depth:	212.
Bottom depth:	216.	Thickness:	4.
Geologic description:	SAND		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	GST
Last change:	07-FEB-11		
Remarks:	Not Reported		

Pws id:	1013466	Water source:	G1013466A
Record number:	8	Top depth:	216.
Bottom depth:	341.	Thickness:	125.
Geologic description:	CLAY		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	GST
Last change:	07-FEB-11		
Remarks:	Not Reported		

Pws id:	1013466	Water source:	G1013466A
Record number:	9	Top depth:	341.
Bottom depth:	352.	Thickness:	11.
Geologic description:	SAND		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	GST
Last change:	07-FEB-11		
Remarks:	Not Reported		

Pws id:	1013466	Water source:	G1013466A
Record number:	10	Top depth:	352.
Bottom depth:	358.	Thickness:	6.
Geologic description:	CLAY		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	GST
Last change:	07-FEB-11		
Remarks:	Not Reported		

Pws id:	1013466	Water source:	G1013466A
Record number:	11	Top depth:	358.
Bottom depth:	367.	Thickness:	9.
Geologic description:	SAND		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	GST
Last change:	07-FEB-11		
Remarks:	Not Reported		

Pws id:	1013466	Water source:	G1013466A
Record number:	12	Top depth:	367.
Bottom depth:	427.	Thickness:	60.
Geologic description:	CLAY		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	GST
Last change:	07-FEB-11		
Remarks:	Not Reported		

Pws id:	1013466	Water source:	G1013466A
Record number:	13	Top depth:	427.
Bottom depth:	430.	Thickness:	3.
Geologic description:	SAND		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	GST
Last change:	07-FEB-11		
Remarks:	Not Reported		

Pws id:	1013466	Water source:	G1013466A
Record number:	14	Top depth:	430.
Bottom depth:	470.	Thickness:	40.
Geologic description:	CLAY		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	GST
Last change:	07-FEB-11		
Remarks:	Not Reported		

Pws id:	1013466	Water source:	G1013466A
Record number:	15	Top depth:	470.
Bottom depth:	491.	Thickness:	Not Reported
Geologic description:	SAND		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	GST
Last change:	07-FEB-11		
Remarks:	Not Reported		

C8
NE
1/4 - 1/2 Mile
Higher

TX WELLS **TXGH40000004630**

Fid:	4629		
Permittee:	Young, Inc., Dennis		
Wellowner:	Young, Inc., Dennis		
Permitaggl:	6311		
Wellno:	6311		
Attn:	Not Reported		
Correspond:	Not Reported	Address:	1541 Roy Rd.
Address2:	Not Reported	City:	Pearland
State:	TX	Zip:	77581
Usage:	D	County:	H
Latd:	29		
Latm:	36		
Lats:	29		
Lond:	95		
Lonm:	20		
Lons:	1		
Latdd:	29.608055		
Londd:	-95.333611		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	4		
Yeardrill:	1999		
Totaldepth:	95		
Depthfirst:	0		
Newregulat:	2		
Endmo:	12		
Alloc:	.5		
Altwater:	0		
Demand:	.5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Begindate:	01/01/11	Enddate:	12/31/15
Agg2013:	1		
Pump2013:	9600		
Wellpump20:	9600		
Agg2012:	1		
Pump2012:	9600		
Wellpump 1:	9600		
Agg2011:	1		
Pump2011:	9600		
Wellpump 2:	9600		
Agg2010:	1		
Pump2010:	14600		
Wellpump 3:	14600		
Agg2009:	1		
Pump2009:	9600		
Wellpump 4:	9600		
Agg2008:	1		
Pump2008:	14600		
Wellpump 5:	14600		
Agg2007:	0		
Pump2007:	0		
Wellpump 6:	0		
Agg2006:	1		
Pump2006:	9600		
Wellpump 7:	9600		
Agg2005:	1		
Pump2005:	9600		
Wellpump 8:	9600		
Agg2004:	1		
Pump2004:	9600		
Wellpump 9:	9600		
Agg2003:	1		
Pump2003:	9600		
Wellpum 10:	9600		
Agg2002:	1		
Pump2002:	9600		
Wellpum 11:	9600		
Agg2001:	0		
Pump2001:	0		
Wellpum 12:	0		
Agg2000:	0		
Pump2000:	0		
Wellpum 13:	0		
Agg1999:	1		
Pump1999:	0		
Wellpump19:	0		
Agg1998:	1		
Pump1998:	7200		
Wellpum 14:	7200		
Agg1997:	0		
Pump1997:	0		
Wellpum 15:	0		
Agg1996:	0		
Pump1996:	0		
Wellpum 16:	0		
Agg1995:	0		
Pump1995:	0		
Wellpum 17:	0		
Agg1994:	0		
Pump1994:	0		

Wellpum 18:	0		
Agg1993:	0		
Pump1993:	0		
Wellpum 19:	0		
Agg1992:	0		
Pump1992:	0		
Wellpum 20:	0		
Agg1991:	0		
Pump1991:	0		
Wellpum 21:	0		
Agg1990:	0		
Pump1990:	0		
Wellpum 22:	0		
Agg1989:	0		
Pump1989:	0		
Wellpum 23:	0		
Agg1979:	0		
Pump1979:	0		
Wellpum 24:	0		
Agg1978:	0		
Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	sulcak	Inspected:	10-FEB-11
Site id:	TXGH40000004630		

B9
SW
1/4 - 1/2 Mile
Higher

TX WELLS **TXMON3000186668**

Dateentere:	10-AUG-09	Ownname:	John Dixon (DixieQuip)
Ownstreet:	4650 Beltway 8 South		
Owncity:	Houston	Ownstate:	TX
Ownzip:	Not Reported	County:	Harris
Wellstreet:	4650 Beltway 8 South		
Wellcity:	Houston	Wellzip:	Not Reported
Own:	Well Log 03200		
Lat dec:	29.599444		
Long dec:	-95.343888		
Elev:	0		
Brandmodel:	Not Reported		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	03-NOV-06	Datecomp:	06-NOV-06
Dia1:	7	Dia1to:	348
Dia2:	4.5	Dia2from:	348
Dia2to:	360	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	1	Bcot:	Two String / K-Packer
Gpf:	Not Reported	Gpt:	Not Reported
Cemfrom1:	0	Cemto1:	348
Nosacks1:	43	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure-Halliburton
Cementby:	AWWS	Ds:	50+
Dpl:	Not Reported	Dsv:	Owner
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	1	Watlev:	159
Watlevdate:	06-NOV-06	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	231
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	60	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Tested
Stratdepth:	360	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	Almeda Water Well Service
Drllicno:	2843		
Compstreet:	P.O. Box 266	Compcity:	Manvel
Compstate:	TX	Compzip:	77578
Drillernam:	Mike Pyburn	Traineenam:	Not Reported
Tnum:	Not Reported		
Comments:	Proposed use listed as "Commercial" $mew		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000186668		
Latitude:	29.599444		
Longitude:	-95.343888		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

10
WSW
1/4 - 1/2 Mile
Higher | **TX WELLS** | **TXGH40000008511**

Fid:	8510		
Permittee:	Frontier Collision, LLC		
Wellowner:	Frontier Collision, LLC		
Permitaggl:	10397		
Wellno:	10397		
Attn:	William Griffin		
Correspond:	Not Reported	Address:	4545 S Sam Houston Parkway E
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77048
Usage:	D	County:	H
Latd:	29		
Latm:	36		
Lats:	7		
Lond:	95		
Lonm:	20		
Lons:	46		
Latdd:	29.601944		
Londd:	-95.346111		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	4		
Yeardrill:	2006		
Totaldepth:	300		
Depthfirst:	290		
Newregulat:	2		
Endmo:	4		
Alloc:	5		
Altwater:	0		
Demand:	5		
Begindate:	05/01/11	Enddate:	04/30/16
Agg2013:	1		
Pump2013:	36000		
Wellpump20:	36000		
Agg2012:	1		
Pump2012:	36500		
Wellpump 1:	36500		
Agg2011:	1		
Pump2011:	36500		
Wellpump 2:	36500		
Agg2010:	1		
Pump2010:	37640		
Wellpump 3:	37640		
Agg2009:	1		
Pump2009:	38272		
Wellpump 4:	38272		
Agg2008:	1		
Pump2008:	4712		
Wellpump 5:	4712		
Agg2007:	0		

Pump2007:	0
Wellpump 6:	0
Agg2006:	1
Pump2006:	10000
Wellpump 7:	10000
Agg2005:	0
Pump2005:	0
Wellpump 8:	0
Agg2004:	0
Pump2004:	0
Wellpump 9:	0
Agg2003:	0
Pump2003:	0
Wellpum 10:	0
Agg2002:	0
Pump2002:	0
Wellpum 11:	0
Agg2001:	0
Pump2001:	0
Wellpum 12:	0
Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0

Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	bpadilla	Inspected:	27-APR-11
Site id:	TXGH40000008511		

D11
SE
1/4 - 1/2 Mile
Lower

TX WELLS **TXMON3000144750**

Dateentere:	20-JUL-08	Ownname:	Andres Curiel
Ownstreet:	17406 Cross Cove Ct.		
Owncity:	Houston	Ownstate:	TX
Ownzip:	77095	County:	Harris
Wellstreet:	5025 Fuque		
Wellcity:	Houston	Wellzip:	77048
Own:	10931		
Lat dec:	29.600277		
Long dec:	-95.333333		
Elev:	60		
Brandmodel:	Etrax		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	Twn:	1
Twd:	0	Twr:	0
Twrp:	0	Twrg:	0
Um:	0	Ue:	0
Ud:	0	Uin:	1
Uir:	0	Ug:	0
Uij:	0	Up:	0
Udw:	0	Ut:	0
Us:	0	Uf:	0
Pby:	0	Pbn:	0
Datestart:	19-JUL-08	Datecomp:	19-JUL-08
Dia1:	5	Dia1to:	87
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	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
Cemfrom1:	0	Cemto1:	39
Nosacks1:	3	Cemfrom2:	Not Reported

Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Tremme Line
Cementby:	G.W. Davis Water Well Serv	Ds:	160
Dpl:	15	Dsv:	Measured
Appvar:	Not Reported	Scs:	0
Scsv:	1	Scp:	0
Sca:	0	Watlev:	21
Watlevdate:	19-JUL-08	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	1	Tpsubmersi:	0
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	40
Wtpump:	1	Wtbailer:	0
Wtjetted:	0	Wtestimate:	0
Welltestyi:	9	Welltestdr:	0
Welltesthr:	1	Watqualund:	0
Watqualu 1:	1	Watertype:	Potable
Stratdepth:	87	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	G.W. Davis Water Well Service
Drllicno:	4729		
Compstreet:	405 South 7th Street	Compcity:	Beasley
Compstate:	TX	Compzip:	77417
Drillernam:	Gary Davis	Traineenam:	Not Reported
Tnum:	Not Reported		
Comments:	Not Reported		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000144750		
Latitude:	29.600277		
Longitude:	-95.333333		

E12
South
1/4 - 1/2 Mile
Higher

TX WELLS **TXGH40000011120**

Fid:	11119		
Permittee:	Tang, Loan Ngoc		
Wellowner:	Tang, Loan Ngoc		
Permitaggl:	11088		
Wellno:	11088		
Attn:	Not Reported		
Correspond:	Not Reported	Address:	4714 Center St.
Address2:	Not Reported	City:	Deer Park
State:	TX	Zip:	77536
Usage:	O	County:	H
Latd:	29		
Latm:	35		
Lats:	51		
Lond:	95		
Lonm:	20		
Lons:	24		
Latdd:	29.5975		
Londd:	-95.34		
Statequadr:	30		
Stateblock:	65		

Stateni:	1		
Diameter:	2		
Yeardrill:	Not Reported		
Totaldepth:	200		
Depthfirst:	190		
Newregulat:	2		
Endmo:	12		
Alloc:	1		
Altwater:	0		
Demand:	1		
Begindate:	01/01/15	Enddate:	12/31/15
Agg2013:	1		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	1		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	1		
Pump2011:	0		
Wellpump 2:	0		
Agg2010:	1		
Pump2010:	0		
Wellpump 3:	0		
Agg2009:	1		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		
Pump2007:	0		
Wellpump 6:	0		
Agg2006:	0		
Pump2006:	0		
Wellpump 7:	0		
Agg2005:	0		
Pump2005:	0		
Wellpump 8:	0		
Agg2004:	0		
Pump2004:	0		
Wellpump 9:	0		
Agg2003:	0		
Pump2003:	0		
Wellpum 10:	0		
Agg2002:	0		
Pump2002:	0		
Wellpum 11:	0		
Agg2001:	0		
Pump2001:	0		
Wellpum 12:	0		
Agg2000:	0		
Pump2000:	0		
Wellpum 13:	0		
Agg1999:	0		
Pump1999:	0		
Wellpump19:	0		
Agg1998:	0		
Pump1998:	0		
Wellpum 14:	0		
Agg1997:	0		

Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0
Pump1978:	0
Wellpum 25:	0
Agg1977:	0
Pump1977:	0
Wellpum 26:	0
Agg1976:	0
Pump1976:	0
Wellpum 27:	0
Inspector:	DJones
Inspected:	21-FEB-14
Site id:	TXGH40000011120

E13
South
1/4 - 1/2 Mile
Higher

TX WELLS **TXMON3000176334**

Dateentere:	20-MAY-09	Ownname:	Tang, Loan
Ownstreet:	1708 Live Oaks		
Owncity:	Houston	Ownstate:	TX
Ownzip:	77003	County:	Harris
Wellstreet:	14533 Cottingham		
Wellcity:	Houston	Wellzip:	77048
Own:	Not Reported		
Lat dec:	29.597499		
Long dec:	-95.339999		
Elev:	130		

Brandmodel:	Garmin		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	Twn:	1
Twd:	0	Twr:	0
Twrp:	0	Twrg:	0
Um:	0	Ue:	0
Ud:	0	Uin:	0
Uir:	1	Ug:	0
Uij:	0	Up:	0
Udw:	0	Ut:	0
Us:	0	Uf:	0
Pby:	0	Pbn:	0
Datestart:	21-MAY-09	Datecomp:	21-MAY-09
Dia1:	4.5	Dia1to:	230
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	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
Cemfrom1:	0	Cemto1:	75
Nosacks1:	3 Bags Cement	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	2 BagBentonite
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Trimmie Line
Cementby:	ODCI	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	0
Scsv:	1	Scp:	0
Sca:	0	Watlev:	20
Watlevdate:	Not Reported	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	1	Tpsubmersi:	0
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	40
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	12	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Reported
Stratdepth:	8	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	O'Day Drilling Company, Inc
Drllicno:	4883		
Compstreet:	5923 CR 931	Compcity:	Rosharon
Compstate:	TX	Compzip:	77583
Drillernam:	Angel Bautista	Traineenam:	Not Reported
Tnum:	Not Reported		
Comments:	Not Reported		

Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000176334		
Latitude:	29.597499		
Longitude:	-95.339999		

C14
NE
1/4 - 1/2 Mile
Higher

TX WELLS **TXGH40000011948**

Fid:	11947		
Permittee:	WS Coatings, Inc.		
Wellowner:	WS Coatings, Inc.		
Permitaggl:	9196		
Wellno:	9196		
Attn:	Wendy Smith		
Correspond:	Not Reported	Address:	P.O. Box 2211
Address2:	Not Reported	City:	Pearland
State:	TX	Zip:	77588
Usage:	D	County:	H
Latd:	29		
Latm:	36		
Lats:	29		
Lond:	95		
Lonm:	19		
Lons:	58		
Latdd:	29.608055		
Londd:	-95.332777		
Statequadr:	30		
Stateblock:	65		
Stateni:	2		
Diameter:	4		
Yeardrill:	1998		
Totaldepth:	357		
Depthfirst:	344		
Newregulat:	2		
Endmo:	12		
Alloc:	.3		
Altwater:	0		
Demand:	.3		
Begindate:	01/01/15	Enddate:	12/31/15
Agg2013:	1		
Pump2013:	16810		
Wellpump20:	16810		
Agg2012:	1		
Pump2012:	12813		
Wellpump 1:	12813		
Agg2011:	1		
Pump2011:	18579		
Wellpump 2:	18579		
Agg2010:	1		
Pump2010:	11935		
Wellpump 3:	11935		
Agg2009:	1		
Pump2009:	4954		
Wellpump 4:	4954		
Agg2008:	1		
Pump2008:	10048		
Wellpump 5:	10048		
Agg2007:	1		

Pump2007:	3550
Wellpump 6:	3550
Agg2006:	1
Pump2006:	7500
Wellpump 7:	7500
Agg2005:	1
Pump2005:	0
Wellpump 8:	0
Agg2004:	1
Pump2004:	4256
Wellpump 9:	4256
Agg2003:	1
Pump2003:	1200
Wellpum 10:	1200
Agg2002:	1
Pump2002:	2000
Wellpum 11:	2000
Agg2001:	0
Pump2001:	0
Wellpum 12:	0
Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0

Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	EGonzalez	Inspected:	28-MAY-14
Site id:	TXGH40000011948		

F15
South
1/4 - 1/2 Mile
Lower

TX WELLS **TXGH40000007208**

Fid:	7207		
Permittee:	Giles, Bobby		
Wellowner:	Giles, Bobby		
Permitaggl:	9112		
Wellno:	9112		
Attn:	Not Reported		
Correspond:	Not Reported	Address:	P.O. Box 802276
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77280
Usage:	O	County:	H
Latd:	29		
Latm:	35		
Lats:	50		
Lond:	95		
Lonm:	20		
Lons:	19		
Latdd:	29.597222		
Londd:	-95.338611		
Statequadr:	30		
Stateblock:	65		
Stateni:	2		
Diameter:	5		
Yeardrill:	2002		
Totaldepth:	500		
Depthfirst:	490		
Newregulat:	2		
Endmo:	12		
Alloc:	4.4		
Altwater:	0		
Demand:	4.4		
Begindate:	01/01/12	Enddate:	12/31/12
Agg2013:	0		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	0		
Pump2011:	0		
Wellpump 2:	0		

Agg2010:	1
Pump2010:	139758
Wellpump 3:	139758
Agg2009:	1
Pump2009:	137352
Wellpump 4:	137352
Agg2008:	1
Pump2008:	133590
Wellpump 5:	133590
Agg2007:	1
Pump2007:	42508
Wellpump 6:	42508
Agg2006:	1
Pump2006:	127729
Wellpump 7:	127729
Agg2005:	1
Pump2005:	269133
Wellpump 8:	269133
Agg2004:	1
Pump2004:	37059
Wellpump 9:	37059
Agg2003:	1
Pump2003:	0
Wellpum 10:	0
Agg2002:	1
Pump2002:	0
Wellpum 11:	0
Agg2001:	0
Pump2001:	0
Wellpum 12:	0
Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0

Agg1990:	0		
Pump1990:	0		
Wellpum 22:	0		
Agg1989:	0		
Pump1989:	0		
Wellpum 23:	0		
Agg1979:	0		
Pump1979:	0		
Wellpum 24:	0		
Agg1978:	0		
Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	krodriguez	Inspected:	16-MAY-12
Site id:	TXGH40000007208		

F16
South **TX WELLS** **TXMON3000037343**
1/4 - 1/2 Mile
Lower

Dateentere:	28-MAY-04	Ownname:	Bobby Giles
Ownstreet:	5868 A-1 Westheimer #415		
Owncity:	Houston	Ownstate:	TX
Ownzip:	77057	County:	Harris
Wellstreet:	5210 South Sam Houston Pkwy. East		
Wellcity:	Houston	Wellzip:	77048
Own:	9112		
Lat dec:	29.597221		
Long dec:	-95.33861		
Elev:	0		
Brandmodel:	Not Reported		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	Twn:	1
Twd:	0	Twr:	0
Twrp:	0	Twrg:	0
Um:	0	Ue:	0
Ud:	0	Uin:	0
Uir:	1	Ug:	0
Uij:	0	Up:	0
Udw:	0	Ut:	0
Us:	0	Uf:	0
Pby:	0	Pbn:	0
Datestart:	03-MAR-04	Datecomp:	26-MAR-04
Dia1:	7.875	Dia1to:	520
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	Dmbored:	0

Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	1	Bcot:	2-String
Gpf:	Not Reported	Gpt:	Not Reported
Cemfrom1:	480	Cemto1:	0
Nosacks1:	35	Cemfrom2:	0
Cemto2:	10	Nosacks2:	10
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Halliburton
Cementby:	Robinson Water Well Service, Inc	Ds:	500
Dpl:	Not Reported	Dsv:	Owner
Appvar:	Not Reported	Scs:	1
Scsv:	0	Scp:	0
Sca:	0	Watlev:	195
Watlevdate:	26-MAR-04	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	300
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	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	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	Robinson Water Well Service, Inc.
Drllicno:	1464		
Compstreet:	11819 W. Montgomery Rd.	Compcity:	Houston
Compstate:	TX	Compzip:	77086
Drillernam:	M.E. Robinson Jr.	Traineenam:	Not Reported
Tnum:	Not Reported		
Comments:	Commercial & Irrigation Well		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000037343		
Latitude:	29.597221		
Longitude:	-95.33861		

G17
North
1/2 - 1 Mile
Higher

TX WELLS **TXMON3000003386**

Dateentere:	15-DEC-01	Ownname:	ALNER J. HOUSTON
Ownstreet:	4810 FUQUA		
Owncity:	HOUSTON	Ownstate:	TX
Ownzip:	77048	County:	Harris
Wellstreet:	4810 FUQUA		
Wellcity:	HOUSTON	Wellzip:	77048
Own:	ONE		
Lat dec:	29.611666		
Long dec:	-95.339721		
Elev:	0		

Brandmodel:	GPS 315 MAGALLAN		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	1
Datestart:	08-DEC-01	Datecomp:	09-DEC-01
Dia1:	0.4	Dia1to:	95
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	0	Bcot:	CONCIETE
Gpf:	Not Reported	Gpt:	Not Reported
Cemfrom1:	0	Cemto1:	60
Nosacks1:	5.0	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	PRURED
Cementby:	DRILL	Ds:	NONE
Dpl:	Not Reported	Dsv:	LIVE STOCK
Appvar:	Not Reported	Scs:	0
Scsv:	1	Scp:	0
Sca:	0	Watlev:	20
Watlevdate:	09-DEC-01	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	1	Tpsubmersi:	0
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	Not Reported
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	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:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	1	Compname:	A.C.HUGHES WATER WELL
Drllicno:	3248		
Compstreet:	12718 ARP ST	Compcity:	HOUSTON
Compstate:	TX	Compzip:	77085
Drillernam:	ALBERT C. HUGHES	Traineenam:	Not Reported
Tnum:	Not Reported		
Comments:	Not Reported		

Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000003386		
Latitude:	29.611666		
Longitude:	-95.339721		

D18
SE **TX WELLS** **TXDOL2000017514**
1/2 - 1 Mile
Lower

Fid:	17513	Rec id:	17508
Edr site i:	37122	Owner:	Uvaldo T. Garcia
Ownerwell:	Log 28200		
Address:	12519 Max Road	 Pearland	,TX
Grid:	65-30-2		
Waddress:	12519 Max Road	 Pearland	,TX
Lat :	29° 35 58N	Wcounty:	Brazoria
Long :	095° 19 57 W	Elevation:	No Data
Gpsused:	No Data	Typeofwork:	New Well
Propuse:	Domestic	Sdate:	Not Reported
Completedd:	Not Reported		
Diameter:	6.5 in From Surface To 298 ft		
Dmethod:	Mud Rotary		
Bcompletio:	Straight Wall		
Packedfrom:	Not Reported		
Packsize:	Not Reported		
Finterval:	From 280 ft to 0 ft with 15 cement (#sacks and material)		
Sinterval:	No Data		
Tinterval:	No Data		
Usedmethod:	Pressure	Cementedby:	ODCI
Contaminat:	No Data	Propertyli:	No Data
Verrimetho:	No Data	Variance:	No Data
Surface:	Surface Sleeve Installed	Staticleve:	170 ft. below land surface on9/19/2003
Flow:	No Data		
Packers:	B P Seal 268		
Cementinwe:	No Data	Typepump:	Submersible
Pumpbowl:	252 ft	Welltests:	Jetted
Yield:	30 GPM with (No Data) ft drawdown after (No Data) hours		
Watertype:	n/a	Stratadept:	24 ft.
Chemicalma:	No	Undesirabl:	No
Companynam:	ODay Drilling Company	Companyadd:	2357 Garden Road
Ccitystate:	Pearland , TX 77581	Licensenum:	4884
Wsignature:	Rogelio Meza	Dsignature:	Arturo Barrera
Regnum:	No Data		
Comments :	$dfs		
Site id:	TXDOL2000017514		

D19
SE **TX WELLS** **TXMON3000036221**
1/2 - 1 Mile
Lower

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dateentere:	07-MAY-04	Ownname:	Uvaldo T. Garcia
Ownstreet:	12519 Max Road		
Owncity:	Pearland	Ownstate:	TX
Ownzip:	Not Reported	County:	Brazoria
Wellstreet:	12519 Max Road		
Wellcity:	Pearland	Wellzip:	Not Reported
Own:	Log 28200		
Lat dec:	29.599444		
Long dec:	-95.332499		
Elev:	0		
Brandmodel:	Not Reported		
Gn:	65302		
Gn1:	65	Gn75:	30
Gn25:	2	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	17-SEP-03	Datecomp:	19-SEP-03
Dia1:	6.5	Dia1to:	298
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	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
Cemfrom1:	280	Cemto1:	0
Nosacks1:	15 cement	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure
Cementby:	ODCI	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	0
Scsv:	1	Scp:	0
Sca:	0	Watlev:	170
Watlevdate:	19-SEP-03	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	252
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	30	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	n/a
Stratdepth:	24	Chemanaly:	0
Chemanaln:	1	Undnatural:	0

Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	O'Day Drilling Company
Drllicno:	4884		
Compstreet:	2357 Garden Road	Compcity:	Pearland
Compstate:	TX	Compzip:	77581
Drillernam:	Rogelio Meza	Traineenam:	Arturo Barrera
Tnum:	Not Reported		
Comments:	$dfs		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000036221		
Latitude:	29.599444		
Longitude:	-95.332499		

20
ENE
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000007474**

Fid:	7473		
Permittee:	Cepak Holdngs, LP		
Wellowner:	Cepak Holdngs, LP		
Permitaggl:	10823		
Wellno:	10823		
Attn:	Bryan Cepak		
Correspond:	Not Reported	Address:	P.O. Box 450270
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77245
Usage:	D	County:	H
Latd:	29		
Latm:	36		
Lats:	30		
Lond:	95		
Lonm:	19		
Lons:	55		
Latdd:	29.608333		
Londd:	-95.331944		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	4		
Yeardrill:	2008		
Totaldepth:	300		
Depthfirst:	280		
Newregulat:	2		
Endmo:	12		
Alloc:	.5		
Altwater:	0		
Demand:	.5		
Begindate:	01/01/13	Enddate:	12/31/17
Agg2013:	1		
Pump2013:	1450		
Wellpump20:	1450		
Agg2012:	1		
Pump2012:	40000		
Wellpump 1:	40000		
Agg2011:	1		
Pump2011:	36000		
Wellpump 2:	36000		

Agg2010:	1
Pump2010:	1990
Wellpump 3:	1990
Agg2009:	1
Pump2009:	675
Wellpump 4:	675
Agg2008:	1
Pump2008:	1853
Wellpump 5:	1853
Agg2007:	0
Pump2007:	0
Wellpump 6:	0
Agg2006:	0
Pump2006:	0
Wellpump 7:	0
Agg2005:	0
Pump2005:	0
Wellpump 8:	0
Agg2004:	0
Pump2004:	0
Wellpump 9:	0
Agg2003:	0
Pump2003:	0
Wellpum 10:	0
Agg2002:	0
Pump2002:	0
Wellpum 11:	0
Agg2001:	0
Pump2001:	0
Wellpum 12:	0
Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0

Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0
Pump1978:	0
Wellpum 25:	0
Agg1977:	0
Pump1977:	0
Wellpum 26:	0
Agg1976:	0
Pump1976:	0
Wellpum 27:	0

Inspector:	vachord	Inspected:	05-DEC-12
Site id:	TXGH40000007474		

21
WNW **TX WELLS** **TXWDB5000107892**
1/2 - 1 Mile
Higher

Fid:	107891	State well:	6530103
County nam:	Harris	Basin name:	San Jacinto-Brazos Rivers
Gma:	14	Rwpa:	H
Previous w:	Not Reported		
Lat dec:	29.605833		
Long dec:	-95.347777		
Coordsourc:	+/- 1 Second		
Owner 1:	J. Jackson	Owner 2:	Not Reported
Driller 1:	Almeda Water Well	Driller 2:	Service
Aquifer co:	112CHCT	Aquifer id:	Gulf Coast
Elev of ls:	55	Elev meth:	Interpolated From Topo Map
Date drill:	08131976	Welltype:	Withdrawal of Water
Well depth:	84	Depthsourc:	Driller's Log
Welluse:	Domestic		
Site id:	TXWDB5000107892		

Casing Info:		Group number:	1
C s o indicator:	C	Diameter csg scn:	2
Top depth:	0	Bottom depth:	76

Casing Info:		Group number:	2
C s o indicator:	S	Diameter csg scn:	2
Top depth:	76	Bottom depth:	82

Infrequent Const:			
Date:	2/26/1979		
Sample number:	1	Storet code:	71875
Flag:	Not Reported	Const val:	0.03
Plus minus:	Not Reported		

Water Level Info:		Pn well visit mark:	P
Depth from lsd:	-19	Mm date:	8
Dd date:	13	Yy date:	1976
Measurement number:	01	Measuring agency:	07
Method of meas:	7	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
Water Quality Info:		Mm date:	2
Dd date:	26	Yydate:	1979
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:	01	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	18	Q00910 flag:	Not Reported
Q00910 calcium mgl:	157	Q00920 flag:	Not Reported
Q00920 magnes mgl:	49	Q00929 flag:	Not Reported
Q00929 sodium mgl:	173	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	352.68	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	44	Q00940 flag:	Not Reported
Q00940 chloride mg:	459	Q00951 flag:	Not Reported
Q00951 fluoride mg:	.5	Q71850 flag:	<
Q71850 nitrate mgl:	.1	Q00403 flag:	Not Reported
Q00403 ph:	7.5	Q70300 tds:	1074
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	289
Q00900 tot hardnes:	593	Q00932 percent na:	38
Q00931 sar:	3.09	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	2268
Date entered:	Not Reported	User name:	pnordstr
Bu value:	Not Reported		

H22
North
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000007873**

Fid:	7872		
Permittee:	Turtle Creek Interest, LLC		
Wellowner:	Turtle Creek Interest, LLC		
Permitaggl:	11709		
Wellno:	11709		
Attn:	Drew Lowe		
Correspond:	Not Reported	Address:	4904 Fuqua
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77048
Usage:	D	County:	H
Latd:	29		
Latm:	36		
Lats:	43		
Lond:	95		
Lonm:	20		
Lons:	16		
Latdd:	29.611944		
Londd:	-95.337777		
Statequadr:	30		
Stateblock:	65		

Stateni:	1		
Diameter:	4		
Yeardrill:	2011		
Totaldepth:	400		
Depthfirst:	380		
Newregulat:	2		
Endmo:	12		
Alloc:	1		
Altwater:	0		
Demand:	1		
Begindate:	01/01/15	Enddate:	12/31/15
Agg2013:	1		
Pump2013:	280000		
Wellpump20:	280000		
Agg2012:	1		
Pump2012:	283000		
Wellpump 1:	283000		
Agg2011:	0		
Pump2011:	0		
Wellpump 2:	0		
Agg2010:	0		
Pump2010:	0		
Wellpump 3:	0		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		
Pump2007:	0		
Wellpump 6:	0		
Agg2006:	0		
Pump2006:	0		
Wellpump 7:	0		
Agg2005:	0		
Pump2005:	0		
Wellpump 8:	0		
Agg2004:	0		
Pump2004:	0		
Wellpump 9:	0		
Agg2003:	0		
Pump2003:	0		
Wellpum 10:	0		
Agg2002:	0		
Pump2002:	0		
Wellpum 11:	0		
Agg2001:	0		
Pump2001:	0		
Wellpum 12:	0		
Agg2000:	0		
Pump2000:	0		
Wellpum 13:	0		
Agg1999:	0		
Pump1999:	0		
Wellpump19:	0		
Agg1998:	0		
Pump1998:	0		
Wellpum 14:	0		
Agg1997:	0		

Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0
Pump1978:	0
Wellpum 25:	0
Agg1977:	0
Pump1977:	0
Wellpum 26:	0
Agg1976:	0
Pump1976:	0
Wellpum 27:	0
Inspector:	EGonzalez
Inspected:	18-JUN-14
Site id:	TXGH40000007873

H23
North
1/2 - 1 Mile
Higher

TX WELLS **TXMON3000229873**

Dateentere:	15-OCT-10	Ownname:	Lighthouse Environmental
Ownstreet:	4904 Fuqua		
Owncity:	Houston	Ownstate:	TX
Ownzip:	77048	County:	Harris
Wellstreet:	4904 Fuqua		
Wellcity:	Houston	Wellzip:	77048
Own:	Not Reported		
Lat dec:	29.611944		
Long dec:	-95.337499		
Elev:	0		

Brandmodel:	Garmin		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	Twn:	1
Twd:	0	Twr:	0
Twrp:	0	Twrg:	0
Um:	0	Ue:	0
Ud:	0	Uin:	1
Uir:	0	Ug:	0
Uij:	0	Up:	0
Udw:	0	Ut:	0
Us:	0	Uf:	0
Pby:	0	Pbn:	0
Datestart:	04-OCT-10	Datecomp:	05-OCT-10
Dia1:	6.5	Dia1to:	332
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	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
Cemfrom1:	0	Cemto1:	315
Nosacks1:	18 bags Cement	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure
Cementby:	ODCI	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	1
Scsv:	0	Scp:	0
Sca:	0	Watlev:	170
Watlevdate:	Not Reported	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	252
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	60	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Reported
Stratdepth:	17	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	O’Day Drilling Company, Inc.
Drllicno:	4111		
Compstreet:	5923 CR 931	Compcity:	Rosharon
Compstate:	TX	Compzip:	77583
Drillernam:	Marshall Bannert	Traineenam:	Jesus Guiterrez
Tnum:	56774		
Comments:	HGCSD # 11709		

Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000229873		
Latitude:	29.611944		
Longitude:	-95.337499		

I24
NNW **TX WELLS** **TXGH40000006800**
1/2 - 1 Mile
Higher

Fid:	6799		
Permittee:	Garner, Lloyd		
Wellowner:	Garner, Lloyd		
Permitaggl:	9769		
Wellno:	9769		
Attn:	Not Reported		
Correspond:	Not Reported	Address:	4700 Fuqua
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77048
Usage:	O	County:	H
Latd:	29		
Latm:	36		
Lats:	43		
Lond:	95		
Lonm:	20		
Lons:	30		
Latdd:	29.611944		
Londd:	-95.341666		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	2		
Yeardrill:	Not Reported		
Totaldepth:	90		
Depthfirst:	80		
Newregulat:	2		
Endmo:	12		
Alloc:	0		
Altwater:	0		
Demand:	0		
Begindate:	12/31/13	Enddate:	12/31/13
Agg2013:	0		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	0		
Pump2011:	0		
Wellpump 2:	0		
Agg2010:	0		
Pump2010:	0		
Wellpump 3:	0		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		

Pump2007:	0
Wellpump 6:	0
Agg2006:	0
Pump2006:	0
Wellpump 7:	0
Agg2005:	1
Pump2005:	0
Wellpump 8:	0
Agg2004:	1
Pump2004:	0
Wellpump 9:	0
Agg2003:	0
Pump2003:	0
Wellpum 10:	0
Agg2002:	0
Pump2002:	0
Wellpum 11:	0
Agg2001:	0
Pump2001:	0
Wellpum 12:	0
Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0

Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	DJones	Inspected:	21-FEB-14
Site id:	TXGH40000006800		

G25
North
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000008645**

Fid:	8644		
Permittee:	Houston, Almer J.		
Wellowner:	Houston, Almer J.		
Permitaggl:	8957		
Wellno:	8957		
Attn:	Not Reported		
Correspond:	Not Reported	Address:	5838 Overdale St.
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77033
Usage:	O	County:	H
Latd:	29		
Latm:	36		
Lats:	44		
Lond:	95		
Lonm:	20		
Lons:	23		
Latdd:	29.612222		
Londd:	-95.339722		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	2		
Yeardrill:	2001		
Totaldepth:	100		
Depthfirst:	90		
Newregulat:	2		
Endmo:	12		
Alloc:	.5		
Altwater:	0		
Demand:	.5		
Begindate:	01/01/13	Enddate:	12/31/17
Agg2013:	1		
Pump2013:	7200		
Wellpump20:	7200		
Agg2012:	1		
Pump2012:	7200		
Wellpump 1:	7200		
Agg2011:	1		
Pump2011:	3600		
Wellpump 2:	3600		

Agg2010:	1
Pump2010:	7200
Wellpump 3:	7200
Agg2009:	1
Pump2009:	2400
Wellpump 4:	2400
Agg2008:	1
Pump2008:	380
Wellpump 5:	380
Agg2007:	1
Pump2007:	2400
Wellpump 6:	2400
Agg2006:	1
Pump2006:	3600
Wellpump 7:	3600
Agg2005:	1
Pump2005:	7200
Wellpump 8:	7200
Agg2004:	1
Pump2004:	7200
Wellpump 9:	7200
Agg2003:	0
Pump2003:	0
Wellpum 10:	0
Agg2002:	0
Pump2002:	0
Wellpum 11:	0
Agg2001:	0
Pump2001:	0
Wellpum 12:	0
Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0

Agg1990:	0		
Pump1990:	0		
Wellpum 22:	0		
Agg1989:	0		
Pump1989:	0		
Wellpum 23:	0		
Agg1979:	0		
Pump1979:	0		
Wellpum 24:	0		
Agg1978:	0		
Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	bpadilla	Inspected:	05-DEC-12
Site id:	TXGH40000008645		

I26
NNW **TX WELLS** **TXMON3000172332**
1/2 - 1 Mile
Higher

Dateentere:	15-APR-09	Ownname:	Edward Shira
Ownstreet:	6325 Fuqua		
Owncity:	Houston	Ownstate:	TX
Ownzip:	77048	County:	Harris
Wellstreet:	6325 Fuqua		
Wellcity:	Houston	Wellzip:	77048
Own:	Well Log 30757		
Lat dec:	29.612222		
Long dec:	-95.341666		
Elev:	0		
Brandmodel:	Map		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	03-AUG-04	Datecomp:	06-AUG-04
Dia1:	6.5	Dia1to:	352
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	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
Cemfrom1:	331	Cemto1:	0
Nosacks1:	18	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure
Cementby:	ODCI	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	0
Scsv:	1	Scp:	0
Sca:	0	Watlev:	170
Watlevdate:	06-AUG-04	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	252
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	70	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Reported
Stratdepth:	19	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	O'Day Drilling Co., Inc.
Drllicno:	4883		
Compstreet:	2357 Garden Road	Compcity:	Pearland
Compstate:	TX	Compzip:	77581
Drillernam:	Angel Bautista	Traineenam:	Miguel Arguello
Tnum:	Not Reported		
Comments:	$mew		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000172332		
Latitude:	29.612222		
Longitude:	-95.341666		

J27
NNE
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000009107**

Fid:	9106		
Permittee:	O. P. Enterprise		
Wellowner:	O. P. Enterprise		
Permitaggl:	11234		
Wellno:	11234		
Attn:	Omar Corallo		
Correspond:	Not Reported	Address:	5022 Fuqua
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77048
Usage:	D	County:	H

Latd:	29		
Latm:	36		
Lats:	42		
Lond:	95		
Lonm:	20		
Lons:	6		
Latdd:	29.611666		
Londd:	-95.335		
Statequadr:	30		
Stateblock:	65		
Stateni:	2		
Diameter:	4		
Yeardrill:	2009		
Totaldepth:	400		
Depthfirst:	380		
Newregulat:	2		
Endmo:	12		
Alloc:	10		
Altwater:	0		
Demand:	10		
Begindate:	01/01/14	Enddate:	12/31/18
Agg2013:	1		
Pump2013:	96740		
Wellpump20:	96740		
Agg2012:	1		
Pump2012:	12195		
Wellpump 1:	12195		
Agg2011:	1		
Pump2011:	8640		
Wellpump 2:	8640		
Agg2010:	1		
Pump2010:	29631		
Wellpump 3:	29631		
Agg2009:	1		
Pump2009:	550		
Wellpump 4:	550		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		
Pump2007:	0		
Wellpump 6:	0		
Agg2006:	0		
Pump2006:	0		
Wellpump 7:	0		
Agg2005:	0		
Pump2005:	0		
Wellpump 8:	0		
Agg2004:	0		
Pump2004:	0		
Wellpump 9:	0		
Agg2003:	0		
Pump2003:	0		
Wellpum 10:	0		
Agg2002:	0		
Pump2002:	0		
Wellpum 11:	0		
Agg2001:	0		
Pump2001:	0		
Wellpum 12:	0		

Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0
Pump1978:	0
Wellpum 25:	0
Agg1977:	0
Pump1977:	0
Wellpum 26:	0
Agg1976:	0
Pump1976:	0
Wellpum 27:	0
Inspector:	DJones
Inspected:	15-JAN-14
Site id:	TXGH40000009107

28
SE
1/2 - 1 Mile
Lower

TX WELLS **TXMON3000297992**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dateentere:	18-OCT-12	Ownname:	Ken Truckner
Ownstreet:	5221 Sheldon Rd.		
Owncity:	Brookside	Ownstate:	TX
Ownzip:	77581	County:	Brazoria
Wellstreet:	5221 Sheldon Rd.		
Wellcity:	Brookside	Wellzip:	77581
Own:	Well Log: 03972		
Lat dec:	29.597499		
Long dec:	-95.333333		
Elev:	0		
Brandmodel:	Not Given		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	23-AUG-12	Datecomp:	25-AUG-12
Dia1:	7	Dia1to:	340
Dia2:	4.5	Dia2from:	340
Dia2to:	361	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	1	Bcot:	Two String/K-Packer
Gpf:	Not Reported	Gpt:	Not Reported
Cemfrom1:	0	Cemto1:	340
Nosacks1:	52	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure-Haliburton
Cementby:	AWWS	Ds:	50+
Dpl:	Not Reported	Dsv:	Owner
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	1	Watlev:	156
Watlevdate:	25-JUL-12	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	231
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	50	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Tested
Stratdepth:	361	Chemanaly:	0
Chemanaln:	1	Undnatural:	0

Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	Almeda Water Well Service
Drllicno:	2843		
Compstreet:	PO Box 266	Compcity:	Manvel
Compstate:	TX	Compzip:	77578
Drillernam:	Mike Pyburn	Traineenam:	Not Reported
Tnum:	Not Reported		
Comments:	^EAD		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000297992		
Latitude:	29.597499		
Longitude:	-95.333333		

J29
NNE
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000008885**

Fid:	8884		
Permittee:	Do, Dave		
Wellowner:	Do, Dave		
Permitaggl:	10931		
Wellno:	10931		
Attn:	Not Reported		
Correspond:	Not Reported	Address:	7314 San Lucas
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77083
Usage:	I	County:	H
Latd:	29		
Latm:	36		
Lats:	44		
Lond:	95		
Lonm:	20		
Lons:	9		
Latdd:	29.612222		
Londd:	-95.335833		
Statequadr:	30		
Stateblock:	65		
Stateni:	2		
Diameter:	2		
Yeardrill:	2008		
Totaldepth:	10		
Depthfirst:	1		
Newregulat:	2		
Endmo:	12		
Alloc:	.5		
Altwater:	0		
Demand:	.5		
Begindate:	01/01/15	Enddate:	12/31/15
Agg2013:	1		
Pump2013:	31789		
Wellpump20:	31789		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	1		
Pump2011:	0		
Wellpump 2:	0		

Agg2010:	1
Pump2010:	0
Wellpump 3:	0
Agg2009:	1
Pump2009:	0
Wellpump 4:	0
Agg2008:	1
Pump2008:	0
Wellpump 5:	0
Agg2007:	0
Pump2007:	0
Wellpump 6:	0
Agg2006:	0
Pump2006:	0
Wellpump 7:	0
Agg2005:	0
Pump2005:	0
Wellpump 8:	0
Agg2004:	0
Pump2004:	0
Wellpump 9:	0
Agg2003:	0
Pump2003:	0
Wellpum 10:	0
Agg2002:	0
Pump2002:	0
Wellpum 11:	0
Agg2001:	0
Pump2001:	0
Wellpum 12:	0
Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0

Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0
Pump1978:	0
Wellpum 25:	0
Agg1977:	0
Pump1977:	0
Wellpum 26:	0
Agg1976:	0
Pump1976:	0
Wellpum 27:	0

Inspector:	EGonzalez	Inspected:	28-MAY-14
Site id:	TXGH40000008885		

K30
WNW
1/2 - 1 Mile
Higher

TX WELLS **TXWDB5000107890**

Fid:	107889	State well:	6530101
County nam:	Harris	Basin name:	San Jacinto-Brazos Rivers
Gma:	14	Rwpa:	H
Previous w:	Not Reported		
Lat dec:	29.606666		
Long dec:	-95.348888		
Coordsourc:	+/- 1 Second		
Owner 1:	David Marshall	Owner 2:	Not Reported
Driller 1:	B. T. Davis Water	Driller 2:	Well Drilling Co.
Aquifer co:	112CHCT	Aquifer id:	Gulf Coast
Elev of ls:	55	Elev meth:	Interpolated From Topo Map
Date drill:	02001979	Welltype:	Withdrawal of Water
Well depth:	80	Depthsourc:	Owner
Welluse:	Domestic		
Site id:	TXWDB5000107890		

Infrequent Const:			
Date:	2/26/1979		
Sample number:	1	Storet code:	00605
Flag:	Not Reported	Const val:	1.2
Plus minus:	Not Reported		

Infrequent Const:			
Date:	2/26/1979		
Sample number:	1	Storet code:	00610
Flag:	Not Reported	Const val:	0.55
Plus minus:	Not Reported		

Infrequent Const:			
Date:	2/26/1979		
Sample number:	1	Storet code:	00615
Flag:	<	Const val:	.01
Plus minus:	Not Reported		

Infrequent Const:			
Date:	2/26/1979		
Sample number:	1	Storet code:	00620
Flag:	<	Const val:	.01
Plus minus:	Not Reported		

Infrequent Const:			
Date:	2/26/1979		
Sample number:	1	Storet code:	71875
Flag:	Not Reported	Const val:	0.17
Plus minus:	Not Reported		

Water Quality Info:		Mm date:	2
Dd date:	26	Yydate:	1979
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:	01	Lab code:	01
Bu wqanalysis:	B	Q00955 flag:	Not Reported
Q00955 silica mgl:	18	Q00910 flag:	Not Reported
Q00910 calcium mgl:	130	Q00920 flag:	Not Reported
Q00920 magnes mgl:	38	Q00929 flag:	Not Reported
Q00929 sodium mgl:	142	Q00937 flag:	Not Reported
Q00937 potass mgl:	Not Reported	Q01080 flag:	Not Reported
Q01080 strontium:	Not Reported	Q00445 carb mgl:	0
Q00440 bicarb mgl:	390.51	Q00945 flag:	Not Reported
Q00945 sulfate mgl:	20	Q00940 flag:	Not Reported
Q00940 chloride mg:	326	Q00951 flag:	Not Reported
Q00951 fluoride mg:	.5	Q71850 flag:	<
Q71850 nitrate mgl:	.1	Q00403 flag:	Not Reported
Q00403 ph:	7.7	Q70300 tds:	866
Q00415 flag:	Not Reported	Q00415 phen alk:	0
Q00410 flag:	Not Reported	Q00410 total alk:	320
Q00900 tot hardnes:	480	Q00932 percent na:	39
Q00931 sar:	2.82	Q71860 rsc:	0
Q00095 flag:	Not Reported	Q00095 spec cond:	1804
Date entered:	Not Reported	User name:	pnordstr
Bu value:	Not Reported		

K31
WNW
1/2 - 1 Mile
Higher

TX WELLS **TXWDB5000107891**

Fid:	107890	State well:	6530102
County nam:	Harris	Basin name:	San Jacinto-Brazos Rivers
Gma:	14	Rwpa:	H
Previous w:	Not Reported		
Lat dec:	29.606666		
Long dec:	-95.348888		
Coordsourc:	+/- 1 Second		
Owner 1:	David Marshall	Owner 2:	Not Reported
Driller 1:	B. T. Davis Water	Driller 2:	Well Drilling Co.
Aquifer co:	112CHCT	Aquifer id:	Gulf Coast

Elev of ls:	55	Elev meth:	Interpolated From Topo Map
Date drill:	04301978	Welltype:	Withdrawal of Water
Well depth:	85	Depthsourc:	Driller's Log
Welluse:	Unused		
Site id:	TXWDB5000107891		
Casing Info:		Group number:	1
C s o indicator:	C	Diameter csg scn:	2
Top depth:	0	Bottom depth:	75
Casing Info:		Group number:	2
C s o indicator:	S	Diameter csg scn:	2
Top depth:	75	Bottom depth:	85
Water Level Info:		Pn well visit mark:	P
Depth from lsd:	-22.95	Mm date:	2
Dd date:	26	Yy date:	1979
Measurement number:	01	Measuring agency:	01
Method of meas:	1	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported
Water Level Info:		Pn well visit mark:	P
Depth from lsd:	-15	Mm date:	4
Dd date:	30	Yy date:	1978
Measurement number:	01	Measuring agency:	07
Method of meas:	7	Remark:	Not Reported
Date entered:	Not Reported	User name:	Not Reported

L32
SW
1/2 - 1 Mile
Higher

TX WELLS **TXEQ40000008354**

Fid:	8353	Pws id:	1013291
Water sour:	G1013291A	Fips count:	201
Quadrangle:	2995-421		
Latitude:	293555.4375		
Longitude:	952049.5625		
Location a:	Not Reported	Agency:	TCEQ
Location m:	GPS-S	Horizontal:	83
Spatial re:	T	Horizont 1:	I
Horizont 2:	S	Elevation:	52
Elevation :	D	Vertical d:	29
Location d:	14-JUN-05	Elevation1:	24-APR-08
Elevatio 1:	TCEQ	Elevatio 2:	G
Latdd:	29.5987300873		
Longdd:	95.3470993042		
Gps certif:	01112903	Need bette:	No
Last chang:	14-JUN-05	Initials:	DPT
Remarks:	Not Reported		
Site id:	TXEQ40000008354		
Groundwater Info		PWS Id:	1013291
Well depth:	360	Depth agency:	TDLR
Depth source:	D	Aquifer:	112CHCT
Aquifer id:	31		
Aquifer name:	Chicot		
Aquifer method:	S	Aquifer type:	1
Drill date:	20040301	Last change:	01-MAR-06
Initials:	JSA		
Remarks:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pws id:	1013291	Water source:	G1013291A
Fips county code:	201	Quadrangle number:	2995-421
Latitude:	293555.4375		
Longitude:	952049.5625		
Location accuracy:	Not Reported	Agency:	TCEQ
Location method:	GPS-S	Horizontal datum:	83
Spatial reference code:	T	Horizontal accuracy:	I
Horizontal reference:	S	Elevation:	52
Elevation method:	D	Vertical datum:	29
Location date:	14-JUN-05	Elevation date:	24-APR-08
Elevation agency:	TCEQ	Elevation accuracy:	G
Latdd:	29.5987300872803		
Longdd:	95.3470993041992		
Gps certification number:	01112903	Need better location:	No
Last change:	14-JUN-05	Initials:	DPT
Remarks:	Not Reported		

Construction:

Top depth:	0.	Bottom depth:	320.
Depth positive:	Not Reported	Diameter:	8.75
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:	JSA	Last change:	01-MAR-06

Construction:

Top depth:	0.	Bottom depth:	330.
Depth positive:	Not Reported	Diameter:	5.
Opening type:	Not Reported	Casing material:	P
Opening material:	Not Reported	Opening length:	Not Reported
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	JSA	Last change:	01-MAR-06

Construction:

Top depth:	320.	Bottom depth:	330.
Depth positive:	Not Reported	Diameter:	2.5
Opening type:	Not Reported	Casing material:	P
Opening material:	Not Reported	Opening length:	Not Reported
Opening method:	Not Reported	Packer material:	Not Reported
Initials:	JSA	Last change:	01-MAR-06

Construction:

Top depth:	330.	Bottom depth:	360.
Depth positive:	Not Reported	Diameter:	2.5
Opening type:	S	Casing material:	Not Reported
Opening material:	P	Opening length:	30.
Opening method:	8	Packer material:	Not Reported
Initials:	JSA	Last change:	01-MAR-06

Pws id:	1013291	Water source:	G1013291A
Record number:	1	Top depth:	0.
Bottom depth:	30.	Thickness:	30.
Geologic description:	CLAY		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	JSA
Last change:	01-MAR-06		
Remarks:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pws id:	1013291	Water source:	G1013291A
Record number:	2	Top depth:	30.
Bottom depth:	110.	Thickness:	80.
Geologic description:	SAND		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	JSA
Last change:	01-MAR-06		
Remarks:	Not Reported		

Pws id:	1013291	Water source:	G1013291A
Record number:	3	Top depth:	110.
Bottom depth:	140.	Thickness:	30.
Geologic description:	CLAY		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	JSA
Last change:	01-MAR-06		
Remarks:	Not Reported		

Pws id:	1013291	Water source:	G1013291A
Record number:	4	Top depth:	140.
Bottom depth:	155.	Thickness:	15.
Geologic description:	SAND		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	JSA
Last change:	01-MAR-06		
Remarks:	Not Reported		

Pws id:	1013291	Water source:	G1013291A
Record number:	5	Top depth:	155.
Bottom depth:	186.	Thickness:	31.
Geologic description:	CLAY		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	JSA
Last change:	01-MAR-06		
Remarks:	Not Reported		

Pws id:	1013291	Water source:	G1013291A
Record number:	6	Top depth:	186.
Bottom depth:	190.	Thickness:	4.
Geologic description:	SAND		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	JSA
Last change:	01-MAR-06		
Remarks:	Not Reported		

Pws id:	1013291	Water source:	G1013291A
Record number:	7	Top depth:	190.
Bottom depth:	245.	Thickness:	55.
Geologic description:	CLAY		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	JSA
Last change:	01-MAR-06		
Remarks:	Not Reported		

Pws id:	1013291	Water source:	G1013291A
Record number:	8	Top depth:	245.
Bottom depth:	250.	Thickness:	5.
Geologic description:	SAND		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	JSA
Last change:	01-MAR-06		
Remarks:	Not Reported		

Pws id:	1013291	Water source:	G1013291A
Record number:	9	Top depth:	250.
Bottom depth:	290.	Thickness:	40.
Geologic description:	CLAY		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	JSA
Last change:	01-MAR-06		
Remarks:	Not Reported		

Pws id:	1013291	Water source:	G1013291A
Record number:	10	Top depth:	290.
Bottom depth:	360.	Thickness:	70.
Geologic description:	SAND		
Geologic correction:	Not Reported		
Source geologic data:	7	Initials:	JSA
Last change:	01-MAR-06		
Remarks:	Not Reported		

33
ENE
1/2 - 1 Mile
Higher

TX WELLS **TXMON3000140097**

Dateentere:	20-MAY-08	Ownname:	CEPAK HOLDINGS, CP
Ownstreet:	P.O.BOX 450270		
Owncity:	HOUSTON	Ownstate:	TX
Ownzip:	77245	County:	Harris
Wellstreet:	5285 SCHURMIER		
Wellcity:	HOUSTON	Wellzip:	Not Reported
Own:	Not Reported		
Lat dec:	29.607777		
Long dec:	-95.329999		
Elev:	0		
Brandmodel:	STREET ATLAS		
Gn:	65302		
Gn1:	65	Gn75:	30
Gn25:	2	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	31-MAR-08	Datecomp:	31-MAR-08
Dia1:	6.5	Dia1to:	368
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	Dmbored:	0

Dmairham:	0	Dmcabletoo:	0
Dmjetted:	1	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
Cemfrom1:	0	Cemto1:	353
Nosacks1:	20 Cement	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure
Cementby:	ODCI	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	0
Scsv:	1	Scp:	0
Sca:	0	Watlev:	150
Watlevdate:	Not Reported	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	231
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	35	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Reported
Stratdepth:	15	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	O'Day Drilling Company, Inc
Drllicno:	4883		
Compstreet:	5923 CR 931	Compcity:	Rosharon
Compstate:	TX	Compzip:	77583
Drillernam:	Angel Bautista	Traineenam:	Arturo Barrera
Tnum:	56891		
Comments:	Not Reported		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000140097		
Latitude:	29.607777		
Longitude:	-95.329999		

K34
WNW
1/2 - 1 Mile
Higher

TX WELLS **TXPLU3000001780**

Plugtrackn:	1908		
Dateentere:	29-JUN-01	Ownname:	LYNN WOLFGRAM
Ownstreet:	4306 SCHURMIER	Owncity:	HOUSTON
Ownstate:	TX	Ownzip:	Not Reported
Wellstreet:	SAME		
Wellcity:	Not Reported	Wellzip:	Not Reported
County:	Harris		
Latitude:	293628		
Lat dec:	29.607777		
Longitude:	952055		

Long dec:	-95.34861		
Brmod:	MAP		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	Ownwellno:	Not Reported
Typewater:	1	Typemon:	0
Typeinj:	0	Typedw:	0
Histdrille:	Not Reported	Histdrllic:	Not Reported
Histdatedr:	Not Reported	Histtracki:	Not Reported
Histdiamin:	2	Histdepth:	87
Plugdate:	17-APR-01		
Plugmethco:	ENTERED BY WLS		
Plugopname:	MIKE PYBURN		
Plugoplic:	2843		
Plugmeth1:	0	Plugmeth2:	0
Plugmeth3:	1	Plugmeth4:	0
Plugmethot:	0	Plugvar:	Not Reported
Cdiam1:	2	Cfrom1:	0
Cto1:	87	Cdiam2:	Not Reported
Cfrom2:	Not Reported	Cto2:	Not Reported
Cdiam3:	Not Reported	Cfrom3:	Not Reported
Cto3:	Not Reported	Cbfrom1:	0
Cbto1:	87	Cbsacks1:	4
Cbfrom2:	Not Reported	Cbto2:	Not Reported
Cbsacks2:	Not Reported	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:	ALMEDA WATER WELL SERVICE	Compstreet:	19322 HWY 6
Compcity:	MANVEL	Compstate:	TX
Compzip:	77578	Nameassig:	MIKE PYBURN
Traineenam:	Not Reported	Tnum:	Not Reported
Deleted:	0	Site id:	TXPLU3000001780

L35
SW
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000001329**

Fid:	1328		
Permittee:	Cap Rock Communications		
Wellowner:	Cap Rock Communications		
Permitaggl:	9529		
Wellno:	9529		
Attn:	Travis Miller		
Correspond:	Not Reported	Address:	4400 S. Sam.Houston Parkway E.
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77048
Usage:	D	County:	H
Latd:	29		
Latm:	35		
Lats:	55		
Lond:	95		
Lonm:	20		
Lons:	50		
Latdd:	29.598611		
Londd:	-95.347222		
Statequadr:	30		
Stateblock:	65		

Stateni:	1		
Diameter:	5		
Yeardrill:	2003		
Totaldepth:	490		
Depthfirst:	500		
Newregulat:	2		
Endmo:	12		
Alloc:	0		
Altwater:	0		
Demand:	0		
Begindate:	12/31/12	Enddate:	12/31/12
Agg2013:	0		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	1		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	1		
Pump2011:	751000		
Wellpump 2:	751000		
Agg2010:	1		
Pump2010:	490000		
Wellpump 3:	490000		
Agg2009:	1		
Pump2009:	364000		
Wellpump 4:	364000		
Agg2008:	1		
Pump2008:	1130000		
Wellpump 5:	1130000		
Agg2007:	1		
Pump2007:	1465000		
Wellpump 6:	1465000		
Agg2006:	1		
Pump2006:	1798000		
Wellpump 7:	1798000		
Agg2005:	1		
Pump2005:	1915000		
Wellpump 8:	1915000		
Agg2004:	1		
Pump2004:	2531500		
Wellpump 9:	2531500		
Agg2003:	1		
Pump2003:	0		
Wellpum 10:	0		
Agg2002:	0		
Pump2002:	0		
Wellpum 11:	0		
Agg2001:	0		
Pump2001:	0		
Wellpum 12:	0		
Agg2000:	0		
Pump2000:	0		
Wellpum 13:	0		
Agg1999:	0		
Pump1999:	0		
Wellpump19:	0		
Agg1998:	0		
Pump1998:	0		
Wellpum 14:	0		
Agg1997:	0		

Pump1997:	0		
Wellpum 15:	0		
Agg1996:	0		
Pump1996:	0		
Wellpum 16:	0		
Agg1995:	0		
Pump1995:	0		
Wellpum 17:	0		
Agg1994:	0		
Pump1994:	0		
Wellpum 18:	0		
Agg1993:	0		
Pump1993:	0		
Wellpum 19:	0		
Agg1992:	0		
Pump1992:	0		
Wellpum 20:	0		
Agg1991:	0		
Pump1991:	0		
Wellpum 21:	0		
Agg1990:	0		
Pump1990:	0		
Wellpum 22:	0		
Agg1989:	0		
Pump1989:	0		
Wellpum 23:	0		
Agg1979:	0		
Pump1979:	0		
Wellpum 24:	0		
Agg1978:	0		
Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	bpadilla	Inspected:	14-DEC-12
Site id:	TXGH40000001329		

L36
SW
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000008545**

Fid:	8544		
Permittee:	Griggs Enterprises		
Wellowner:	Griggs Enterprises		
Permitaggl:	10743		
Wellno:	10743		
Attn:	Robert Griggs		
Correspond:	Not Reported	Address:	9998 S. Main
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77025
Usage:	D	County:	H

Latd:	29		
Latm:	35		
Lats:	55		
Lond:	95		
Lonm:	20		
Lons:	50		
Latdd:	29.598611		
Londd:	-95.347222		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	5		
Yeardrill:	Not Reported		
Totaldepth:	350		
Depthfirst:	330		
Newregulat:	2		
Endmo:	1		
Alloc:	0		
Altwater:	0		
Demand:	0		
Begindate:	01/01/09	Enddate:	01/01/09
Agg2013:	0		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	0		
Pump2011:	0		
Wellpump 2:	0		
Agg2010:	0		
Pump2010:	0		
Wellpump 3:	0		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		
Pump2007:	0		
Wellpump 6:	0		
Agg2006:	0		
Pump2006:	0		
Wellpump 7:	0		
Agg2005:	0		
Pump2005:	0		
Wellpump 8:	0		
Agg2004:	0		
Pump2004:	0		
Wellpump 9:	0		
Agg2003:	0		
Pump2003:	0		
Wellpum 10:	0		
Agg2002:	0		
Pump2002:	0		
Wellpum 11:	0		
Agg2001:	0		
Pump2001:	0		
Wellpum 12:	0		

Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0
Pump1978:	0
Wellpum 25:	0
Agg1977:	0
Pump1977:	0
Wellpum 26:	0
Agg1976:	0
Pump1976:	0
Wellpum 27:	0
Inspector:	bpadilla
Inspected:	12-FEB-09
Site id:	TXGH40000008545

37
NW
1/2 - 1 Mile
Higher

TX WELLS **TXPLU3000089894**

Plugtrackn:	91302		
Dateentere:	03-DEC-13	Ownname:	Mary F. McGuire
Ownstreet:	2429 Bissonnet St. Apt. 124	Owncity:	Houston
Ownstate:	TX	Ownzip:	77005
Wellstreet:	4522 Fuqua		
Wellcity:	Houston	Wellzip:	77048
County:	Harris		
Latitude:	293640		
Lat dec:	29.611111		
Longitude:	952046		
Long dec:	-95.34611		
Brmod:	Not Given		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	Ownwellno:	Not Reported
Typewater:	1	Typemon:	0
Typeinj:	0	Typedw:	0
Histdrille:	Unknown	Histdrllic:	Not Reported
Histdatedr:	Not Reported	Histtracki:	Not Reported
Histdiamin:	2	Histdepth:	30’
Plugdate:	22-JUL-13		
Plugmethco:	^EAD		
Plugopname:	Troy Bussell		
Plugoplic:	4237		
Plugmeth1:	1	Plugmeth2:	0
Plugmeth3:	0	Plugmeth4:	0
Plugmethot:	0	Plugvar:	Not Reported
Cdiam1:	2	Cfrom1:	30
Cto1:	0	Cdiam2:	Not Reported
Cfrom2:	Not Reported	Cto2:	Not Reported
Cdiam3:	Not Reported	Cfrom3:	Not Reported
Cto3:	Not Reported	Cbfrom1:	30
Cbto1:	0	Cbsacks1:	2
Cbfrom2:	Not Reported	Cbto2:	Not Reported
Cbsacks2:	Not Reported	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:	Bussell & Sons LLC	Compstreet:	PO Box 874
Compcity:	Tomball	Compstate:	TX
Compzip:	77377	Nameassig:	Troy Bussell
Traineenam:	Not Reported	Tnum:	Not Reported
Deleted:	0	Site id:	TXPLU3000089894

38
NNW
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000008893**

Fid:	8892		
Permittee:	Montiev, Elizabeth Surface		
Wellowner:	Montiev, Elizabeth Surface		
Permitaggl:	11596		
Wellno:	11596		
Attn:	Not Reported		
Correspond:	Not Reported	Address:	211 Dover Ln.
Address2:	Not Reported	City:	Friendswood
State:	TX	Zip:	77546
Usage:	D	County:	H

Latd:	29		
Latm:	36		
Lats:	45		
Lond:	95		
Lonm:	20		
Lons:	38		
Latdd:	29.6125		
Londd:	-95.343888		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	2		
Yeardrill:	1969		
Totaldepth:	280		
Depthfirst:	200		
Newregulat:	2		
Endmo:	12		
Alloc:	.2		
Altwater:	0		
Demand:	.2		
Begindate:	01/01/15	Enddate:	12/31/15
Agg2013:	1		
Pump2013:	180000		
Wellpump20:	180000		
Agg2012:	1		
Pump2012:	180000		
Wellpump 1:	180000		
Agg2011:	1		
Pump2011:	180000		
Wellpump 2:	180000		
Agg2010:	1		
Pump2010:	3		
Wellpump 3:	3		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		
Pump2007:	0		
Wellpump 6:	0		
Agg2006:	0		
Pump2006:	0		
Wellpump 7:	0		
Agg2005:	0		
Pump2005:	0		
Wellpump 8:	0		
Agg2004:	0		
Pump2004:	0		
Wellpump 9:	0		
Agg2003:	0		
Pump2003:	0		
Wellpum 10:	0		
Agg2002:	0		
Pump2002:	0		
Wellpum 11:	0		
Agg2001:	0		
Pump2001:	0		
Wellpum 12:	0		

Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0
Pump1978:	0
Wellpum 25:	0
Agg1977:	0
Pump1977:	0
Wellpum 26:	0
Agg1976:	0
Pump1976:	0
Wellpum 27:	0
Inspector:	EGonzalez
Inspected:	18-JUN-14
Site id:	TXGH40000008893

M39
SE
1/2 - 1 Mile
Lower

TX WELLS **TXDOL2000015389**

Fid:	15388	Rec id:	15444
Edr site i:	144977	Owner:	Gutierrez, Juan
Ownerwell:	No Data		
Address:	6642 Brookside Pearland ,TX77581		
Grid:	65-30-2		
Waddress:	Shelton Rd & Lack Pearland ,TX77581		
Lat :	29° 35 51N	Wcounty:	Brazoria
Long :	095° 19 55 W	Elevation:	No Data
Gpsused:	Street Atlas	Typeofwork:	New Well
Propuse:	Domestic	Sdate:	Not Reported
Completedd:	Not Reported		
Diameter:	6.5 in From Surface To 355 ft		
Dmethod:	Mud Rotary		
Bcompletio:	Straight Wall		
Packedfrom:	Not Reported		
Packsize:	Not Reported		
Finterval:	From 0 ft to 340 ft with 20 Cement (#sacks and material)		
Sinterval:	No Data		
Tinterval:	No Data		
Usedmethod:	Pressure	Cementedby:	ODCI
Contaminat:	No Data	Propertyli:	No Data
Verrimetho:	No Data	Variance:	No Data
Surface:	Surface Sleeve Installed	Staticleve:	150 ft. below land surface on(No Data)
Flow:	No Data		
Packers:	BP Seal 325 Ft		
Cementinwe:	No Data	Typepump:	Submersible
Pumpbowl:	252 ft	Welltests:	Jetted
Yield:	35 GPM with (No Data) ft drawdown after (No Data) hours		
Watertype:	No Data	Stratadept:	14 ft.
Chemicalma:	No	Undesirabl:	No
Companynam:	ODay Drilling Company, Inc	Companyadd:	5923 CR 931
Ccitystate:	Rosharon , TX 77583	Licensenum:	4883
Wsignature:	Angel Bautista	Dsignature:	Arturo Barrera
Regnum:	56891		
Comments :	No Data		
Site id:	TXDOL2000015389		

M40
SE
1/2 - 1 Mile
Lower

TX WELLS **TXMON3000142827**

Dateentere:	24-JUN-08	Ownname:	Gutierrez, Juan
Ownstreet:	6642 Brookside		
Owncity:	Pearland	Ownstate:	TX
Ownzip:	77581	County:	Brazoria
Wellstreet:	Shelton Rd & Lack		
Wellcity:	Pearland	Wellzip:	77581
Own:	Not Reported		
Lat dec:	29.597499		
Long dec:	-95.331943		
Elev:	0		
Brandmodel:	Street Atlas		
Gn:	65302		
Gn1:	65	Gn75:	30
Gn25:	2	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	19-JUN-08	Datecomp:	21-JUN-08
Dia1:	6.5	Dia1to:	355
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	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
Cemfrom1:	0	Cemto1:	340
Nosacks1:	20 Cement	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure
Cementby:	ODCI	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	0
Scsv:	1	Scp:	0
Sca:	0	Watlev:	150
Watlevdate:	Not Reported	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	252
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	35	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Reported
Stratdepth:	14	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	O'Day Drilling Company, Inc
Drllicno:	4883		
Compstreet:	5923 CR 931	Compcity:	Rosharon
Compstate:	TX	Compzip:	77583
Drillernam:	Angel Bautista	Traineenam:	Arturo Barrera
Tnum:	56891		
Comments:	Not Reported		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000142827		
Latitude:	29.597499		
Longitude:	-95.331943		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

41
North
1/2 - 1 Mile
Higher | **TX WELLS** | **TXMON3000198598**

Dateentere:	09-DEC-09	Ownname:	Bill Schoff
Ownstreet:	5025 Schurmier		
Owncity:	Houston	Ownstate:	TX
Ownzip:	Not Reported	County:	Harris
Wellstreet:	5025 Schurmier		
Wellcity:	Houston	Wellzip:	Not Reported
Own:	Well Log 03036		
Lat dec:	29.613611		
Long dec:	-95.33861		
Elev:	0		
Brandmodel:	Not Reported		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	02-FEB-06	Datecomp:	06-FEB-06
Dia1:	7	Dia1to:	349
Dia2:	4.5	Dia2from:	349
Dia2to:	360	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	1	Bcot:	Two String / K-Packer
Gpf:	Not Reported	Gpt:	Not Reported
Cemfrom1:	0	Cemto1:	349
Nosacks1:	60	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure - Halliburton
Cementby:	AWWS	Ds:	50+
Dpl:	Not Reported	Dsv:	Owner
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	1	Watlev:	160
Watlevdate:	06-FEB-06	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0

Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	231
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	75	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	not tested
Stratdepth:	360	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	Almeda Water Well Service
Drllicno:	2843		
Compstreet:	P.O. Box 266	Compcity:	Manvel
Compstate:	TX	Compzip:	77578
Drillernam:	Mike Pybun	Traineenam:	Not Reported
Tnum:	Not Reported		
Comments:	$mew		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000198598		
Latitude:	29.613611		
Longitude:	-95.33861		

N42
SSE
1/2 - 1 Mile
Lower

TX WELLS **TXMON3000297993**

Dateentere:	18-OCT-12	Ownname:	Paul Charro
Ownstreet:	12727 Sumbrook		
Owncity:	Brookside	Ownstate:	TX
Ownzip:	77581	County:	Brazoria
Wellstreet:	12727 Sunbrook		
Wellcity:	Brookside	Wellzip:	77581
Own:	Well Log: 03971		
Lat dec:	29.594999		
Long dec:	-95.33611		
Elev:	0		
Brandmodel:	Not Given		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	02-JUL-12	Datecomp:	05-JUL-12
Dia1:	7	Dia1to:	350
Dia2:	4.5	Dia2from:	350
Dia2to:	370	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	Dmbored:	0

Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	1	Bcot:	Two String/K-Packer
Gpf:	Not Reported	Gpt:	Not Reported
Cemfrom1:	0	Cemto1:	350
Nosacks1:	56	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure-Haliburton
Cementby:	AWWS	Ds:	50+
Dpl:	Not Reported	Dsv:	Owner
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	1	Watlev:	164
Watlevdate:	05-JUL-12	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	231
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	60	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Tested
Stratdepth:	370	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	Almeda Water Well Service
Drllicno:	2843		
Compstreet:	PO Box 266	Compcity:	Manvel
Compstate:	TX	Compzip:	77578
Drillernam:	Mike Pyburn	Traineenam:	Not Reported
Tnum:	Not Reported		
Comments:	^EAD		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000297993		
Latitude:	29.594999		
Longitude:	-95.33611		

O43
NW
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000009702**

Fid:	9701		
Permittee:	Evans, Carl		
Wellowner:	Evans, Carl		
Permitaggl:	8967		
Wellno:	8967		
Attn:	Not Reported		
Correspond:	Not Reported	Address:	4422 Tavenor
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77047
Usage:	O	County:	H

Latd:	29		
Latm:	36		
Lats:	45		
Lond:	95		
Lonm:	20		
Lons:	45		
Latdd:	29.6125		
Londd:	-95.345833		
Statequadr:	30		
Stateblock:	65		
Stateni:	2		
Diameter:	2		
Yeardrill:	2002		
Totaldepth:	0		
Depthfirst:	0		
Newregulat:	2		
Endmo:	12		
Alloc:	.1		
Altwater:	0		
Demand:	.1		
Begindate:	01/01/15	Enddate:	12/31/15
Agg2013:	1		
Pump2013:	18000		
Wellpump20:	18000		
Agg2012:	1		
Pump2012:	12000		
Wellpump 1:	12000		
Agg2011:	1		
Pump2011:	100000		
Wellpump 2:	100000		
Agg2010:	1		
Pump2010:	18000		
Wellpump 3:	18000		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	1		
Pump2008:	18000		
Wellpump 5:	18000		
Agg2007:	1		
Pump2007:	16200		
Wellpump 6:	16200		
Agg2006:	1		
Pump2006:	12000		
Wellpump 7:	12000		
Agg2005:	1		
Pump2005:	12000		
Wellpump 8:	12000		
Agg2004:	0		
Pump2004:	0		
Wellpump 9:	0		
Agg2003:	1		
Pump2003:	24000		
Wellpum 10:	24000		
Agg2002:	1		
Pump2002:	22000		
Wellpum 11:	22000		
Agg2001:	0		
Pump2001:	0		
Wellpum 12:	0		

Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0
Pump1978:	0
Wellpum 25:	0
Agg1977:	0
Pump1977:	0
Wellpum 26:	0
Agg1976:	0
Pump1976:	0
Wellpum 27:	0
Inspector:	EGonzalez
Inspected:	28-MAY-14
Site id:	TXGH40000009702

N44
SSE
1/2 - 1 Mile
Lower

TX WELLS **TXDOL2000016956**

Fid:	16955	Rec id:	16956
Edr site i:	62456	Owner:	James Weibling
Ownerwell:	1		
Address:	3005 Pearland prkwy.		 Pearland ,TX77581
Grid:	65-30-1		
Waddress:	sunbrook drive		 brookside village ,TX77581
Lat :	29° 35 40N	Wcounty:	Brazoria
Long :	095° 20 07 W	Elevation:	No Data
Gpsused:	garmin / etrex	Typeofwork:	New Well
Propuse:	Domestic	Sdate:	Not Reported
Completedd:	Not Reported		
Diameter:	7 in From Surface To 340 ft		
Dmethod:	Mud Rotary		
Bcompletio:	Not Reported		
Packedfrom:	Not Reported		
Packsize:	Not Reported		
Finterval:	From 0 ft to 10 ft with 7 ready mix (#sacks and material)		
Sinterval:	From 10 ft to 340 ft with 30 portland (#sacks and material)		
Tinterval:	No Data		
Usedmethod:	haliburton method / grout	Cementedby:	A-1 Water Well Drilling service
Contaminat:	50 ft	Propertyli:	50 ft
Verrimetho:	measurement	Variance:	No Data
Surface:	Surface Sleeve Installed	Staticleve:	158 ft. below land surface on7/12/2005
Flow:	No Data		
Packers:	k-packer 2.5x4 333		
Cementinwe:	No Data	Typepump:	Submersible
Pumpbowl:	231 ft	Welltests:	Jetted
Yield:	65 GPM with (No Data) ft drawdown after (No Data) hours		
Watertype:	good	Stratadept:	19 ft.
Chemicalma:	No	Undesirabl:	No
Companynam:	A-1 Water Well Drilling service	Companyadd:	18927 Boren rd.
Ccitystate:	Alvin , TX 77511	Licensenum:	2934
Wsignature:	Melvin Wright	Dsignature:	No Data
Regnum:	No Data		
Comments :	No Data		
Site id:	TXDOL2000016956		

N45
SSE **TX WELLS** **TXMON3000061377**
1/2 - 1 Mile
Lower

Dateentere:	12-JUL-05	Ownname:	James Weibling
Ownstreet:	3005 Pearland prkwy.		
Owncity:	Pearland	Ownstate:	TX
Ownzip:	77581	County:	Brazoria
Wellstreet:	sunbrook drive		
Wellcity:	brookside village	Wellzip:	77581
Own:	1		
Lat dec:	29.594444		
Long dec:	-95.335277		
Elev:	0		
Brandmodel:	garmin / etrex		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	07-JUL-05	Datecomp:	12-JUL-05
Dia1:	7	Dia1to:	340
Dia2:	3.5	Dia2from:	340
Dia2to:	353	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	1	Bcot:	two string
Gpf:	Not Reported	Gpt:	Not Reported
Cemfrom1:	0	Cemto1:	10
Nosacks1:	7 ready mix	Cemfrom2:	10
Cemto2:	340	Nosacks2:	30 portland
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	haliburton method / grout
Cementby:	A-1 Water Well Drilling service	Ds:	50
Dpl:	50	Dsv:	measurement
Appvar:	Not Reported	Scs:	0
Scsv:	1	Scp:	0
Sca:	0	Watlev:	158
Watlevdate:	12-JUL-05	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	231
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	65	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	good
Stratdepth:	19	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	A-1 Water Well Drilling service
Drllicno:	2934		
Compstreet:	18927 Boren rd.	Compcity:	Alvin
Compstate:	TX	Compzip:	77511
Drillernam:	Melvin Wright	Traineenam:	Not Reported
Tnum:	Not Reported		
Comments:	Not Reported		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000061377		
Latitude:	29.594444		
Longitude:	-95.335277		

Map ID
Direction
Distance
Elevation

Database	EDR ID Number
TX WELLS	**TXMON3000201692**

P46
SSE
1/2 - 1 Mile
Lower

Dateentere:	12-JAN-10	Ownname:	Linda Almaguer
Ownstreet:	12517 Max Rd.		
Owncity:	Brookside	Ownstate:	TX
Ownzip:	77581	County:	Brazoria
Wellstreet:	12517 Max Rd.		
Wellcity:	Brookside	Wellzip:	77581
Own:	Well Log #03497		
Lat dec:	29.595277		
Long dec:	-95.333054		
Elev:	0		
Brandmodel:	Not Reported		
Gn:	65302		
Gn1:	65	Gn75:	30
Gn25:	2	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	08-SEP-08	Datecomp:	10-SEP-08
Dia1:	7.0	Dia1to:	345
Dia2:	4.5	Dia2from:	345
Dia2to:	360	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	1	Bcot:	Two String / K-Packer
Gpf:	Not Reported	Gpt:	Not Reported
Cemfrom1:	0	Cemto1:	345
Nosacks1:	57	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure - Halliburton
Cementby:	AWWS	Ds:	50+
Dpl:	Not Reported	Dsv:	Owner
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	1	Watlev:	155
Watlevdate:	10-SEP-08	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0

Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	231
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	60	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Tested
Stratdepth:	360	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	Almeda Water Well Service
Drllicno:	2843		
Compstreet:	P.O. Box 266	Compcity:	Manvel
Compstate:	TX	Compzip:	77578
Drillernam:	Mike Pyburn	Traineenam:	Antonio Razo
Tnum:	Not Reported		
Comments:	Note: Well location is near the Brazoria / Harris county line. $mew		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000201692		
Latitude:	29.595277		
Longitude:	-95.333054		

O47
NW
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000009254**

Fid:	9253		
Permittee:	Ginn Jr., Charles P.		
Wellowner:	Ginn Jr., Charles P.		
Permitaggl:	11541		
Wellno:	11541		
Attn:	Not Reported		
Correspond:	Not Reported	Address:	5739 Beldart St.
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77033
Usage:	O	County:	H
Latd:	29		
Latm:	36		
Lats:	45		
Lond:	95		
Lonm:	20		
Lons:	48		
Latdd:	29.6125		
Londd:	-95.346666		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	2		
Yeardrill:	Not Reported		
Totaldepth:	20		
Depthfirst:	10		
Newregulat:	2		
Endmo:	8		
Alloc:	0		
Altwater:	0		
Demand:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Begindate:	08/11/10	Enddate:	08/11/10
Agg2013:	0		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	0		
Pump2011:	0		
Wellpump 2:	0		
Agg2010:	1		
Pump2010:	15625		
Wellpump 3:	15625		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		
Pump2007:	0		
Wellpump 6:	0		
Agg2006:	0		
Pump2006:	0		
Wellpump 7:	0		
Agg2005:	0		
Pump2005:	0		
Wellpump 8:	0		
Agg2004:	0		
Pump2004:	0		
Wellpump 9:	0		
Agg2003:	0		
Pump2003:	0		
Wellpum 10:	0		
Agg2002:	0		
Pump2002:	0		
Wellpum 11:	0		
Agg2001:	0		
Pump2001:	0		
Wellpum 12:	0		
Agg2000:	0		
Pump2000:	0		
Wellpum 13:	0		
Agg1999:	0		
Pump1999:	0		
Wellpump19:	0		
Agg1998:	0		
Pump1998:	0		
Wellpum 14:	0		
Agg1997:	0		
Pump1997:	0		
Wellpum 15:	0		
Agg1996:	0		
Pump1996:	0		
Wellpum 16:	0		
Agg1995:	0		
Pump1995:	0		
Wellpum 17:	0		
Agg1994:	0		
Pump1994:	0		

Wellpum 18:	0		
Agg1993:	0		
Pump1993:	0		
Wellpum 19:	0		
Agg1992:	0		
Pump1992:	0		
Wellpum 20:	0		
Agg1991:	0		
Pump1991:	0		
Wellpum 21:	0		
Agg1990:	0		
Pump1990:	0		
Wellpum 22:	0		
Agg1989:	0		
Pump1989:	0		
Wellpum 23:	0		
Agg1979:	0		
Pump1979:	0		
Wellpum 24:	0		
Agg1978:	0		
Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	bpadilla	Inspected:	09-APR-12
Site id:	TXGH40000009254		

48
ENE
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000011074**

Fid:	11073		
Permittee:	Padron, Felipe		
Wellowner:	Padron, Felipe		
Permitaggl:	11503		
Wellno:	11503		
Attn:	Marco Pacheco		
Correspond:	Not Reported	Address:	5421 Schurmier Rd.
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	Not Reported
Usage:	I	County:	H
Latd:	29		
Latm:	36		
Lats:	27		
Lond:	95		
Lonm:	19		
Lons:	40		
Latdd:	29.6075		
Londd:	-95.327777		
Statequadr:	30		
Stateblock:	65		

Stateni:	2		
Diameter:	4		
Yeardrill:	2003		
Totaldepth:	20		
Depthfirst:	10		
Newregulat:	2		
Endmo:	12		
Alloc:	17.5		
Altwater:	0		
Demand:	17.5		
Begindate:	01/01/13	Enddate:	12/31/17
Agg2013:	1		
Pump2013:	3296200		
Wellpump20:	3296200		
Agg2012:	1		
Pump2012:	2980300		
Wellpump 1:	2980300		
Agg2011:	1		
Pump2011:	2283500		
Wellpump 2:	2283500		
Agg2010:	1		
Pump2010:	331700		
Wellpump 3:	331700		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		
Pump2007:	0		
Wellpump 6:	0		
Agg2006:	0		
Pump2006:	0		
Wellpump 7:	0		
Agg2005:	0		
Pump2005:	0		
Wellpump 8:	0		
Agg2004:	0		
Pump2004:	0		
Wellpump 9:	0		
Agg2003:	0		
Pump2003:	0		
Wellpum 10:	0		
Agg2002:	0		
Pump2002:	0		
Wellpum 11:	0		
Agg2001:	0		
Pump2001:	0		
Wellpum 12:	0		
Agg2000:	0		
Pump2000:	0		
Wellpum 13:	0		
Agg1999:	0		
Pump1999:	0		
Wellpump19:	0		
Agg1998:	0		
Pump1998:	0		
Wellpum 14:	0		
Agg1997:	0		

Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0
Pump1978:	0
Wellpum 25:	0
Agg1977:	0
Pump1977:	0
Wellpum 26:	0
Agg1976:	0
Pump1976:	0
Wellpum 27:	0
Inspector:	vachord
Inspected:	04-JAN-13
Site id:	TXGH40000011074

P49
SSE
1/2 - 1 Mile
Lower

TX WELLS **TXDOL2000014300**

Fid:	14299	Rec id:	14325
Edr site i:	181833	Owner:	Osasuyi, Ken
Ownerwell:	No Data		
Address:	2519 Soledad Ridge	 Spring	,TX77373
Grid:	65-30-1		
Waddress:	12517a Max Rd	 Pearland	,TX77581
Lat :	29° 35 41N	Wcounty:	Brazoria
Long :	095° 20 00 W	Elevation:	45 ft.
Gpsused:	Garmin	Typeofwork:	New Well
Propuse:	Domestic	Sdate:	Not Reported

Completedd:	Not Reported		
Diameter:	6.5 in From Surface To 502 ft		
Dmethod:	Mud Rotary		
Bcompletio:	Straight Wall		
Packedfrom:	Not Reported		
Packsize:	Not Reported		
Finterval:	From 0 ft to 482 ft with 30 Bags Cement (#sacks and material)		
Sinterval:	No Data		
Tinterval:	No Data		
Usedmethod:	Pressure	Cementedby:	ODCI
Contaminat:	No Data	Propertyli:	No Data
Verrimetho:	No Data	Variance:	No Data
Surface:	Surface Sleeve Installed	Staticleve:	190 ft. below land surface on(No Data)
Flow:	No Data		
Packers:	BP Seal 460 Ft		
Cementinwe:	No Data	Typepump:	Submersible
Pumpbowl:	273 ft	Welltests:	Jetted
Yield:	30 GPM with (No Data) ft drawdown after (No Data) hours		
Watertype:	No Data	Stratadept:	15 ft.
Chemicalma:	No	Undesirabl:	No
Companynam:	ODay Drilling Company, Inc	Companyadd:	5923 CR 931
Ccitystate:	Rosharon , TX 77583	Licensenum:	4883
Wsignature:	Angel Bautista	Dsignature:	Arturo Barerra
Regnum:	56891		
Comments :	No Data		
Site id:	TXDOL2000014300		

P50
SSE
1/2 - 1 Mile
Lower

TX WELLS **TXMON3000179320**

Dateentere:	09-JUN-09	Ownname:	Osasuyi, Ken
Ownstreet:	2519 Soledad Ridge		
Owncity:	Spring	Ownstate:	TX
Ownzip:	77373	County:	Brazoria
Wellstreet:	12517a Max Rd		
Wellcity:	Pearland	Wellzip:	77581
Own:	Not Reported		
Lat dec:	29.594721		
Long dec:	-95.333333		
Elev:	45		
Brandmodel:	Garmin		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	29-MAY-09	Datecomp:	02-JUN-09
Dia1:	6.5	Dia1to:	502
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	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
Cemfrom1:	0	Cemto1:	482
Nosacks1:	30 Bags Cement	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure
Cementby:	ODCI	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	0
Scsv:	1	Scp:	0
Sca:	0	Watlev:	190
Watlevdate:	Not Reported	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	273
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	30	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Reported
Stratdepth:	15	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	O'Day Drilling Company, Inc
Drllicno:	4883		
Compstreet:	5923 CR 931	Compcity:	Rosharon
Compstate:	TX	Compzip:	77583
Drillernam:	Angel Bautista	Traineenam:	Arturo Barerra
Tnum:	56891		
Comments:	Not Reported		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000179320		
Latitude:	29.594721		
Longitude:	-95.333333		

51
SSW
1/2 - 1 Mile
Higher

TX WELLS **TXMON3000169392**

Dateentere:	20-MAR-09	Ownname:	Al Martinez
Ownstreet:	4637 Dagg Rd.		
Owncity:	Houston	Ownstate:	TX
Ownzip:	77048	County:	Harris
Wellstreet:	4637 Dagg Rd.		
Wellcity:	Houston	Wellzip:	77048
Own:	Not Reported		
Lat dec:	29.593333		
Long dec:	-95.343333		
Elev:	0		

Brandmodel:	315 Magellan		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	19-FEB-09	Datecomp:	20-FEB-09
Dia1:	6.75	Dia1to:	300
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	1	Bcot:	2 string
Gpf:	Not Reported	Gpt:	Not Reported
Cemfrom1:	0	Cemto1:	285
Nosacks1:	18	Cemfrom2:	10
Cemto2:	0	Nosacks2:	10
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Halliburton
Cementby:	SDI	Ds:	100
Dpl:	7	Dsv:	owner
Appvar:	Not Reported	Scs:	1
Scsv:	0	Scp:	0
Sca:	0	Watlev:	150
Watlevdate:	12-MAR-09	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	200
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	40	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	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	Scott Drilling, Inc.
Drllicno:	4839		
Compstreet:	11923 Green Pine Circle Dr.	Compcity:	Houston
Compstate:	TX	Compzip:	77066
Drillernam:	Scott Robinson	Traineenam:	Not Reported
Tnum:	Not Reported		
Comments:	Not Reported		

Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000169392		
Latitude:	29.593333		
Longitude:	-95.343333		

Q52
SW
1/2 - 1 Mile
Higher

TX WELLS **TXMON3000275401**

Dateentere:	14-FEB-12	Ownname:	Darren Holmes
Ownstreet:	1212 Stone Rd.		
Owncity:	Pearland	Ownstate:	TX
Ownzip:	77581	County:	Brazoria
Wellstreet:	1212 Stone Rd.		
Wellcity:	Pearland	Wellzip:	77581
Own:	Well Log 03855		
Lat dec:	29.595555		
Long dec:	-95.348055		
Elev:	0		
Brandmodel:	Not Given		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	28-JUL-11	Datecomp:	01-AUG-11
Dia1:	7	Dia1to:	315
Dia2:	4.5	Dia2from:	315
Dia2to:	330	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	1	Bcot:	Two String/K-Packer
Gpf:	Not Reported	Gpt:	Not Reported
Cemfrom1:	0	Cemto1:	315
Nosacks1:	45	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure-Haliburton
Cementby:	AWWS	Ds:	50+
Dpl:	Not Reported	Dsv:	Owner
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	1	Watlev:	168
Watlevdate:	01-AUG-11	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0

Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	231
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	75	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Tested
Stratdepth:	330	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	Almeda Water Well Service
Drllicno:	2843		
Compstreet:	PO Box 266	Compcity:	Manvel
Compstate:	TX	Compzip:	77578
Drillernam:	Mike Pyburn	Traineenam:	Antonio Razo
Tnum:	57900		
Comments:	^EAD		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000275401		
Latitude:	29.595555		
Longitude:	-95.348055		

R53
South
1/2 - 1 Mile
Lower

TX WELLS **TXDOL2000014341**

Fid:	14340	Rec id:	14336
Edr site i:	181548	Owner:	Derward Amacker
Ownerwell:	Well log #30735		
Address:	12602 Sunbrook Pearland ,TX		
Grid:	65-30-1		
Waddress:	12602 Sunbrook Pearland ,TX		
Lat :	29° 35 34N	Wcounty:	Brazoria
Long :	095° 20 13 W	Elevation:	No Data
Gpsused:	map	Typeofwork:	New Well
Propuse:	Domestic	Sdate:	Not Reported
Completedd:	Not Reported		
Diameter:	6.5 in From Surface To 361 ft		
Dmethod:	Mud Rotary		
Bcompletio:	Straight Wall		
Packedfrom:	Not Reported		
Packsize:	Not Reported		
Finterval:	From 340 ft to 0 ft with 20 (#sacks and material)		
Sinterval:	No Data		
Tinterval:	No Data		
Usedmethod:	pressure	Cementedby:	ODay Drilling Company, Inc.
Contaminat:	No Data	Propertyli:	No Data
Verrimetho:	No Data	Variance:	No Data
Surface:	Surface Sleeve Installed	Staticleve:	150 ft. below land surface on8/4/2004
Flow:	No Data		
Packers:	BP Seal, 331		
Cementinwe:	No Data	Typepump:	Submersible
Pumpbowl:	231 ft	Welltests:	Jetted
Yield:	60 GPM with (No Data) ft drawdown after (No Data) hours		
Watertype:	n/a	Stratadept:	19 ft.
Chemicalma:	No	Undesirabl:	No

Companynam:	ODay Drilling Company, Inc.	Companyadd:	2357 Garden Rd
Ccitystate:	Pearland , TX 77581	Licensenum:	4883
Wsignature:	Angel Bautista	Dsignature:	Miguel Arguello
Regnum:	No Data		
Comments :	Well location is near Brazoria Co-Harris Co border. $scd		
Site id:	TXDOL2000014341		

R54
South
1/2 - 1 Mile
Lower

TX WELLS **TXMON3000179025**

Dateentere:	08-JUN-09	Ownname:	Derward Amacker
Ownstreet:	12602 Sunbrook		
Owncity:	Pearland	Ownstate:	TX
Ownzip:	Not Reported	County:	Brazoria
Wellstreet:	12602 Sunbrook		
Wellcity:	Pearland	Wellzip:	Not Reported
Own:	Well log #30735		
Lat dec:	29.592777		
Long dec:	-95.336944		
Elev:	0		
Brandmodel:	map		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	30-JUL-04	Datecomp:	04-AUG-04
Dia1:	6.5	Dia1to:	361
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	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
Cemfrom1:	340	Cemto1:	0
Nosacks1:	20	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	pressure
Cementby:	O'Day Drilling Company, Inc.	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	0
Scsv:	1	Scp:	0
Sca:	0	Watlev:	150
Watlevdate:	04-AUG-04	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0

Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	231
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	60	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	n/a
Stratdepth:	19	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	O'Day Drilling Company, Inc.
Drllicno:	4883		
Compstreet:	2357 Garden Rd	Compcity:	Pearland
Compstate:	TX	Compzip:	77581
Drillernam:	Angel Bautista	Traineenam:	Miguel Arguello
Tnum:	Not Reported		
Comments:	Well location is near Brazoria Co-Harris Co border. $scd		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000179025		
Latitude:	29.592777		
Longitude:	-95.336944		

S55
South
1/2 - 1 Mile
Lower

TX WELLS **TXDOL2000015003**

Fid:	15002	Rec id:	15002
Edr site i:	166909	Owner:	Gehring, John
Ownerwell:	No Data		
Address:	1129 Stone Rd		 Brookside Village ,TX77584
Grid:	65-30-1		
Waddress:	1129 Stone Rd		 Brookside Village ,TX77584
Lat :	29° 35 33N	Wcounty:	Brazoria
Long :	095° 20 26 W	Elevation:	No Data
Gpsused:	Street Atlas	Typeofwork:	New Well
Propuse:	Domestic	Sdate:	Not Reported
Completedd:	Not Reported		
Diameter:	6.5 in From Surface To 505 ft		
Dmethod:	Mud Rotary		
Bcompletio:	Straight Wall		
Packedfrom:	Not Reported		
Packsize:	Not Reported		
Finterval:	From 0 ft to 484 ft with 30 Bags Cement (#sacks and material)		
Sinterval:	No Data		
Tinterval:	No Data		
Usedmethod:	Pressure	Cementedby:	ODCI
Contaminat:	No Data	Propertyli:	No Data
Verrimetho:	No Data	Variance:	No Data
Surface:	Surface Sleeve Installed	Staticleve:	190 ft. below land surface on(No Data)
Flow:	No Data		
Packers:	BP Valve 463		
Cementinwe:	No Data	Typepump:	Submersible
Pumpbowl:	173 ft	Welltests:	Jetted
Yield:	30 GPM with (No Data) ft drawdown after (No Data) hours		
Watertype:	No Data	Stratadept:	20 ft.
Chemicalma:	No	Undesirabl:	No

Companynam:	ODay Drilling Company, Inc	Companyadd:	5923 CR 931
Ccitystate:	Rosharon , TX 77583	Licensenum:	4883
Wsignature:	Angel Bautista	Dsignature:	Arturo Barerra
Regnum:	56891		
Comments :	No Data		
Site id:	TXDOL2000015003		

S56
South
1/2 - 1 Mile
Lower

TX WELLS **TXMON3000164511**

Dateentere:	29-JAN-09	Ownname:	Gehring, John
Ownstreet:	1129 Stone Rd		
Owncity:	Brookside Village	Ownstate:	TX
Ownzip:	77584	County:	Brazoria
Wellstreet:	1129 Stone Rd		
Wellcity:	Brookside Village	Wellzip:	77584
Own:	Not Reported		
Lat dec:	29.592499		
Long dec:	-95.340555		
Elev:	0		
Brandmodel:	Street Atlas		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	22-JAN-09	Datecomp:	23-JAN-09
Dia1:	6.5	Dia1to:	505
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	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
Cemfrom1:	0	Cemto1:	484
Nosacks1:	30 Bags Cement	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure
Cementby:	ODCI	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	0
Scsv:	1	Scp:	0
Sca:	0	Watlev:	190
Watlevdate:	Not Reported	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0

Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	173
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	30	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Reported
Stratdepth:	20	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	O'Day Drilling Company, Inc
Drllicno:	4883		
Compstreet:	5923 CR 931	Compcity:	Rosharon
Compstate:	TX	Compzip:	77583
Drillernam:	Angel Bautista	Traineenam:	Arturo Barerra
Tnum:	56891		
Comments:	Not Reported		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000164511		
Latitude:	29.592499		
Longitude:	-95.340555		

S57
South
1/2 - 1 Mile
Lower

TX WELLS **TXWDB5000107896**

Fid:	107895	State well:	6530107
County nam:	Harris	Basin name:	San Jacinto-Brazos Rivers
Gma:	14	Rwpa:	H
Previous w:	Not Reported		
Lat dec:	29.592499		
Long dec:	-95.340833		
Coordsourc:	+/- 5 Seconds		
Owner 1:	John H. Genring	Owner 2:	Not Reported
Driller 1:	Ace Water Well	Driller 2:	Service
Aquifer co:	112CHCTL	Aquifer id:	Gulf Coast
Elev of ls:	51	Elev meth:	Interpolated From Topo Map
Date drill:	00001966	Welltype:	Withdrawal of Water
Well depth:	292	Depthsourc:	Owner
Welluse:	Domestic		
Site id:	TXWDB5000107896		
Water Level Info:		Pn well visit mark:	P
Depth from lsd:	-23.9	Mm date:	3
Dd date:	14	Yy date:	1967
Measurement number:	01	Measuring agency:	04
Method of meas:	1	Remark:	Not Reported
Date entered:	21-FEB-03	User name:	dwuerch

Remarks:		Group number:	1
Remarks 1:	Well #65-30-103 in TWDB Report 378	Remarks 2:	Screened from 282 to 292 ft.

58
NNE **TX WELLS** **TXGH40000001046**
1/2 - 1 Mile
Lower

Fid:	1045		
Permittee:	Houston Ind. School District		
Wellowner:	Houston Ind. School District		
Permitaggl:	5629		
Wellno:	5629		
Attn:	C. Guerrero		
Correspond:	Not Reported	Address:	5120 Allison Rd.
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77048
Usage:	D	County:	H
Latd:	29		
Latm:	36		
Lats:	55		
Lond:	95		
Lonm:	20		
Lons:	3		
Latdd:	29.615277		
Londd:	-95.334166		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	2		
Yeardrill:	1996		
Totaldepth:	100		
Depthfirst:	90		
Newregulat:	2		
Endmo:	12		
Alloc:	0		
Altwater:	0		
Demand:	0		
Begindate:	12/09/09	Enddate:	12/09/09
Agg2013:	0		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	0		
Pump2011:	0		
Wellpump 2:	0		
Agg2010:	0		
Pump2010:	0		
Wellpump 3:	0		
Agg2009:	1		
Pump2009:	1000		
Wellpump 4:	1000		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		

Pump2007:	0
Wellpump 6:	0
Agg2006:	1
Pump2006:	900000
Wellpump 7:	900000
Agg2005:	0
Pump2005:	0
Wellpump 8:	0
Agg2004:	0
Pump2004:	0
Wellpump 9:	0
Agg2003:	1
Pump2003:	900000
Wellpum 10:	900000
Agg2002:	1
Pump2002:	728000
Wellpum 11:	728000
Agg2001:	1
Pump2001:	728000
Wellpum 12:	728000
Agg2000:	1
Pump2000:	728000
Wellpum 13:	728000
Agg1999:	1
Pump1999:	728000
Wellpump19:	728000
Agg1998:	1
Pump1998:	728000
Wellpum 14:	728000
Agg1997:	1
Pump1997:	728000
Wellpum 15:	728000
Agg1996:	1
Pump1996:	728000
Wellpum 16:	728000
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0

Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	bpadilla	Inspected:	04-APR-12
Site id:	TXGH40000001046		

Q59
SW
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000010021**

Fid:	10020		
Permittee:	Blue Fox Farms		
Wellowner:	Blue Fox Farms		
Permitaggl:	8347		
Wellno:	8347		
Attn:	Not Reported		
Correspond:	Teri Bludworth	Address:	14801 Old Chocolate Bayou Rd.
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77048
Usage:	O	County:	H
Latd:	29		
Latm:	35		
Lats:	44		
Lond:	95		
Lonm:	20		
Lons:	56		
Latdd:	29.595555		
Londd:	-95.348888		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	4		
Yeardrill:	Not Reported		
Totaldepth:	340		
Depthfirst:	320		
Newregulat:	2		
Endmo:	1		
Alloc:	0		
Altwater:	0		
Demand:	0		
Begindate:	01/01/07	Enddate:	01/01/07
Agg2013:	0		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	0		
Pump2011:	0		
Wellpump 2:	0		

Agg2010:	0
Pump2010:	0
Wellpump 3:	0
Agg2009:	0
Pump2009:	0
Wellpump 4:	0
Agg2008:	0
Pump2008:	0
Wellpump 5:	0
Agg2007:	0
Pump2007:	0
Wellpump 6:	0
Agg2006:	0
Pump2006:	0
Wellpump 7:	0
Agg2005:	0
Pump2005:	0
Wellpump 8:	0
Agg2004:	1
Pump2004:	1207000
Wellpump 9:	1207000
Agg2003:	1
Pump2003:	1207000
Wellpum 10:	1207000
Agg2002:	1
Pump2002:	1207000
Wellpum 11:	1207000
Agg2001:	1
Pump2001:	1200000
Wellpum 12:	1200000
Agg2000:	1
Pump2000:	1500000
Wellpum 13:	1500000
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0

Agg1990:	0		
Pump1990:	0		
Wellpum 22:	0		
Agg1989:	0		
Pump1989:	0		
Wellpum 23:	0		
Agg1979:	0		
Pump1979:	0		
Wellpum 24:	0		
Agg1978:	0		
Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	bpadilla	Inspected:	05-APR-12
Site id:	TXGH40000010021		

60
NNW **TX WELLS** **TXPLU3000089090**
1/2 - 1 Mile
Lower

Plugtrackn:	90479		
Dateentere:	17-OCT-13	Ownname:	Geotest Engineering
Ownstreet:	5600 Bintliff	Owncity:	Houston
Ownstate:	TX	Ownzip:	77036
Wellstreet:	4702 Allison Rd		
Wellcity:	Houston	Wellzip:	77048
County:	Harris		
Latitude:	293659		
Lat dec:	29.616388		
Longitude:	952034		
Long dec:	-95.342777		
Brmod:	Magellan		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	Ownwellno:	GB-12
Typewater:	0	Typemon:	1
Typeinj:	0	Typedw:	0
Histdrille:	Mario Gonzalez	Histdrllic:	Not Reported
Histdatedr:	22-JUL-13	Histtracki:	338180
Histdiamin:	4	Histdepth:	25'
Plugdate:	14-OCT-13		
Plugmethco:	Amended at request of driller. Unable to utilize amendment request functionality - 10/28/13 DT		
Plugopname:	Mario Gonzalez		
Plugoplic:	58171		
Plugmeth1:	1	Plugmeth2:	0
Plugmeth3:	0	Plugmeth4:	0
Plugmethot:	0	Plugvar:	Not Reported
Cdiam1:	Not Reported	Cfrom1:	Not Reported
Cto1:	Not Reported	Cdiam2:	Not Reported
Cfrom2:	Not Reported	Cto2:	Not Reported

Cdiam3:	Not Reported	Cfrom3:	Not Reported
Cto3:	Not Reported	Cbfrom1:	0
Cbto1:	2	Cbsacks1:	Concrete
Cbfrom2:	2	Cbto2:	25
Cbsacks2:	Grout/Cement	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:	Envirotech Drilling Services	Compstreet:	2718 S. Brompton Drive
Compcity:	Pearland	Compstate:	TX
Compzip:	77584	Nameassig:	Jaime Vasquez
Traineenam:	Mario Gonzalez	Tnum:	Not Reported
Deleted:	0	Site id:	TXPLU3000089090

T61
WNW
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000005674**

Fid:	5673		
Permittee:	Limeco Inc.		
Wellowner:	Limeco Inc.		
Permitaggl:	7914		
Wellno:	7915		
Attn:	Scott Clark		
Correspond:	Not Reported	Address:	PO Box 2435
Address2:	Not Reported	City:	Pearland
State:	TX	Zip:	77588
Usage:	I	County:	H
Latd:	29		
Latm:	36		
Lats:	31		
Lond:	95		
Lonm:	21		
Lons:	10		
Latdd:	29.608611		
Londd:	-95.352777		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	5		
Yeardrill:	2000		
Totaldepth:	100		
Depthfirst:	80		
Newregulat:	2		
Endmo:	12		
Alloc:	2.2		
Altwater:	8.9		
Demand:	11.1		
Begindate:	01/01/15	Enddate:	12/31/15
Agg2013:	2		
Pump2013:	7041400		
Wellpump20:	3520700		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	2		
Pump2011:	2330100		
Wellpump 2:	1165050		

Agg2010:	2
Pump2010:	1875600
Wellpump 3:	937800
Agg2009:	2
Pump2009:	2825700
Wellpump 4:	1412850
Agg2008:	2
Pump2008:	7530400
Wellpump 5:	3765200
Agg2007:	2
Pump2007:	1789500
Wellpump 6:	894750
Agg2006:	2
Pump2006:	6260500
Wellpump 7:	3130250
Agg2005:	2
Pump2005:	4754500
Wellpump 8:	2377250
Agg2004:	2
Pump2004:	7338200
Wellpump 9:	3669100
Agg2003:	2
Pump2003:	8656100
Wellpum 10:	4328050
Agg2002:	2
Pump2002:	17229600
Wellpum 11:	8614800
Agg2001:	2
Pump2001:	7590500
Wellpum 12:	3795250
Agg2000:	1
Pump2000:	355400
Wellpum 13:	355400
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0

Agg1990:	0		
Pump1990:	0		
Wellpum 22:	0		
Agg1989:	0		
Pump1989:	0		
Wellpum 23:	0		
Agg1979:	0		
Pump1979:	0		
Wellpum 24:	0		
Agg1978:	0		
Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	DJones	Inspected:	02-JAN-14
Site id:	TXGH40000005674		

T62
WNW **TX WELLS** **TXGH40000006523**
1/2 - 1 Mile
Higher

Fid:	6522		
Permittee:	Limeco Inc.		
Wellowner:	Limeco Inc.		
Permitaggl:	7914		
Wellno:	7914		
Attn:	Scott Clark		
Correspond:	Not Reported	Address:	PO Box 2435
Address2:	Not Reported	City:	Pearland
State:	TX	Zip:	77588
Usage:	I	County:	H
Latd:	29		
Latm:	36		
Lats:	31		
Lond:	95		
Lonm:	21		
Lons:	10		
Latdd:	29.608611		
Londd:	-95.352777		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	5		
Yeardrill:	2000		
Totaldepth:	100		
Depthfirst:	80		
Newregulat:	2		
Endmo:	12		
Alloc:	2.2		
Altwater:	8.9		
Demand:	11.1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Begindate:	01/01/15	Enddate:	12/31/15

Agg2013:	2
Pump2013:	7041400
Wellpump20:	3520700
Agg2012:	0
Pump2012:	0
Wellpump 1:	0
Agg2011:	2
Pump2011:	2330100
Wellpump 2:	1165050
Agg2010:	2
Pump2010:	1875600
Wellpump 3:	937800
Agg2009:	2
Pump2009:	2825700
Wellpump 4:	1412850
Agg2008:	2
Pump2008:	7530400
Wellpump 5:	3765200
Agg2007:	2
Pump2007:	1789500
Wellpump 6:	894750
Agg2006:	2
Pump2006:	6260500
Wellpump 7:	3130250
Agg2005:	2
Pump2005:	4754500
Wellpump 8:	2377250
Agg2004:	2
Pump2004:	7338200
Wellpump 9:	3669100
Agg2003:	2
Pump2003:	8656100
Wellpum 10:	4328050
Agg2002:	2
Pump2002:	17229600
Wellpum 11:	8614800
Agg2001:	2
Pump2001:	7590500
Wellpum 12:	3795250
Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0

Wellpum 18:	0		
Agg1993:	0		
Pump1993:	0		
Wellpum 19:	0		
Agg1992:	0		
Pump1992:	0		
Wellpum 20:	0		
Agg1991:	0		
Pump1991:	0		
Wellpum 21:	0		
Agg1990:	0		
Pump1990:	0		
Wellpum 22:	0		
Agg1989:	0		
Pump1989:	0		
Wellpum 23:	0		
Agg1979:	0		
Pump1979:	0		
Wellpum 24:	0		
Agg1978:	0		
Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	DJones	Inspected:	02-JAN-14
Site id:	TXGH40000006523		

63
SSW
1/2 - 1 Mile
Higher

TX WELLS **TXMON3000172349**

Dateentere:	15-APR-09	Ownname:	Anthony Hepburn
Ownstreet:	7700 Dagg Road		
Owncity:	Houston	Ownstate:	TX
Ownzip:	Not Reported	County:	Harris
Wellstreet:	7700 Dagg Road		
Wellcity:	Houston	Wellzip:	Not Reported
Own:	Well Log 32144		
Lat dec:	29.591944		
Long dec:	-95.342777		
Elev:	0		
Brandmodel:	Map		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	15-DEC-04	Datecomp:	17-DEC-04
Dia1:	6.5	Dia1to:	330
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	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
Cemfrom1:	314	Cemto1:	0
Nosacks1:	18	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure
Cementby:	ODCI	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	1
Scsv:	0	Scp:	0
Sca:	0	Watlev:	165
Watlevdate:	17-DEC-04	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	231
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	30	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Reported
Stratdepth:	28	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	O'Day Drilling Co., Inc.
Drllicno:	4883		
Compstreet:	2357 Garden Road	Compcity:	Pearland
Compstate:	TX	Compzip:	77581
Drillernam:	Angel Bautista	Traineenam:	Arturo Barrera
Tnum:	Not Reported		
Comments:	$mew		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000172349		
Latitude:	29.591944		
Longitude:	-95.342777		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

64
SSE
1/2 - 1 Mile
Lower | **TX WELLS** | **TXMON3000203609**

Dateentere:	29-JAN-10	Ownname:	Richardson, Christopher & Robbyn
Ownstreet:	11508 Island Breeze		
Owncity:	Pearland	Ownstate:	TX
Ownzip:	77581	County:	Brazoria
Wellstreet:	12614 Max Rd		
Wellcity:	Pearland	Wellzip:	77581
Own:	Not Reported		
Lat dec:	29.592221		
Long dec:	-95.334444		
Elev:	0		
Brandmodel:	Garmin		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	26-JAN-10	Datecomp:	27-JAN-10
Dia1:	6.5	Dia1to:	355
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	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
Cemfrom1:	0	Cemto1:	339
Nosacks1:	20 Bags Cement	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure
Cementby:	ODCI	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	1
Scsv:	0	Scp:	0
Sca:	0	Watlev:	150
Watlevdate:	Not Reported	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0

Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	231
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	35	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Reported
Stratdepth:	16	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	O'Day Drilling Company, Inc
Drllicno:	1827		
Compstreet:	5923 CR 931	Compcity:	Rosharon
Compstate:	TX	Compzip:	77583
Drillernam:	Paul Rhodes	Traineenam:	Arturo Barrera
Tnum:	56891		
Comments:	Not Reported		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000203609		
Latitude:	29.592221		
Longitude:	-95.334444		

65
NW
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000010626**

Fid:	10625		
Permittee:	Rapido Ready Mix		
Wellowner:	Rapido Ready Mix		
Permitaggl:	10062		
Wellno:	10062		
Attn:	Not Reported		
Correspond:	Euesbio Torrez	Address:	10314 Hinds St.
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77034
Usage:	I	County:	H
Latd:	29		
Latm:	36		
Lats:	45		
Lond:	95		
Lonm:	21		
Lons:	1		
Latdd:	29.6125		
Londd:	-95.350277		
Statequadr:	30		
Stateblock:	65		
Stateni:	2		
Diameter:	4		
Yeardrill:	Not Reported		
Totaldepth:	100		
Depthfirst:	80		
Newregulat:	2		
Endmo:	7		
Alloc:	0		
Altwater:	0		
Demand:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Begindate:	07/13/05	Enddate:	07/13/05
Agg2013:	0		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	0		
Pump2011:	0		
Wellpump 2:	0		
Agg2010:	0		
Pump2010:	0		
Wellpump 3:	0		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		
Pump2007:	0		
Wellpump 6:	0		
Agg2006:	0		
Pump2006:	0		
Wellpump 7:	0		
Agg2005:	0		
Pump2005:	0		
Wellpump 8:	0		
Agg2004:	0		
Pump2004:	0		
Wellpump 9:	0		
Agg2003:	0		
Pump2003:	0		
Wellpum 10:	0		
Agg2002:	0		
Pump2002:	0		
Wellpum 11:	0		
Agg2001:	0		
Pump2001:	0		
Wellpum 12:	0		
Agg2000:	0		
Pump2000:	0		
Wellpum 13:	0		
Agg1999:	0		
Pump1999:	0		
Wellpump19:	0		
Agg1998:	0		
Pump1998:	0		
Wellpum 14:	0		
Agg1997:	0		
Pump1997:	0		
Wellpum 15:	0		
Agg1996:	0		
Pump1996:	0		
Wellpum 16:	0		
Agg1995:	0		
Pump1995:	0		
Wellpum 17:	0		
Agg1994:	0		
Pump1994:	0		

Wellpum 18:	0		
Agg1993:	0		
Pump1993:	0		
Wellpum 19:	0		
Agg1992:	0		
Pump1992:	0		
Wellpum 20:	0		
Agg1991:	0		
Pump1991:	0		
Wellpum 21:	0		
Agg1990:	0		
Pump1990:	0		
Wellpum 22:	0		
Agg1989:	0		
Pump1989:	0		
Wellpum 23:	0		
Agg1979:	0		
Pump1979:	0		
Wellpum 24:	0		
Agg1978:	0		
Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	bpadilla	Inspected:	22-AUG-05
Site id:	TXGH40000010626		

66
SSW **TX WELLS** **TXGH40000011342**
1/2 - 1 Mile
Higher

Fid:	11341		
Permittee:	Cherry Crushed Concrete		
Wellowner:	Cherry Crushed Concrete		
Permitaggl:	11856		
Wellno:	11856		
Attn:	John Conyer		
Correspond:	Not Reported	Address:	6131 Selinsky
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77048
Usage:	I	County:	H
Latd:	29		
Latm:	35		
Lats:	32		
Lond:	95		
Lonm:	20		
Lons:	40		
Latdd:	29.592222		
Londd:	-95.344444		
Statequadr:	30		
Stateblock:	65		

Stateni:	1		
Diameter:	5		
Yeardrill:	Not Reported		
Totaldepth:	500		
Depthfirst:	470		
Newregulat:	2		
Endmo:	12		
Alloc:	5		
Altwater:	0		
Demand:	5		
Begindate:	01/01/15	Enddate:	12/31/15
Agg2013:	1		
Pump2013:	124960		
Wellpump20:	124960		
Agg2012:	1		
Pump2012:	2777260		
Wellpump 1:	2777260		
Agg2011:	1		
Pump2011:	54330		
Wellpump 2:	54330		
Agg2010:	0		
Pump2010:	0		
Wellpump 3:	0		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		
Pump2007:	0		
Wellpump 6:	0		
Agg2006:	0		
Pump2006:	0		
Wellpump 7:	0		
Agg2005:	0		
Pump2005:	0		
Wellpump 8:	0		
Agg2004:	0		
Pump2004:	0		
Wellpump 9:	0		
Agg2003:	0		
Pump2003:	0		
Wellpum 10:	0		
Agg2002:	0		
Pump2002:	0		
Wellpum 11:	0		
Agg2001:	0		
Pump2001:	0		
Wellpum 12:	0		
Agg2000:	0		
Pump2000:	0		
Wellpum 13:	0		
Agg1999:	0		
Pump1999:	0		
Wellpump19:	0		
Agg1998:	0		
Pump1998:	0		
Wellpum 14:	0		
Agg1997:	0		

Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0
Pump1978:	0
Wellpum 25:	0
Agg1977:	0
Pump1977:	0
Wellpum 26:	0
Agg1976:	0
Pump1976:	0
Wellpum 27:	0
Inspector:	SUlcak
Inspected:	16-JAN-14
Site id:	TXGH40000011342

67
NNW
1/2 - 1 Mile
Higher

TX WELLS **TXMON3000290030**

Dateentere:	27-JUL-12	Ownname:	Terry Allenye
Ownstreet:	4623 Schurmier		
Owncity:	Houston	Ownstate:	TX
Ownzip:	77048	County:	Harris
Wellstreet:	4623 Schurmier		
Wellcity:	Houston	Wellzip:	77048
Own:	Not Reported		
Lat dec:	29.616388		
Long dec:	-95.344166		
Elev:	0		

Brandmodel:	Not Given		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	12-JUN-12	Datecomp:	12-JUN-12
Dia1:	7	Dia1to:	20
Dia2:	5	Dia2from:	20
Dia2to:	77	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	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
Cemfrom1:	0	Cemto1:	71
Nosacks1:	17	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure-Tremi Pipe
Cementby:	AWWS	Ds:	50+
Dpl:	Not Reported	Dsv:	Owner
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	1	Watlev:	27
Watlevdate:	12-JUN-12	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	1	Tpsubmersi:	0
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	40
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	50	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Tested
Stratdepth:	77	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	Almeda Water Well Service
Drllicno:	2843		
Compstreet:	PO Box 266	Compcity:	Manvel
Compstate:	TX	Compzip:	77578
Drillernam:	Mike Pyburn	Traineenam:	Antonio Razo
Tnum:	57900		
Comments:	^EAD		

Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000290030		
Latitude:	29.616388		
Longitude:	-95.344166		

U68
WSW
1/2 - 1 Mile
Higher

TX WELLS **TXMON3000187431**

Dateentere:	17-AUG-09	Ownname:	RLB Holdings, Inc.
Ownstreet:	4545 S Sam Houston Pkwy E		
Owncity:	Houston	Ownstate:	TX
Ownzip:	Not Reported	County:	Harris
Wellstreet:	4545 S Sam Houston Pkwy E		
Wellcity:	Houston	Wellzip:	Not Reported
Own:	Well log #38456		
Lat dec:	29.598333		
Long dec:	-95.3525		
Elev:	0		
Brandmodel:	map		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	16-AUG-06	Datecomp:	25-AUG-06
Dia1:	6.5	Dia1to:	375
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	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
Cemfrom1:	358	Cemto1:	0
Nosacks1:	20	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	pressure
Cementby:	O'Day Drilling Company, Inc.	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	1
Scsv:	0	Scp:	0
Sca:	0	Watlev:	170
Watlevdate:	25-AUG-06	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0

Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	252
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	35	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	n/a
Stratdepth:	17	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	O'Day Drilling Company, Inc.
Drllicno:	4883		
Compstreet:	5923 CR 931	Compcity:	Rosharon
Compstate:	TX	Compzip:	77583
Drillernam:	Angel Bautista	Traineenam:	Arturo Barrera
Tnum:	1138/56891		
Comments:	$scd		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000187431		
Latitude:	29.598333		
Longitude:	-95.3525		

V69
NNE
1/2 - 1 Mile
Lower

TX WELLS **TXPLU3000014670**

Plugtrackn:	14893		
Dateentere:	15-JAN-04	Ownname:	CITY OF PEARLAND
Ownstreet:	3519 LIBERTY DR.	Owncity:	PEARLAND
Ownstate:	TX	Ownzip:	77581
Wellstreet:	COMAL @ MYKAWA		
Wellcity:	PEARLAND	Wellzip:	Not Reported
County:	Brazoria		
Latitude:	293658		
Lat dec:	29.616111		
Longitude:	951957		
Long dec:	-95.332499		
Brmod:	MAP		
Gn:	65302		
Gn1:	65	Gn75:	30
Gn25:	2	Ownwellno:	Not Reported
Typewater:	1	Typemon:	0
Typeinj:	0	Typedw:	0
Histdrille:	Not Reported	Histdrllic:	Not Reported
Histdatedr:	Not Reported	Histtracki:	Not Reported
Histdiamin:	Not Reported	Histdepth:	Not Reported
Plugdate:	13-OCT-03		
Plugmethco:	DG		
Plugopname:	DUANE COCKERELL		
Plugoplic:	54634		
Plugmeth1:	0	Plugmeth2:	0
Plugmeth3:	1	Plugmeth4:	0
Plugmethot:	0	Plugvar:	Not Reported
Cdiam1:	4	Cfrom1:	0
Cto1:	350	Cdiam2:	Not Reported
Cfrom2:	Not Reported	Cto2:	Not Reported

Cdiam3:	Not Reported	Cfrom3:	Not Reported
Cto3:	Not Reported	Cbfrom1:	350
Cbto1:	5	Cbsacks1:	10
Cbfrom2:	5	Cbto2:	2
Cbsacks2:	4	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:	O'DAY DRILLING	Compstreet:	2357 GRADEN
Compcity:	PEARLAND	Compstate:	TX
Compzip:	77581	Nameassig:	DUANE COCKERELL
Traineenam:	Not Reported	Tnum:	Not Reported
Deleted:	0	Site id:	TXPLU3000014670

W70
SE
1/2 - 1 Mile
Lower

TX WELLS **TXMON3000333103**

Dateentere:	21-AUG-13	Ownname:	Dominic Fan
Ownstreet:	12315 Roy Road		
Owncity:	Pearland	Ownstate:	TX
Ownzip:	77581	County:	Brazoria
Wellstreet:	Not Reported		
Wellcity:	Not Reported	Wellzip:	Not Reported
Own:	03924		
Lat dec:	29.596388		
Long dec:	-95.326943		
Elev:	0		
Brandmodel:	None given		
Gn:	65302		
Gn1:	65	Gn75:	30
Gn25:	2	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	10-JAN-12	Datecomp:	12-JAN-12
Dia1:	7	Dia1to:	353
Dia2:	4.5	Dia2from:	353
Dia2to:	370	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	1	Bcot:	2 String/K-Packer
Gpf:	Not Reported	Gpt:	Not Reported
Cemfrom1:	0	Cemto1:	353
Nosacks1:	52	Cemfrom2:	Not Reported

Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Pressure-Haliburton
Cementby:	AWWS	Ds:	50+
Dpl:	Not Reported	Dsv:	Owner
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	1	Watlev:	157
Watlevdate:	12-NOV-12	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	231
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	45	Welltestdr:	Not Reported
Welltesthr:	Not Reported	Watqualund:	0
Watqualu 1:	1	Watertype:	Not Tested
Stratdepth:	370	Chemanaly:	0
Chemanaln:	1	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	Not Reported
Drllicno:	2843		
Compstreet:	Not Reported	Compcity:	Not Reported
Compstate:	Not Reported	Compzip:	Not Reported
Drillernam:	Mike Pyburn	Traineenam:	Not Reported
Tnum:	Not Reported		
Comments:	^ch		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000333103		
Latitude:	29.596388		
Longitude:	-95.326943		

U71
WSW
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000009036**

Fid:	9035		
Permittee:	Poikayil Investment Group, LLC		
Wellowner:	Poikayil Investment Group, LLC		
Permitaggl:	9391		
Wellno:	9391		
Attn:	Not Reported		
Correspond:	Not Reported	Address:	10814 Roller Mill Ln.
Address2:	Not Reported	City:	Sugar Land
State:	TX	Zip:	77478
Usage:	D	County:	H
Latd:	29		
Latm:	35		
Lats:	51		
Lond:	95		
Lonm:	21		
Lons:	9		
Latdd:	29.5975		
Londd:	-95.3525		
Statequadr:	30		
Stateblock:	65		

Stateni:	1		
Diameter:	5		
Yeardrill:	2003		
Totaldepth:	420		
Depthfirst:	400		
Newregulat:	2		
Endmo:	12		
Alloc:	5		
Altwater:	0		
Demand:	5		
Begindate:	01/01/12	Enddate:	12/31/16
Agg2013:	1		
Pump2013:	4441		
Wellpump20:	4441		
Agg2012:	1		
Pump2012:	843000		
Wellpump 1:	843000		
Agg2011:	1		
Pump2011:	41095		
Wellpump 2:	0		
Agg2010:	1		
Pump2010:	246530		
Wellpump 3:	246530		
Agg2009:	1		
Pump2009:	174360		
Wellpump 4:	174360		
Agg2008:	1		
Pump2008:	232380		
Wellpump 5:	232380		
Agg2007:	1		
Pump2007:	19598		
Wellpump 6:	19598		
Agg2006:	1		
Pump2006:	218870		
Wellpump 7:	218870		
Agg2005:	1		
Pump2005:	231362		
Wellpump 8:	231362		
Agg2004:	1		
Pump2004:	439527		
Wellpump 9:	439527		
Agg2003:	1		
Pump2003:	0		
Wellpum 10:	0		
Agg2002:	0		
Pump2002:	0		
Wellpum 11:	0		
Agg2001:	0		
Pump2001:	0		
Wellpum 12:	0		
Agg2000:	0		
Pump2000:	0		
Wellpum 13:	0		
Agg1999:	0		
Pump1999:	0		
Wellpump19:	0		
Agg1998:	0		
Pump1998:	0		
Wellpum 14:	0		
Agg1997:	0		

Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0
Pump1978:	0
Wellpum 25:	0
Agg1977:	0
Pump1977:	0
Wellpum 26:	0
Agg1976:	0
Pump1976:	0
Wellpum 27:	0
Inspector: krodriguez	Inspected: 09-JAN-12
Site id: TXGH40000009036	

U72
WSW
1/2 - 1 Mile
Higher

TX WELLS **TXMON3000018706**

Dateentere:	24-APR-03	Ownname:	HOANG DUY HUNG
Ownstreet:	2702 SUNFISH DR		
Owncity:	PEARLAND	Ownstate:	TX
Ownzip:	77584	County:	Harris
Wellstreet:	14519 CULLEN BLVD		
Wellcity:	HOUSTON	Wellzip:	77047
Own:	Not Reported		
Lat dec:	29.597499		
Long dec:	-95.3525		
Elev:	0		

Brandmodel:	315 MAGELLAN GPS		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	Twn:	1
Twd:	0	Twr:	0
Twrp:	0	Twrg:	0
Um:	0	Ue:	0
Ud:	0	Uin:	0
Uir:	0	Ug:	0
Uij:	0	Up:	1
Udw:	0	Ut:	0
Us:	0	Uf:	0
Pby:	0	Pbn:	0
Datestart:	17-APR-03	Datecomp:	18-APR-03
Dia1:	8	Dia1to:	360
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	0	Dmairrotar:	0
Dmmudrotar:	1	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	0
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	1	Bcot:	2 STRING
Gpf:	Not Reported	Gpt:	Not Reported
Cemfrom1:	340	Cemto1:	0
Nosacks1:	28	Cemfrom2:	0
Cemto2:	10	Nosacks2:	10
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	HALLIBURTON
Cementby:	SDI	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	TO BE INSTALL
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	0	Watlev:	160
Watlevdate:	18-APR-03	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	1
Tpcylinder:	0	Tpotherck:	0
Tpother:	Not Reported	Pumpbowlde:	Not Reported
Wtpump:	0	Wtbailer:	0
Wtjetted:	1	Wtestimate:	0
Welltestyi:	80	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	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	SCOTT DRILLING INC
Drllicno:	4839		
Compstreet:	11923 GREEN PINE CIRCLE	Compcity:	HOUSTON
Compstate:	TX	Compzip:	77066
Drillernam:	SCOTT ROBINSON	Traineenam:	DJ JUNEAU
Tnum:	Not Reported		
Comments:	Not Reported		

Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000018706		
Latitude:	29.597499		
Longitude:	-95.3525		

V73
NNE **TX WELLS** **TXGH40000003652**
1/2 - 1 Mile
Lower

Fid:	3651		
Permittee:	HARRIS CO. W.C.&I.D. 89		
Wellowner:	HARRIS CO. W.C.&I.D. 89		
Permitaggl:	3952		
Wellno:	4000		
Attn:	FRANK WEBSTER		
Correspond:	WEBSTER ENGINEERS, INC.	Address:	9525 Katy Freeway, Suite 313
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77024
Usage:	P	County:	H
Latd:	29		
Latm:	37		
Lats:	0		
Lond:	95		
Lonm:	20		
Lons:	1		
Latdd:	29.616666		
Londd:	-95.333611		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	16		
Yeardrill:	1987		
Totaldepth:	1200		
Depthfirst:	700		
Newregulat:	2		
Endmo:	4		
Alloc:	20		
Altwater:	0		
Demand:	20		
Begindate:	05/01/86	Enddate:	04/30/87
Agg2013:	0		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	0		
Pump2011:	0		
Wellpump 2:	0		
Agg2010:	0		
Pump2010:	0		
Wellpump 3:	0		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		

Pump2007:	0
Wellpump 6:	0
Agg2006:	0
Pump2006:	0
Wellpump 7:	0
Agg2005:	0
Pump2005:	0
Wellpump 8:	0
Agg2004:	0
Pump2004:	0
Wellpump 9:	0
Agg2003:	0
Pump2003:	0
Wellpum 10:	0
Agg2002:	0
Pump2002:	0
Wellpum 11:	0
Agg2001:	0
Pump2001:	0
Wellpum 12:	0
Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0

Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	C	Inspected:	03-JUN-87
Site id:	TXGH40000003652		

W74
SE
1/2 - 1 Mile
Lower

TX WELLS **TXPLU3000078735**

Plugtrackn:	79966		
Dateentere:	21-FEB-12	Ownname:	Dominic Fan
Ownstreet:	12315 Roy Rd.	Owncity:	Pearland
Ownstate:	TX	Ownzip:	77581
Wellstreet:	12315 Roy Rd.		
Wellcity:	Pearland	Wellzip:	77581
County:	Brazoria		
Latitude:	293547		
Lat dec:	29.596388		
Longitude:	951936		
Long dec:	-95.326666		
Brmod:	Not Given		
Gn:	65302		
Gn1:	65	Gn75:	30
Gn25:	2	Ownwellno:	Not Reported
Typewater:	1	Typemon:	0
Typeinj:	0	Typedw:	0
Histdrille:	Not Reported	Histdrllic:	Not Reported
Histdatedr:	Not Reported	Histtracki:	Not Reported
Histdiamin:	2	Histdepth:	85
Plugdate:	27-JAN-12		
Plugmethco:	^EAD		
Plugopname:	Mike Pyburn		
Plugoplic:	2843		
Plugmeth1:	0	Plugmeth2:	0
Plugmeth3:	1	Plugmeth4:	0
Plugmethot:	0	Plugvar:	Not Reported
Cdiam1:	2	Cfrom1:	0
Cto1:	85	Cdiam2:	Not Reported
Cfrom2:	Not Reported	Cto2:	Not Reported
Cdiam3:	Not Reported	Cfrom3:	Not Reported
Cto3:	Not Reported	Cbfrom1:	0
Cbto1:	85	Cbsacks1:	2 Hole Plug 1 Sacrete
Cbfrom2:	Not Reported	Cbto2:	Not Reported
Cbsacks2:	Not Reported	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:	Almeda Water Well Service	Compstreet:	19322 Hyw. 6

Compcity:	Manvel	Compstate:	TX
Compzip:	77578	Nameassig:	Mike Pyburn
Traineenam:	Not Reported	Tnum:	Not Reported
Deleted:	0	Site id:	TXPLU3000078735

75
North
1/2 - 1 Mile
Lower

TX WELLS **TXPLU3000089089**

Plugtrackn:	90478		
Dateentere:	17-OCT-13	Ownname:	Geotest Engineering
Ownstreet:	5600 Bintliff	Owncity:	Houston
Ownstate:	TX	Ownzip:	77036
Wellstreet:	4949 Glengarry Dr		
Wellcity:	Houston	Wellzip:	77048
County:	Harris		
Latitude:	293704		
Lat dec:	29.617777		
Longitude:	952016		
Long dec:	-95.337777		
Brmod:	Magellan		
Gn:	65301		
Gn1:	65	Gn75:	30
Gn25:	1	Ownwellno:	GB-10
Typewater:	0	Typemon:	1
Typeinj:	0	Typedw:	0
Histdrille:	Mario Gonzalez	Histdrllic:	Not Reported
Histdatedr:	22-JUL-13	Histtracki:	338173
Histdiamin:	4	Histdepth:	25’
Plugdate:	14-OCT-13		
Plugmethco:	Amended at request of driller. Unable to utilize amendment request functionality - 10/28/13 DT		
Plugopname:	Mario Gonzalez		
Plugoplic:	58171		
Plugmeth1:	1	Plugmeth2:	0
Plugmeth3:	0	Plugmeth4:	0
Plugmethot:	0	Plugvar:	Not Reported
Cdiam1:	Not Reported	Cfrom1:	Not Reported
Cto1:	Not Reported	Cdiam2:	Not Reported
Cfrom2:	Not Reported	Cto2:	Not Reported
Cdiam3:	Not Reported	Cfrom3:	Not Reported
Cto3:	Not Reported	Cbfrom1:	0
Cbto1:	2	Cbsacks1:	Concrete
Cbfrom2:	2	Cbto2:	25
Cbsacks2:	Grout/Cement	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:	Envirotech Drilling Services	Compstreet:	2718 S. Brompton Drive
Compcity:	Pearland	Compstate:	TX
Compzip:	77584	Nameassig:	Jaime Vasquez
Traineenam:	Mario Gonzalez	Tnum:	Not Reported
Deleted:	0	Site id:	TXPLU3000089089

Map ID Direction Distance Elevation		Database	EDR ID Number
76 SW 1/2 - 1 Mile Higher		**TX WELLS**	**TXGH40000005261**

Fid:	5260		
Permittee:	HOUSTON SHELL & CONCRETE		
Wellowner:	HOUSTON SHELL & CONCRETE		
Permitaggl:	5199		
Wellno:	5199		
Attn:	DON FEES		
Correspond:	Not Reported	Address:	P.O. Box 348
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77001
Usage:	I	County:	H
Latd:	29		
Latm:	35		
Lats:	45		
Lond:	95		
Lonm:	21		
Lons:	6		
Latdd:	29.595833		
Londd:	-95.351666		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	6		
Yeardrill:	Not Reported		
Totaldepth:	0		
Depthfirst:	0		
Newregulat:	2		
Endmo:	10		
Alloc:	3.3		
Altwater:	0		
Demand:	3.3		
Begindate:	10/12/94	Enddate:	10/31/95
Agg2013:	0		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	0		
Pump2011:	0		
Wellpump 2:	0		
Agg2010:	0		
Pump2010:	0		
Wellpump 3:	0		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		

Pump2007:	0
Wellpump 6:	0
Agg2006:	0
Pump2006:	0
Wellpump 7:	0
Agg2005:	0
Pump2005:	0
Wellpump 8:	0
Agg2004:	0
Pump2004:	0
Wellpump 9:	0
Agg2003:	0
Pump2003:	0
Wellpum 10:	0
Agg2002:	0
Pump2002:	0
Wellpum 11:	0
Agg2001:	0
Pump2001:	0
Wellpum 12:	0
Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	1
Pump1995:	946000
Wellpum 17:	946000
Agg1994:	1
Pump1994:	557750
Wellpum 18:	557750
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0

Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	G	Inspected:	12-OCT-95
Site id:	TXGH40000005261		

X77
ENE
1/2 - 1 Mile
Higher

TX WELLS **TXMON3000052573**

Dateentere:	22-FEB-05	Ownname:	Edmond Thomas C/O Hibernia Bank
Ownstreet:	5718 Westheimer, Suite 100		
Owncity:	Houston	Ownstate:	TX
Ownzip:	77057	County:	Harris
Wellstreet:	West of Makawa Road		
Wellcity:	Houston	Wellzip:	77048
Own:	SB-2		
Lat dec:	29.608333		
Long dec:	-95.324166		
Elev:	0		
Brandmodel:	Magellan 315		
Gn:	65302		
Gn1:	65	Gn75:	30
Gn25:	2	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	28-JAN-05	Datecomp:	28-JAN-05
Dia1:	2	Dia1to:	28
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	1	Dmairrotar:	0
Dmmudrotar:	0	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	1
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	0	Bcot:	Not Reported
Gpf:	Not Reported	Gpt:	Not Reported
Cemfrom1:	0	Cemto1:	28
Nosacks1:	1 bentonite	Cemfrom2:	Not Reported

Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Not Reported
Cementby:	Alpine	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	0	Watlev:	Not Reported
Watlevdate:	Not Reported	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	0
Tpcylinder:	0	Tpotherck:	0
Tpother:	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:	1	Watertype:	Not Reported
Stratdepth:	Not Reported	Chemanaly:	1
Chemanaln:	0	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	Alpine Field Services
Drllicno:	3078		
Compstreet:	9095 Emmott	Compcity:	Houston
Compstate:	TX	Compzip:	77040
Drillernam:	Roger Miller	Traineenam:	Not Reported
Tnum:	Not Reported		
Comments:	Not Reported		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000052573		
Latitude:	29.608333		
Longitude:	-95.324166		

X78
ENE
1/2 - 1 Mile
Higher

TX WELLS **TXMON3000052572**

Dateentere:	22-FEB-05	Ownname:	Edmond Thomas C/O Hibernia Bank
Ownstreet:	5718 Westheimer, Suite 100		
Owncity:	Houston	Ownstate:	TX
Ownzip:	77057	County:	Harris
Wellstreet:	West of Makawa Road		
Wellcity:	Houston	Wellzip:	77048
Own:	SB-4		
Lat dec:	29.608333		
Long dec:	-95.324166		
Elev:	0		
Brandmodel:	Magellan 315		
Gn:	65302		
Gn1:	65	Gn75:	30
Gn25:	2	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	28-JAN-05	Datecomp:	28-JAN-05
Dia1:	2	Dia1to:	20
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	1	Dmairrotar:	0
Dmmudrotar:	0	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	1
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	0	Bcot:	Not Reported
Gpf:	Not Reported	Gpt:	Not Reported
Cemfrom1:	0	Cemto1:	20
Nosacks1:	1 bentonite	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Not Reported
Cementby:	Alpine	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	0	Watlev:	Not Reported
Watlevdate:	Not Reported	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	0
Tpcylinder:	0	Tpotherck:	0
Tpother:	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:	1	Watertype:	Not Reported
Stratdepth:	Not Reported	Chemanaly:	1
Chemanaln:	0	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	Alpine Field Services
Drllicno:	3078		
Compstreet:	9095 Emmott	Compcity:	Houston
Compstate:	TX	Compzip:	77040
Drillernam:	Roger Miller	Traineenam:	Not Reported
Tnum:	Not Reported		
Comments:	Not Reported		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000052572		
Latitude:	29.608333		
Longitude:	-95.324166		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

X79
ENE
1/2 - 1 Mile
Higher | **TX WELLS** | **TXMON3000052575**

Dateentere:	22-FEB-05	Ownname:	Edmond Thomas C/O Hibernia Bank
Ownstreet:	5718 Westheimer, Suite 100		
Owncity:	Houston	Ownstate:	TX
Ownzip:	77057	County:	Harris
Wellstreet:	West of Makawa Road		
Wellcity:	Houston	Wellzip:	77048
Own:	SB-3		
Lat dec:	29.608333		
Long dec:	-95.324166		
Elev:	0		
Brandmodel:	Magellan 315		
Gn:	65302		
Gn1:	65	Gn75:	30
Gn25:	2	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	28-JAN-05	Datecomp:	28-JAN-05
Dia1:	2	Dia1to:	28
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	1	Dmairrotar:	0
Dmmudrotar:	0	Dmbored:	0
Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	1
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	0	Bcot:	Not Reported
Gpf:	Not Reported	Gpt:	Not Reported
Cemfrom1:	0	Cemto1:	16
Nosacks1:	1 bentonite	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Not Reported
Cementby:	Alpine	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	0	Watlev:	Not Reported
Watlevdate:	Not Reported	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0

Tpjet:	0	Tpsubmersi:	0
Tpcylinder:	0	Tpotherck:	0
Tpother:	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:	1	Watertype:	Not Reported
Stratdepth:	Not Reported	Chemanaly:	1
Chemanaln:	0	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	Alpine Field Services
Drllicno:	3078		
Compstreet:	9095 Emmott	Compcity:	Houston
Compstate:	TX	Compzip:	77040
Drillernam:	Roger Miller	Traineenam:	Not Reported
Tnum:	Not Reported		
Comments:	Not Reported		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000052575		
Latitude:	29.608333		
Longitude:	-95.324166		

X80
ENE
1/2 - 1 Mile
Higher

TX WELLS **TXMON3000052574**

Dateentere:	22-FEB-05	Ownname:	Edmond Thomas C/O Hibernia Bank
Ownstreet:	5718 Westheimer, Suite 100		
Owncity:	Houston	Ownstate:	TX
Ownzip:	77057	County:	Harris
Wellstreet:	West of Makawa Road		
Wellcity:	Houston	Wellzip:	77048
Own:	SB-1		
Lat dec:	29.608333		
Long dec:	-95.324166		
Elev:	0		
Brandmodel:	Magellan 315		
Gn:	65302		
Gn1:	65	Gn75:	30
Gn25:	2	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	Uf:	0
Pby:	0	Pbn:	0
Datestart:	28-JAN-05	Datecomp:	28-JAN-05
Dia1:	2	Dia1to:	28
Dia2:	Not Reported	Dia2from:	Not Reported
Dia2to:	Not Reported	Dia3:	Not Reported
Dia3from:	Not Reported	Dia3to:	Not Reported
Dmdriven:	1	Dmairrotar:	0
Dmmudrotar:	0	Dmbored:	0

Dmairham:	0	Dmcabletoo:	0
Dmjetted:	0	Dmhollowst:	0
Dmrevcirc:	0	Dmotherck:	0
Dmother:	Not Reported	Bco:	1
Bcs:	0	Bcg:	0
Bcgs:	Not Reported	Bcu:	0
Bcoc:	0	Bcot:	Not Reported
Gpf:	Not Reported	Gpt:	Not Reported
Cemfrom1:	0	Cemto1:	28
Nosacks1:	1 bentonite	Cemfrom2:	Not Reported
Cemto2:	Not Reported	Nosacks2:	Not Reported
Cemfrom3:	Not Reported	Cemto3:	Not Reported
Nosacks3:	Not Reported	Cementmeth:	Not Reported
Cementby:	Alpine	Ds:	Not Reported
Dpl:	Not Reported	Dsv:	Not Reported
Appvar:	Not Reported	Scs:	0
Scsv:	0	Scp:	0
Sca:	0	Watlev:	Not Reported
Watlevdate:	Not Reported	Artflow:	Not Reported
Wellplug48:	0	Tpturbine:	0
Tpjet:	0	Tpsubmersi:	0
Tpcylinder:	0	Tpotherck:	0
Tpother:	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:	1	Watertype:	Not Reported
Stratdepth:	Not Reported	Chemanaly:	1
Chemanaln:	0	Undnatural:	0
Untype:	Not Reported	Undhydro:	0
Undhaz:	0	Undotherck:	0
Undother:	Not Reported		
Undcertify:	0	Compname:	Alpine Field Services
Drllicno:	3078		
Compstreet:	9095 Emmott	Compcity:	Houston
Compstate:	TX	Compzip:	77040
Drillernam:	Roger Miller	Traineenam:	Not Reported
Tnum:	Not Reported		
Comments:	Not Reported		
Confidenti:	0	Letterrecv:	Not Reported
Deleted:	0	Insdate:	Not Reported
Site id:	TXMON3000052574		
Latitude:	29.608333		
Longitude:	-95.324166		

X81
ENE
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000009399**

Fid:	9398		
Permittee:	All Day Concrete, Inc.		
Wellowner:	All Day Concrete, Inc.		
Permitaggl:	11627		
Wellno:	11627		
Attn:	Alfredo Rodriguez		
Correspond:	Not Reported	Address:	5621 Schumier Rd.
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77048
Usage:	D	County:	H

Latd:	29		
Latm:	36		
Lats:	30		
Lond:	95		
Lonm:	19		
Lons:	26		
Latdd:	29.608333		
Londd:	-95.323888		
Statequadr:	30		
Stateblock:	65		
Stateni:	2		
Diameter:	4		
Yeardrill:	2007		
Totaldepth:	2		
Depthfirst:	1		
Newregulat:	2		
Endmo:	12		
Alloc:	1.5		
Altwater:	0		
Demand:	1.5		
Begindate:	01/01/15	Enddate:	12/31/15
Agg2013:	1		
Pump2013:	10000000		
Wellpump20:	10000000		
Agg2012:	1		
Pump2012:	1000000		
Wellpump 1:	1000000		
Agg2011:	0		
Pump2011:	0		
Wellpump 2:	0		
Agg2010:	0		
Pump2010:	0		
Wellpump 3:	0		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		
Pump2007:	0		
Wellpump 6:	0		
Agg2006:	0		
Pump2006:	0		
Wellpump 7:	0		
Agg2005:	0		
Pump2005:	0		
Wellpump 8:	0		
Agg2004:	0		
Pump2004:	0		
Wellpump 9:	0		
Agg2003:	0		
Pump2003:	0		
Wellpum 10:	0		
Agg2002:	0		
Pump2002:	0		
Wellpum 11:	0		
Agg2001:	0		
Pump2001:	0		
Wellpum 12:	0		

Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0
Pump1978:	0
Wellpum 25:	0
Agg1977:	0
Pump1977:	0
Wellpum 26:	0
Agg1976:	0
Pump1976:	0
Wellpum 27:	0
Inspector:	EGonzalez
Inspected:	28-MAY-14
Site id:	TXGH40000009399

Y82
WNW
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000005951**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid:	5950		
Permittee:	Gray, R. D. & Charlesetta		
Wellowner:	Gray, R. D. & Charlesetta		
Permitaggl:	4536		
Wellno:	4536		
Attn:	Not Reported		
Correspond:	Not Reported	Address:	4122 Fuqua St.
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77047
Usage:	I	County:	H
Latd:	29		
Latm:	36		
Lats:	38		
Lond:	95		
Lonm:	21		
Lons:	13		
Latdd:	29.610555		
Londd:	-95.353611		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	4		
Yeardrill:	Not Reported		
Totaldepth:	320		
Depthfirst:	300		
Newregulat:	2		
Endmo:	9		
Alloc:	.2		
Altwater:	0		
Demand:	.2		
Begindate:	09/29/01	Enddate:	09/29/01
Agg2013:	0		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	0		
Pump2011:	0		
Wellpump 2:	0		
Agg2010:	0		
Pump2010:	0		
Wellpump 3:	0		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		
Pump2007:	0		
Wellpump 6:	0		
Agg2006:	0		
Pump2006:	0		
Wellpump 7:	0		
Agg2005:	0		
Pump2005:	0		
Wellpump 8:	0		
Agg2004:	0		
Pump2004:	0		

Wellpump 9:	0
Agg2003:	0
Pump2003:	0
Wellpum 10:	0
Agg2002:	0
Pump2002:	0
Wellpum 11:	0
Agg2001:	0
Pump2001:	0
Wellpum 12:	0
Agg2000:	1
Pump2000:	100000
Wellpum 13:	100000
Agg1999:	2
Pump1999:	100000
Wellpump19:	50000
Agg1998:	1
Pump1998:	100000
Wellpum 14:	100000
Agg1997:	2
Pump1997:	100000
Wellpum 15:	50000
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	1
Pump1993:	0
Wellpum 19:	0
Agg1992:	1
Pump1992:	100000
Wellpum 20:	100000
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0
Pump1978:	0
Wellpum 25:	0
Agg1977:	0
Pump1977:	0
Wellpum 26:	0
Agg1976:	0
Pump1976:	0
Wellpum 27:	0
Inspector:	vachord
Inspected:	15-MAY-12
Site id:	TXGH40000005951

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
Y83 **WNW** **1/2 - 1 Mile** **Higher**	**TX WELLS**	**TXGH40000007146**

Fid:	7145		
Permittee:	Cullen Auto/Gray's Auto		
Wellowner:	Cullen Auto/Gray's Auto		
Permitaggl:	6252		
Wellno:	6252		
Attn:	Not Reported		
Correspond:	Not Reported	Address:	13701 Cullen Blvd.
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77047
Usage:	D	County:	H
Latd:	29		
Latm:	36		
Lats:	36		
Lond:	95		
Lonm:	21		
Lons:	15		
Latdd:	29.61		
Londd:	-95.354166		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	2		
Yeardrill:	Not Reported		
Totaldepth:	0		
Depthfirst:	0		
Newregulat:	2		
Endmo:	12		
Alloc:	0		
Altwater:	0		
Demand:	0		
Begindate:	12/31/11	Enddate:	12/31/11
Agg2013:	0		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	1		
Pump2011:	0		
Wellpump 2:	0		
Agg2010:	1		
Pump2010:	5300		
Wellpump 3:	5300		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	1		
Pump2008:	34000		
Wellpump 5:	34000		
Agg2007:	1		

Pump2007:	1800
Wellpump 6:	1800
Agg2006:	1
Pump2006:	2750
Wellpump 7:	2750
Agg2005:	1
Pump2005:	0
Wellpump 8:	0
Agg2004:	1
Pump2004:	0
Wellpump 9:	0
Agg2003:	0
Pump2003:	0
Wellpum 10:	0
Agg2002:	0
Pump2002:	0
Wellpum 11:	0
Agg2001:	1
Pump2001:	0
Wellpum 12:	0
Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	0
Pump1999:	0
Wellpump19:	0
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	0
Pump1997:	0
Wellpum 15:	0
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	0
Pump1993:	0
Wellpum 19:	0
Agg1992:	0
Pump1992:	0
Wellpum 20:	0
Agg1991:	0
Pump1991:	0
Wellpum 21:	0
Agg1990:	0
Pump1990:	0
Wellpum 22:	0
Agg1989:	0
Pump1989:	0
Wellpum 23:	0
Agg1979:	0
Pump1979:	0
Wellpum 24:	0
Agg1978:	0

Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	vachord	Inspected:	05-DEC-12
Site id:	TXGH40000007146		

Y84
WNW
1/2 - 1 Mile
Higher

TX WELLS **TXGH40000005132**

Fid:	5131		
Permittee:	GRAY'S AUTO STORAGE		
Wellowner:	GRAY'S AUTO STORAGE		
Permitaggl:	4536		
Wellno:	4537		
Attn:	R.D. GRAY		
Correspond:	Not Reported	Address:	13701 Cullen Blvd.
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77047
Usage:	I	County:	H
Latd:	29		
Latm:	36		
Lats:	39		
Lond:	95		
Lonm:	21		
Lons:	14		
Latdd:	29.610833		
Londd:	-95.353888		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	4		
Yeardrill:	1979		
Totaldepth:	86		
Depthfirst:	66		
Newregulat:	2		
Endmo:	4		
Alloc:	1.8		
Altwater:	0		
Demand:	1.8		
Begindate:	08/01/97	Enddate:	04/30/99
Agg2013:	0		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	0		
Pump2011:	0		
Wellpump 2:	0		

Agg2010:	0
Pump2010:	0
Wellpump 3:	0
Agg2009:	0
Pump2009:	0
Wellpump 4:	0
Agg2008:	0
Pump2008:	0
Wellpump 5:	0
Agg2007:	0
Pump2007:	0
Wellpump 6:	0
Agg2006:	0
Pump2006:	0
Wellpump 7:	0
Agg2005:	0
Pump2005:	0
Wellpump 8:	0
Agg2004:	0
Pump2004:	0
Wellpump 9:	0
Agg2003:	0
Pump2003:	0
Wellpum 10:	0
Agg2002:	0
Pump2002:	0
Wellpum 11:	0
Agg2001:	0
Pump2001:	0
Wellpum 12:	0
Agg2000:	0
Pump2000:	0
Wellpum 13:	0
Agg1999:	2
Pump1999:	100000
Wellpump19:	50000
Agg1998:	0
Pump1998:	0
Wellpum 14:	0
Agg1997:	2
Pump1997:	100000
Wellpum 15:	50000
Agg1996:	0
Pump1996:	0
Wellpum 16:	0
Agg1995:	0
Pump1995:	0
Wellpum 17:	0
Agg1994:	0
Pump1994:	0
Wellpum 18:	0
Agg1993:	1
Pump1993:	0
Wellpum 19:	0
Agg1992:	1
Pump1992:	1000000
Wellpum 20:	1000000
Agg1991:	0
Pump1991:	0
Wellpum 21:	0

Agg1990:	0		
Pump1990:	0		
Wellpum 22:	0		
Agg1989:	0		
Pump1989:	0		
Wellpum 23:	0		
Agg1979:	0		
Pump1979:	0		
Wellpum 24:	0		
Agg1978:	0		
Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	vachord	Inspected:	19-DEC-06
Site id:	TXGH40000005132		

85
WSW **TX WELLS** **TXGH40000011896**
1/2 - 1 Mile
Higher

Fid:	11895		
Permittee:	INTERFIELD GROUP, THE		
Wellowner:	INTERFIELD GROUP, THE		
Permitaggl:	7756		
Wellno:	7756		
Attn:	KARIM KAREDIA		
Correspond:	Not Reported	Address:	7660 WOODWAY, Suite 300
Address2:	Not Reported	City:	Houston
State:	TX	Zip:	77063
Usage:	P	County:	H
Latd:	29		
Latm:	35		
Lats:	59		
Lond:	95		
Lonm:	21		
Lons:	18		
Latdd:	29.599722		
Londd:	-95.355		
Statequadr:	30		
Stateblock:	65		
Stateni:	1		
Diameter:	5		
Yeardrill:	Not Reported		
Totaldepth:	300		
Depthfirst:	200		
Newregulat:	2		
Endmo:	4		
Alloc:	1		
Altwater:	0		
Demand:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Begindate:	08/18/99	Enddate:	04/30/01
Agg2013:	0		
Pump2013:	0		
Wellpump20:	0		
Agg2012:	0		
Pump2012:	0		
Wellpump 1:	0		
Agg2011:	0		
Pump2011:	0		
Wellpump 2:	0		
Agg2010:	0		
Pump2010:	0		
Wellpump 3:	0		
Agg2009:	0		
Pump2009:	0		
Wellpump 4:	0		
Agg2008:	0		
Pump2008:	0		
Wellpump 5:	0		
Agg2007:	0		
Pump2007:	0		
Wellpump 6:	0		
Agg2006:	0		
Pump2006:	0		
Wellpump 7:	0		
Agg2005:	0		
Pump2005:	0		
Wellpump 8:	0		
Agg2004:	0		
Pump2004:	0		
Wellpump 9:	0		
Agg2003:	0		
Pump2003:	0		
Wellpum 10:	0		
Agg2002:	0		
Pump2002:	0		
Wellpum 11:	0		
Agg2001:	1		
Pump2001:	0		
Wellpum 12:	0		
Agg2000:	1		
Pump2000:	0		
Wellpum 13:	0		
Agg1999:	1		
Pump1999:	0		
Wellpump19:	0		
Agg1998:	0		
Pump1998:	0		
Wellpum 14:	0		
Agg1997:	0		
Pump1997:	0		
Wellpum 15:	0		
Agg1996:	0		
Pump1996:	0		
Wellpum 16:	0		
Agg1995:	0		
Pump1995:	0		
Wellpum 17:	0		
Agg1994:	0		
Pump1994:	0		

Wellpum 18:	0		
Agg1993:	0		
Pump1993:	0		
Wellpum 19:	0		
Agg1992:	0		
Pump1992:	0		
Wellpum 20:	0		
Agg1991:	0		
Pump1991:	0		
Wellpum 21:	0		
Agg1990:	0		
Pump1990:	0		
Wellpum 22:	0		
Agg1989:	0		
Pump1989:	0		
Wellpum 23:	0		
Agg1979:	0		
Pump1979:	0		
Wellpum 24:	0		
Agg1978:	0		
Pump1978:	0		
Wellpum 25:	0		
Agg1977:	0		
Pump1977:	0		
Wellpum 26:	0		
Agg1976:	0		
Pump1976:	0		
Wellpum 27:	0		
Inspector:	G	Inspected:	16-MAY-01
Site id:	TXGH40000011896		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
ESE
1/2 - 1 Mile

OIL_GAS **TXOG60000494406**

Surface id:	181204.00000	Well Type:	Dry Hole
Api:	201	Reliab:	15
Longn:	-95.33056	Latn:	29.60031
Site id:	TXOG60000494406		
Bottom id:	181204	Surface id:	181204
Well Type:	Dry Hole	Apinum:	42201
Out fips:	N	Reliab:	15
Cwellnum:	1	Radioact:	Not Reported
Longn:	-95.330563		
Latn:	29.6003085		

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
HARRIS	<.5	131	.0	.0	<.5	3.8

Federal EPA Radon Zone for HARRIS 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 HARRIS COUNTY, TX

Number of sites tested: 115

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.425 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 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, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Texas General Land Office
Telephone: 512-463-0745

HYDROGEOLOGIC INFORMATION

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

GEOLOGIC INFORMATION

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

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

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

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.

Brackish Resources Aquifer Characterization System Database
Source: Texas Water Development Board
TWDB's Brackish Resources Aquifer Characterization System (BRACS) designed to map and characterize the brackish aquifers of Texas in greater detail than previous studies. The information is contained in the BRACS Database and project data are summarized in a project report with companion geographic information system data files.

OTHER STATE DATABASE INFORMATION

Texas Oil and Gas Wells:
Source: Texas Railroad Commission
Telephone: 512-463-6882
Oil and gas well locations

PHYSICAL SETTING SOURCE RECORDS SEARCHED

RADON

State Database: TX Radon
Source: Department of Health
Telephone: 512-834-6688
Rinal Report of the Texas Indoor Radon Survey

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

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

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

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

STREET AND ADDRESS INFORMATION

GLO BW8 - State Veterans Home
8 N SAM HOUSTON PKWY E
Houston, TX 77048

Inquiry Number: 4613235.3
May 09, 2016

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

05/09/16

Site Name:

GLO BW8 - State Veterans Ho
8 N SAM HOUSTON PKWY E
Houston, TX 77048
EDR Inquiry # 4613235.3

Client Name:

Pape Dawson
500 W Seventh Street, Suite 350
Fort Worth, TX 76102
Contact: Stephanie Sunico

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Pape Dawson were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

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PO # 50887-00

Project GLO BW8 - State Veterans Home

UNMAPPED PROPERTY

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Central Registry Query - Regulated Entity Information

Regulated Entity Information

RN Number: RN105123814
Name: ALLISON RD
Primary Business: No primary business description on file.
Street Address: 5420 ALLISON RD, HOUSTON TX 77048 5202
County: HARRIS
Nearest City: HOUSTON
State: TX
Near ZIP Code: 77048
Physical Location: No physical location description on file.

Affiliated Customers - Current

Your Search Returned 2 Current Affiliation Records (View Affiliation History)

1-2 of 2 Records

CN Number	Customer Name	Customer Role	Details
CN603129503	STEVE DALLAS DBA DALLAS ENTERPRISE	OPERATOR	
CN603212309	US LIME COMPANY	OPERATOR	

Industry Type Codes

Code	Classification	Name
1442	SIC	Construction Sand and Gravel
3274	SIC	Lime
3295	SIC	Minerals and Earths

Permits, Registrations, or Other Authorizations

There are a total of 3 programs and IDs for this regulated entity. Click on a column name to change the sort order.

1-3 of 3 Records

Program ▲	ID Type	ID Number	ID Status
STORMWATER	PERMIT	TXR05AY80	CANCELLED
STORMWATER	PERMIT	TXR05R975	CANCELLED
STORMWATER	PERMIT	TXRNEV256	EXPIRED

Central Registry Query - Regulated Entity Information

Regulated Entity Information

RN Number: RN107329328
Name: 5055 SCHURMIER
Primary Business: No primary business description on file.
Street Address: 5055 SCHURMIER RD, HOUSTON TX 77048 5603
County: HARRIS
Nearest City: No near city on file.
State: TX
Near ZIP Code: No near zip code on file.
Physical Location: No physical location description on file.

Affiliated Customers - Current

Your Search Returned 1 Current Affiliation Records (View Affiliation History)

1-1 of 1 Records

CN Number	Customer Name	Customer Role	Details
CN604592527	SALMERON, WILLIAM	OWNER	

Industry Type Codes

Code	Classification	Name
No NAICS or SIC Codes on file.		

Permits, Registrations, or Other Authorizations

There is 1 program and ID for this regulated entity.

1-1 of 1 Records

Program	ID Type	ID Number	ID Status
ON SITE SEWAGE FACILITY	PERMIT	101-1020	ACTIVE

Central Registry Query - Regulated Entity Information

Regulated Entity Information

RN Number: RN108612292
Name: US LIME HOUSTON SLAKING FACILITY
Primary Business: LIME SLAKING FACILITY
Street Address: 5428 ALLISON RD, HOUSTON TX 77048 5202
County: HARRIS
Nearest City: HOUSTON
State: TX
Near ZIP Code: 77048
Physical Location: No physical location description on file.

Affiliated Customers - Current

Your Search Returned 1 Current Affiliation Records (View Affiliation History)

1-1 of 1 Records

CN Number	Customer Name	Customer Role	Details
CN603212309	US LIME COMPANY	OWNER OPERATOR	

Industry Type Codes

Code	Classification	Name
3274	SIC	Lime
4212	SIC	Local Trucking Without Storage

Permits, Registrations, or Other Authorizations

There are a total of 2 programs and IDs for this regulated entity. Click on a column name to change the sort order.

1-2 of 2 Records

Program ▲	ID Type	ID Number	ID Status
PETROLEUM STORAGE TANK REGISTRATION	REGISTRATION	88100	ACTIVE
STORMWATER	PERMIT	TXR05CM18	ACTIVE

2014 Drinking Water Quality Report

City of Houston

Department of Public Works and Engineering

En Español

Este informe incluye información importante sobre el agua potable. Si tiene preguntas o comentarios sobre éste informe, favor de llamar al tel.311 para hablar con una persona bilingüe en español.

About This Report

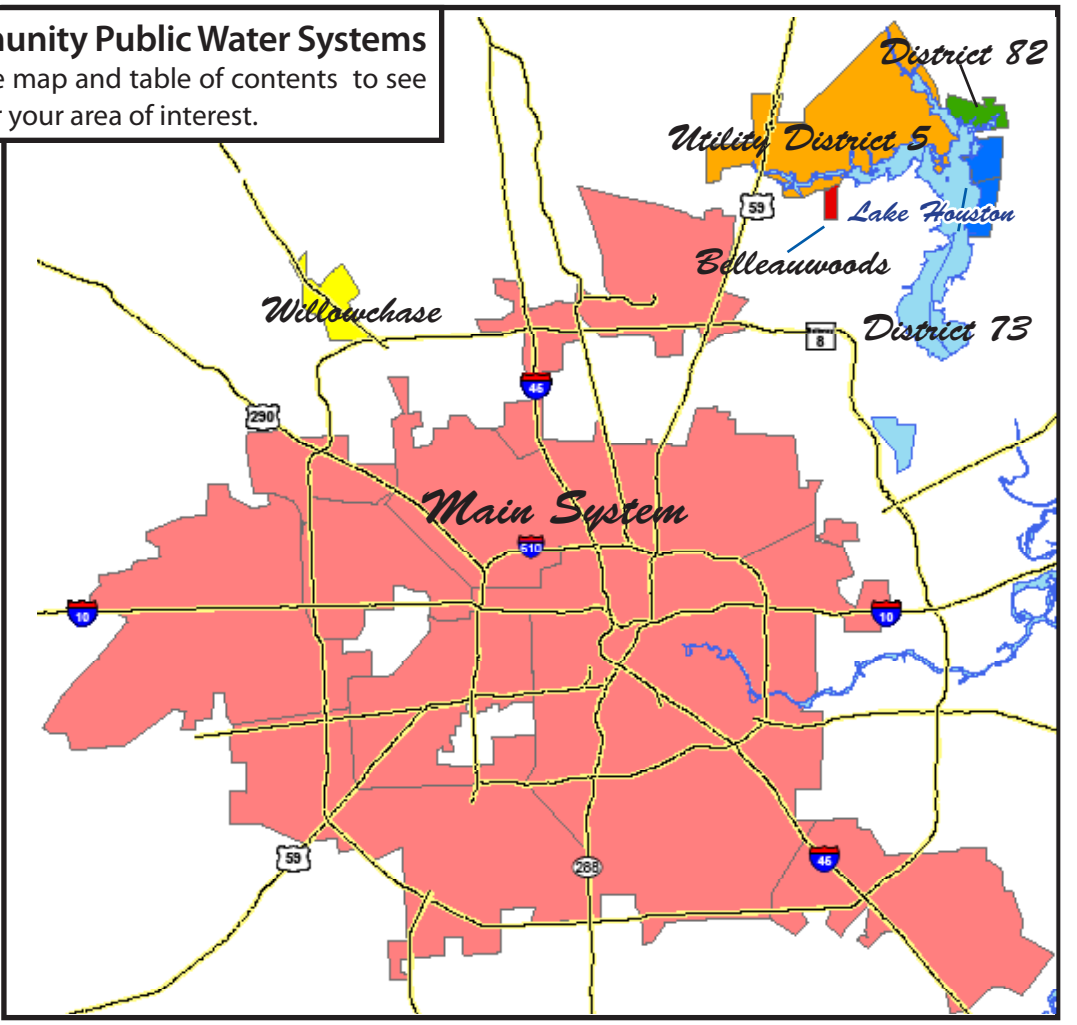
This Report lists all of the federally regulated or monitored contaminants which have been found in your drinking water. The U.S. Environmental Protection Agency (EPA) requires water systems to test for up to 97 contaminants. If a contaminant was reported in a prior year's report, but is not detected in this report year's samples, that contaminant has been removed from the list.

All drinking water may contain contaminants. When drinking water meets federal standards, there may not be any health based benefits to purchasing bottled water or point of use devices. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (1-800-426-4791).

Sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land and through the ground, it dissolves naturally-occurring minerals, and in some cases, radioactive material. It can also pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water before treatment include: microbes, inorganic contaminants, pesticides, herbicides, radioactive contaminants, and organic chemical contaminants.

The City of Houston 6 Community Public Water Systems are shown on the map here. Use the map and table of contents to see calendar year 2014 sample results for your area of interest.

TABLE OF CONTENTS



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

Definitions & Abbreviations

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

LRAA
Locational Running Annual Average - The average of results taken at a specific monitoring location during the previous four calendar quarters

MCLG
Maximum Contaminant Level Goal - The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety. Since MCLGs do not consider limits of detection and available treatment technology, sometimes they are set at a level below MCLs which water systems cannot meet. MCLGs are non-enforceable public health goals.

MCL
Maximum Contaminant Level - The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to maximum contaminant level goals as feasible using the best available treatment technology.

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

MRDL
Maximum Residual Disinfectant Level - The highest level of a disinfectant allowed in drinking water. There is convincing evidence the addition of a disinfectant is necessary for control of microbial contaminants.

N/A - Not Applicable

ND - Not Detected

NTU - nephelometric turbidity units
(a measure of turbidity)

pCi/L - picocuries per liter
(a measure of radioactivity)

ppm - parts per million,
or milligrams per liter (mg/L)

ppb - parts per billion,
or micrograms per liter (µg/L)

ppt - parts per trillion,
or nanograms per liter (ng/L)

TT
Treatment Technique - A required process intended to reduce the level of a contaminant in drinking water.

Contact Us

Questions or concerns about your water? *Contact 311.*

- Call 311
- Visit www.houstontx.gov/311
- Download the 311 app for iPhone and Android

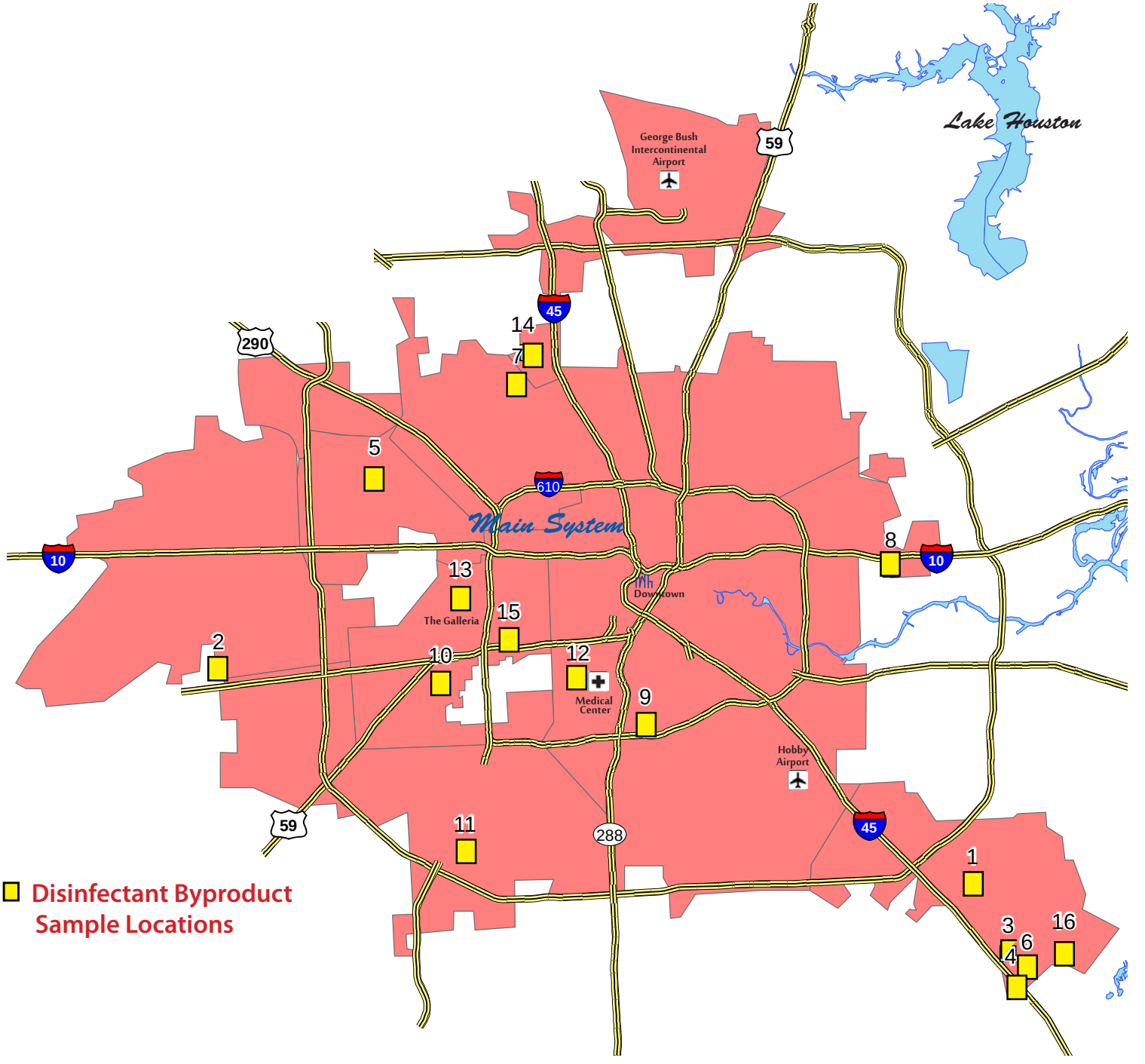
311 is Houston's non-emergency service center.
Customers may use 311 to notify us of any problems they may be experiencing and a water quality investigator will be dispatched within twenty-four hours to respond to and resolve the problem.

Main System

Public Water System ID 1010013

In 2014, the Main System produced an average of 446 million gallons of water every day: 91% from surface water treatment plants and 9% from groundwater plants.

- Surface water comes from the San Jacinto Riverthrough Lake Conroe and Lake Houston, and the Trinity River, through Lake Livingston and is treated at one of the system's three large surface water treatment plants.
- Groundwater is produced from the Evangeline and Chicot Aquifers by wells with depths greater than 750 feet.



Main System
2014 Sample Results

System Disinfection Parameters

	Regulatory Requirements		2014 Detections	
Chloramines (Disinfectant)	MRDLG	MRDL	Chloramine Levels	
			Avg	Max
	< 4.0 ppm	4.0 ppm	2.2	4.0
Total Coliform*	MCLG	MCL	Total Coliform Detections	
	0 detections	Presence of coliform bacteria in more than 5% of monthly samples	Highest monthly percentage of positive samples: 1.8%	
E.coli	MCLG	MCL	*E.coli* Detections	
	0 detections	A routine sample and repeat sample are Total Coliform positive, and one is also *E.coli* positive.	No MCL violations. Detected E.coli positive results in 2 routine samples, however repeat samples were all negative for *E.coli* and Total Coliform.	
Turbidity	TT (Treatment Technique)		Turbidity Measurements	
	95% or more of sample tested each month less than or equal to 0.3 NTU		Lowest monthly percentage of samples less than or equal to 0.3 NTU: 100% Highest Single Measurement: 0.3 NTU	

*Coliforms are bacteria naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. When coliform is detected the system is required to follow-up with additional sampling to confirm the integrity of the water or determine if there is a problem. All follow-up samples indicated the water was safe and free of coliform.

Disinfectant Byproduct Results

	Haloacetic Acids (ppb)			Total Trihalomethanes (ppb)		
	MCL*: 60 ppb			MCL*: 80 ppb		
Sample Location	Min	Avg	Max	Min	Avg	Max
1	17.4	27.5	39.8	20.8	33.6	42.8
2	14.1	23.7	36.0	19.3	28.2	34.0
3	19.0	27.0	31.9	9.8	25.9	33.9
4	12.6	26.6	46.8	24.9	33.0	40.9
5	19.2	28.5	36.5	19.2	29.8	36.5
6	15.6	26.2	39.7	17.4	30.9	38.3
7	20.5	25.6	29.7	25.4	29.1	32.5
8	14.2	26.6	38.9	17.7	29.2	36.2
9	19.2	30.2	50.0	24.6	32.0	39.1
10	2.6	10.5	25.1	6.3	14.5	23.2
11	18.6	26.9	32.2	26.2	30.5	36.9
12	18.2	32.1	50.1	29.9	35.1	41.0
13	14.4	27.5	35.7	18.7	30.8	35.1
14	16.5	29.3	39.8	28.9	35.5	45.6
15	18.3	27.9	34.0	9.2	29.2	43.4
16	11.1	24.3	40.2	24.1	33.3	41.8

***Compliance is based on locational running annual average (LRAA). The highest LRAA for Haloacetic Acids and Total Trihalomethanes is highlighted yellow.**

Main System
2014 Sample Results

	Regulatory Requirements		2014 Detections		
Inorganic Contaminant Results					
Contaminant (units)	**MCLG**	**MCL**	**Min**	**Avg**	**Max**
Arsenic (ppb)[1]	0	10	ND	1.4	4.4
Barium (ppm)	2	2	0.0	0.1	0.2
Cyanide (ppb)	200	200	ND	7	80
Selenium (ppb)	50	50	ND	1.0	11
Fluoride (ppm)	4	4	ND	0.27	0.43
Nitrate (ppm)	10	10	0.0	0.2	0.8
Lead (ppb) 2012[2]	0	AL = 90% below 15 ppb	90% below 3.72 ppb No sample above 15 ppb		
Copper (ppm) 2012[2]	1.3	AL = 90% below 1.3 ppm	90% below 0.255 ppm One sample above 1.3 ppm at 1.77 ppm		
Synthetic & Volatile Organic Contaminant Results					
Atrazine (ppb)	3	3	ND	0.2	0.6
Hexachlorocyclopentadiene (ppb)	50	50	ND	0.0	0.2
Ethylbenzene (ppb)	700	700	ND	0	0.6
Simazine (ppb)	4	4	ND	0.0	0.1
Xylenes (ppm)	10	10	ND	0.001	0.004
Radiological Contaminant Results					
Gross Alpha (pCi/L)	0	15	2.3	8.0	14.5
Gross Beta (pCi/L)	0	50	ND	2.6	7.2
Combined Radium (pCi/L)	0	5	ND	2.0	5.3
Combined Uranium (ppb)	0	30	ND	4.4	11.4

(1) Arsenic - While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

(2) Detected contaminants within the past five years - subject to reduced monitoring requirements.

(3) Combined Radium - Compliance for combined radium is based on a running annual average. A system is in compliance if the running annual average at each entry point remains below the MCL of 5 pCi/L. One reading was detected above 5pCi/L in 2014; however the running average for all entry points in the system remained below the MCL.

Unregulated Contaminants

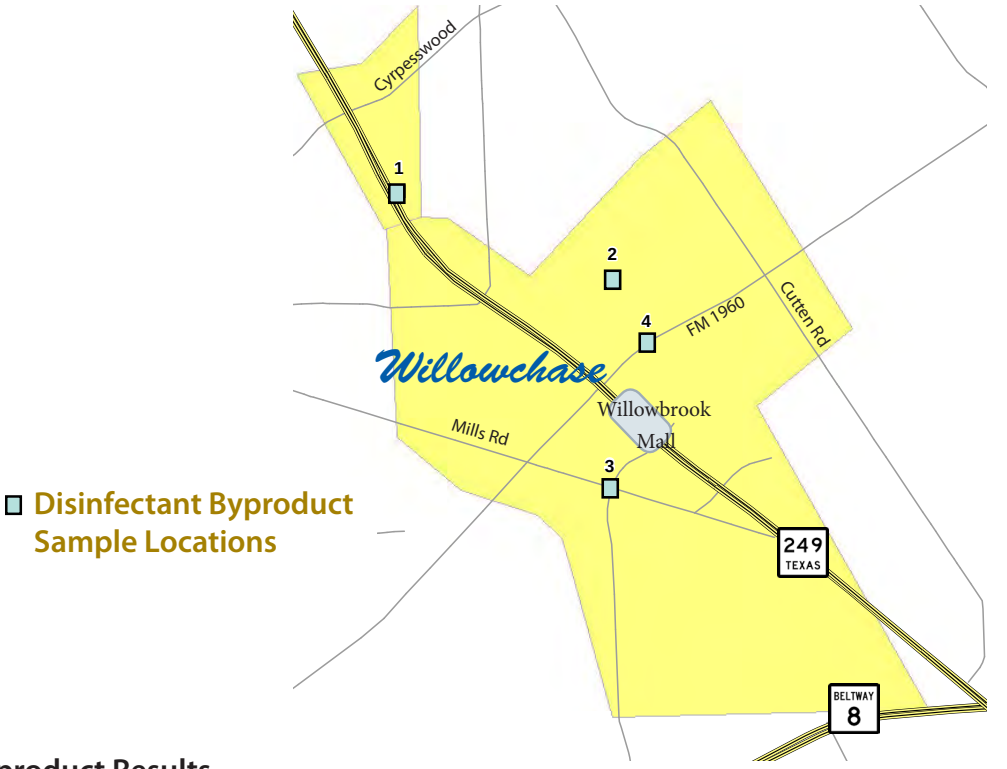
Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. Unregulated contaminants detected during 2014 are reported in the table below. For additional information and data visit http://water.epa.gov/lawsregs/rulesregs/sdwa/ucmr or call the Safe Drinking Water Hotline at (800) 426-4791.

Unregulated Contaminants

Contaminant (Units)	Min	Avg	Max
Chromium (µg/L)	ND	0.3	6.0
Molybdenum (µg/L)	ND	1	8
Strontium (µg/L)	ND	183	650
Vanadium (µg/L)	ND	1	13

Willowchase
Public Water System ID 1011902

The Willowchase water system provides water to approximately 13,500 people and relies solely on groundwater. Groundwater treatment plants receive water from 5 area wells. These wells draw water from the Evangeline and Chicot Aquifers, with typical depths greater than 750 feet. In 2014 this system provided an average of 2.2 million gallons per day to customers!



Disinfectant Byproduct Results

	Haloacetic Acids (ppb)			Total Trihalomethanes (ppb)		
	MCL*: 60 ppb			MCL*: 80 ppb		
Sample Location	Min	Avg	Max	Min	Avg	Max
1	0.0	3.6	14.3	0.0	1.6	4.5
2	0.0	2.0	7.9	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	4.0	16.0	0.0	2.5	10.0

*Compliance is based on locational running annual average (LRAA). The highest LRAA for Haloacetic Acids and Total Trihalomethanes is highlighted yellow.

System Disinfection Parameters

	Regulatory Requirements		2014 Detections	
Chlorine (Disinfectant)	MRDLG	MRDL	Chloramine Levels	
	< 4.0 ppm	4.0 ppm	Average	Maximum
			1.3	1.7
Total Coliform	MCLG	MCL	Total Coliform Detections	
	0 (zero) detections	Presence of coliform bacteria in more than 5% of monthly samples	0 (zero) samples were found positive for coliform bacteria in 2014.	

Inorganic Contaminant Results

	Regulatory Requirements		2014 Detections		
Contaminant (units)	**MCLG**	**MCL**	**Min**	**Avg**	**Max**
Arsenic (ppb) 2011[1][2]	0	10	2.50	2.55	2.60
Barium (ppm) 2011[1]	2	2	0.24	0.27	0.30
Selenium (ppb) 2011[1]	50	50	3.2	4.5	5.8
Fluoride (ppm)	4	4	0.12		
Nitrate (ppm)	10	10	0.20	0.21	0.23
Lead (ppb)	0	AL = 90% below 15 ppb	90% below 1.8 ppb No sample above 15 ppb		
Copper (ppm)	1.3	AL = 90% below 1.3 ppm	90% below 0.17 ppm No sample above 1.3 ppm		

Radiological Contaminant Results

Gross Alpha (pCi/L) 2012[1]	0	15	4.9

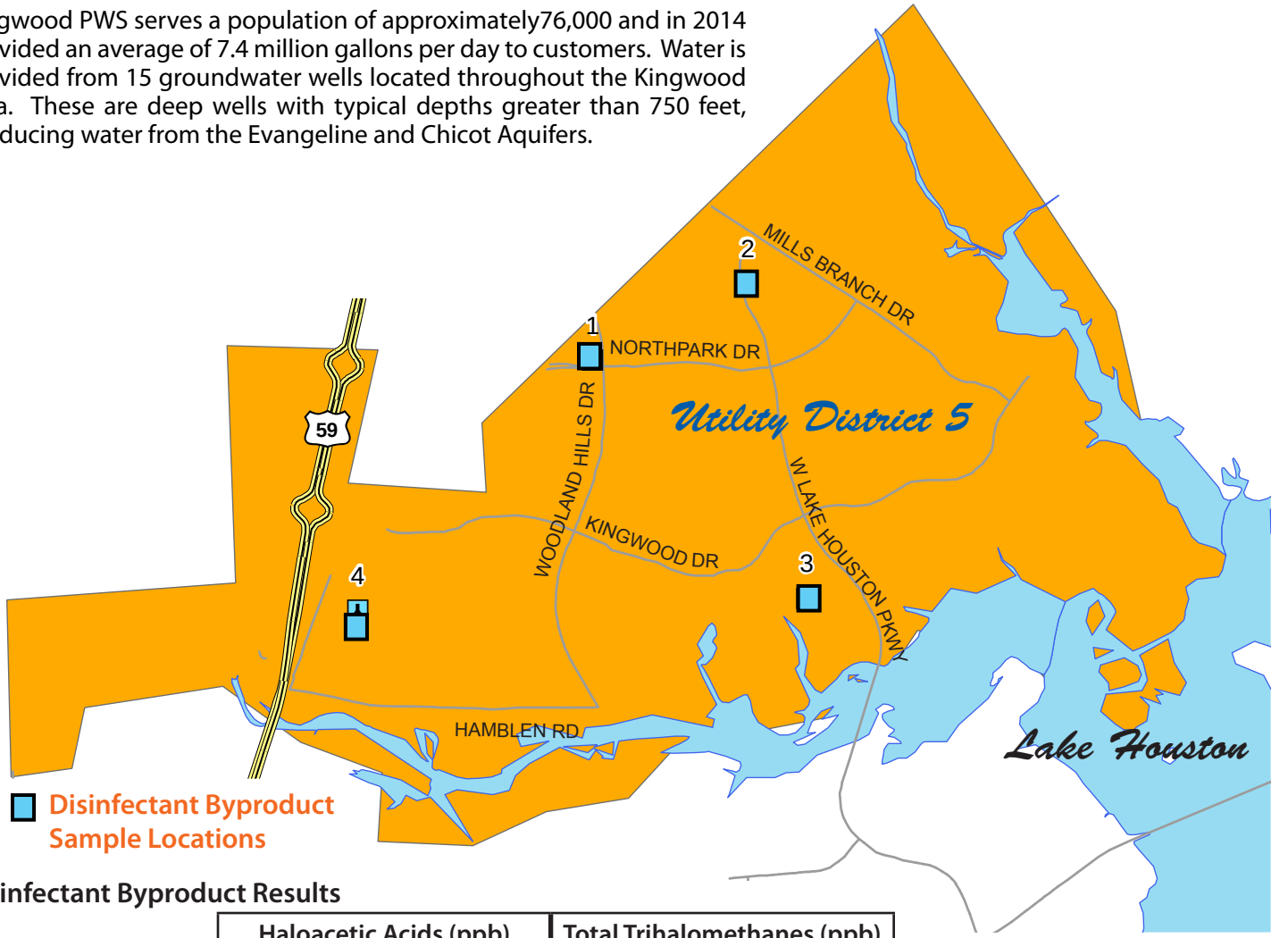
(1) Detected contaminants within the past five years - subject to reduced monitoring requirements.

(2) While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

KINGWOOD (UTILITY DISTRICT 5)

Public Water System ID 1010348

Kingwood PWS serves a population of approximately76,000 and in 2014 provided an average of 7.4 million gallons per day to customers. Water is provided from 15 groundwater wells located throughout the Kingwood area. These are deep wells with typical depths greater than 750 feet, producing water from the Evangeline and Chicot Aquifers.



Disinfectant Byproduct Results

	Haloacetic Acids (ppb)			Total Trihalomethanes (ppb)		
	MCL*: 60 ppb			MCL*: 80 ppb		
Sample Location	Min	Avg	Max	Min	Avg	Max
1	ND	ND	ND	ND	ND	ND
2	1.8	2.3	2.9	3.5	7.4	13.1
3	ND	ND	ND	ND	ND	ND
4	ND	ND	ND	ND	ND	ND

*Compliance is based on locational running annual average (LRAA). The highest LRAA for Haloacetic Acids and Total Trihalomethanes is highlighted yellow.

System Disinfection Parameters

	Regulatory Requirements		2014 Detections	
Chlorine (Disinfectant)	MRDLG	MRDL	Chloramine Levels	
	< 4.0 ppm	4.0 ppm	Average	Maximum
			1.3	2.4
Total Coliform*	MCLG	MCL	Total Coliform Detections	
	0 (zero) detections	Presence of coliform bacteria in more than 5% of monthly samples	Highest Monthly Percentage of positive samples: 2.0%	

*Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. When coliform is detected the system is required to follow-up with additional sampling to confirm the integrity of the water or determine if there is a problem. All follow-up samples indicated that the water was safe and free of coliform.

Kingwood
2014 Sample Results

	Regulatory Requirements		2014 Detections		

Inorganic Contaminant Results

Contaminant (units)	MCLG	MCL	Min	Avg	Max
Arsenic (ppb)[1]	0	10	ND	1.4	2.6
Barium (ppm)	2	2	0.26	0.27	0.28
Fluoride (ppm)	4	4	0.1	0.3	0.5
Nitrate (ppm)	10	10	ND	0.010	0.05
Lead (ppb) [2]	0	AL = 90% below 15 ppb	all lead samples were non-detect in 2014		
Copper (ppm) [2]	1.3	AL = 90% below 1.3 ppm	95% below 0.029 ppm No sample above 1.3 ppm		

Radiological Contaminant Results

Gross Alpha (pCi/L)	0	15	2.5	2.7	2.8
Uranium (ppb)	0	30	ND	0.8	1.5

(1) Arsenic - While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

(2) In 2014 The Kingwood System completed required sampling for lead and copper analysis, allowing the system to return to compliance with the Texas Commission on Environmental Quality (TCEQ) Lead and Copper Monitoring requirements. Thirty samples were collected for lead and copper in September 2014. No lead was detected in any of the samples. Copper detections met Federal and TCEQ standards for drinking water.

In February 2014, the Kingwood System notified customers of a Lead and Copper Monitoring violation for failure to collect the required number of samples for lead and copper analysis in 2012 and 2013. The violation was for failure to meet the sample schedule set by the TCEQ, and was not related to the level of lead and copper detected in the drinking water. The system returned to compliance when the required samples were collected in September 2014 and all results met Federal and TCEQ standards.

Unregulated Contaminants

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. Any unregulated contaminants detected in 2014 are reported in the table below. For additional information and data visit http://water.epa.gov/lawsregs/rulesregs/sdwa/ucmr or call the Safe Drinking Water Hotline at (800) 426-4791.

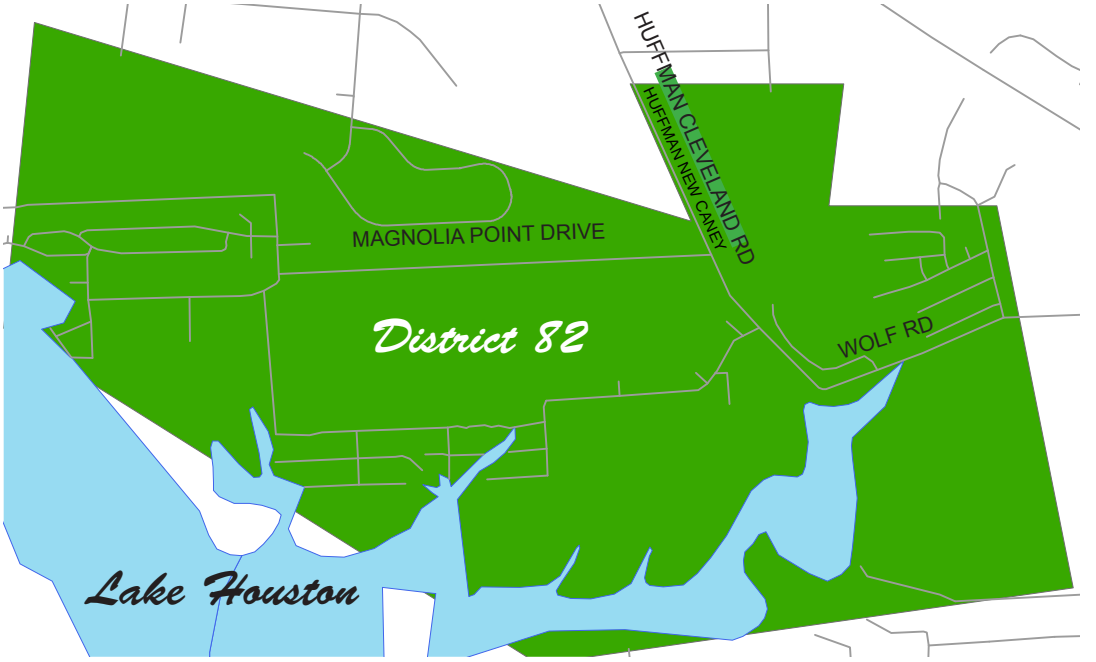
Unregulated Contaminants

Contaminant (Units)	Min	Avg	Max
Chromium (µg/L)	0	0	1.2
Molybdenum (µg/L)	0	1.9	4.4
Strontium (µg/L)	0	191	350
Vanadium (µg/L)	0	0.5	2.1

District 82

Public Water System ID 1011593

District 82 produced an average of 40 thousand gallons of water per day in 2014. This system provides for approximately 550 people and relies solely on groundwater from the Evangeline aquifer through 2 wells located in the area.



System Disinfection Parameters

	Regulatory Requirements		2014 Detections	
Chlorine (Disinfectant)	**MRDLG**	**MRDL**	**Chloramine Levels**	
	< 4.0 ppm	4.0 ppm	Average	Maximum
			1.2	1.8
Total Coliform	**MCLG**	**MCL**	**Total Coliform Detections**	
	0 (zero) detections	Presence of coliform bacteria in more than one sample per month	0 (zero) samples were found positive for coliform bacteria in 2014.	

Disinfectant Byproducts

	Regulatory Requirements		2014 Detections		
	MRDLG	**MRDL**	**Min**	**Avg**	**Max**
Total Haloacetic Acids 2013[1]	0	60	1.2	1.5	1.8
Total Trihalomethanes 2013[1]	0	80	4.9	5.4	5.8

Inorganic Contaminant Results

Contaminant (units)	MCLG	MCL	Min	Avg	Max
Barium (ppm) 2009[1]	2	2	0.1		
Fluoride (ppm) 2012[1]	4	4	0.1		
Nitrate (ppm)	10	10	0.2		
Lead (ppb) 2010[1]	0	AL = 90% below 15 ppb	90% below 2.6 ppb No sample above 15 ppb		
Copper (ppm) 2010[1]	1.3	AL = 90% below 1.3 ppm	90% below 0.041 ppm No sample above 1.3 ppm		

Radiological Contaminant Results

Gross Alpha (pCi/L) 2009[1]	0	15	2.2

(1) Detected contaminants within the past five years - subject to reduced monitoring requirements.

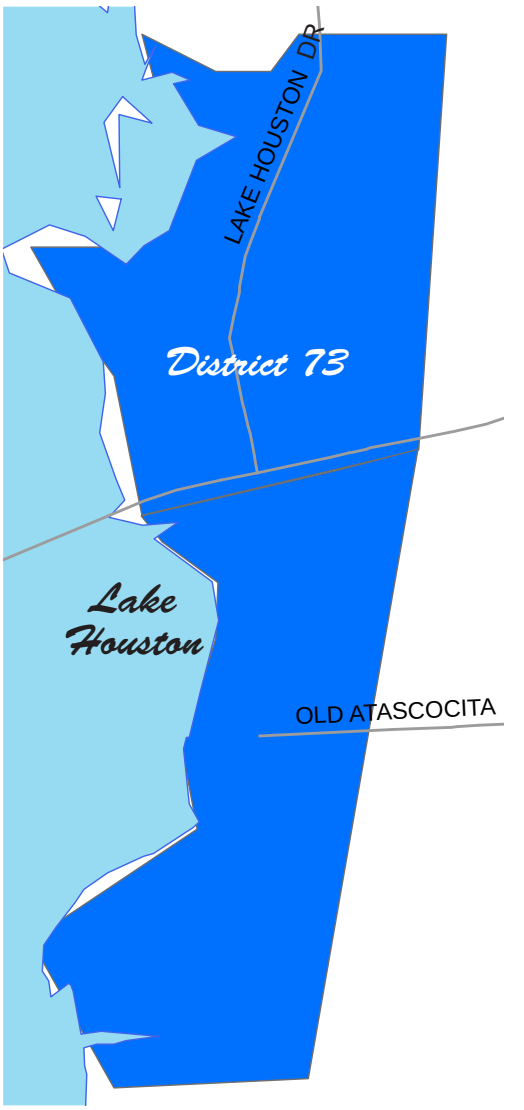
District 73

Public Water System ID 1011593

District 73 serves approximately 4,000 people, and provided 330 thousand gallons per day to customers, on average, in 2014. Tis system receives its water from 4 groundwater wells located throughout the area. These are deep wells with typical depths greater than 750 feet, producing water from the Evangeline and Chicot aquifers.

System Disinfection Parameters

	Regulatory Requirements		2014 Detections	
Chlorine (Disinfectant)	MRDLG	MRDL	Chloramine Levels	
			Average	Maximum
	< 4.0 ppm	4.0 ppm	1.1	1.8
Total Coliform	MCLG	MCL	Total Coliform Detections	
	0 (zero) detections	Presence of coliform bacteria in more than one sample per month	0 (zero) samples were found positive for coliform bacteria in 2014.	



Radiological Contaminant Results

Gross Alpha (pCi/L)	0	15	6.5
Combined Radium (pCi/L)	0	5	0.53
Combined Uranium (ppb)	0	30	3.5

Inorganic Contaminant Results

Contaminant (units)	MCLG	MCL	Min	Avg	Max
Arsenic (ppb)[1]	0	10	2.6		
Barium (ppm)	2	2	0.3		
Fluoride (ppm)	4	4	0.16	0.17	0.17
Nitrate (ppm)	10	10	ND	0.02	0.03
Lead (ppb)	0	AL = 90% below 15 ppb	90% below 3.3 ppb No sample above 15 ppb		
Copper (ppm)	1.3	AL = 90% below 1.3 ppm	90% below 0.18 ppm No sample above 1.3 ppm		

(1) Arsenic - While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

Belleauwoods

Public Water System ID 1011594

The Belleauwoods water system serves approximately 800 people and provided an average of 240 thousand gallons per day to customers in 2014. Source water for Belleauwoods includes purchased water from the City of Humble and groundwater from 2 wells located in the area. These are deep wells with typical depths greater than 750 feet, producing water from the Evangeline aquifer.

System Disinfection Parameters

	Regulatory Requirements		2014 Detections	
Chlorine (Disinfectant)	MRDLG	MRDL	Chloramine Levels	
			Average	Maximum
	< 4.0 ppm	4.0 ppm	1.1	3.5
Total Coliform	MCLG	MCL	Total Coliform Detections	
	0 (zero) detections	Presence of coliform bacteria in more than one sample per month	1 sample was found positive for coliform bacteria in 2014.	

Disinfectant Byproduct Results

	Haloacetic Acids (ppb)			Total Trihalomethanes (ppb)		
	MCL*: 60 ppb			MCL*: 80 ppb		
Sample Location	Min	Avg	Max	Min	Avg	Max
1	ND	8	20	5	10	21

*Compliance is based on locational running annual average (LRAA). The highest LRAA for Haloacetic Acids and Total Trihalomethanes is highlighted yellow.

Inorganic Contaminant Results

	Regulatory Requirements		2014 Detections		
Contaminant (units)	MCLG	MCL	Min	Avg	Max
Barium (ppm) 2012[1]	2	2		0.4	
Fluoride (ppm)	4	4		0.2	
Nitrate (ppm)	10	10	0.4	0.5	0.7
Selenium (ppb) 2012[1]	50	50		3.5	
Lead (ppb) 2009[1]	0	AL = 90% below 15 ppb		90% below 1.3 ppb No sample above 15 ppb	
Copper (ppm) 2009[1]	1.3	AL = 90% below 1.3 ppm		90% below 0.16 ppm No sample above 1.3 ppm	

Volatile Organic Contaminant Results

Ethylbenzene (ppb)	700	700	0.9
Toluene (ppm)	1	1	0.6
Xylenes (ppm)	10	10	3.8

(1) Detected contaminants within the past five years - subject to reduced monitoring requirements.

Contaminant Sources

Contaminant	Sources
Arsenic	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Asbestos	Erosion of natural deposits; corrosion of asbestos-cement water lines.
Atrazine	Runoff from herbicide used on row crops.
Barium	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Chlorine and Chloramines	Water additives used to control microbes.
Combined Radium	Erosion of natural deposits.
Combined Uranium	Erosion of natural deposits.
Copper	Corrosion of household plumbing systems; Erosion of natural deposits.
Ethylbenzene	Discharge from petroleum refineries.
Fluoride	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Gross Alpha	Erosion of natural deposits.
Gross Beta	Decay of natural and man-made deposits.

Contaminant	Sources
Hexachlorocyclopentadiene (HEX)	Discharge from chemical factories manufacturing pesticides, flame retardants, resins, dyes, pharmaceuticals, plastics, etc.
Lead	Corrosion of household plumbing systems; Erosion of natural deposits.
Nitrate / Nitrate	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.
Simazine	Herbicide runoff.
Toluene	Discharge from petroleum, plastics, paint, and pharmaceutical manufacturing.
Total Haloacetic Acids (HAAs)	By-product of drinking water disinfection.
Total Trihalomethanes (TTHMs)	By-product of drinking water disinfection.
Total Coliform	Naturally present in the environment.
Turbidity	Soil runoff.
Xylenes	Discharge from petroleum factories; Discharge from chemical factories.

Special Information on Lead in Drinking Water:
Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure. If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The City of Houston is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at www.epa.gov/safewater/lead.

The EPA has set limits for drinking water quality based on scientific studies and calculated risks.

For more information regarding the EPA limits, please visit:
http://water.epa.gov/lawsregs/rulesregs/sdwa/currentregulations.cfm.
For more information on EPA calculated risks and scientific studies visit:
http://water.epa.gov/scitech/drinkingwater/dws/ccl/index.cfm.

Public Participation Opportunities
Information on City Council meetings is available on the website for the Office of the City Secretary at:
www.houstontx.gov/citysec/
To find out more about Drinking Water Operations Education & Outreach group go to:
www.publicworks.houstontx.gov/pud/conservation.html

This Report is availble online at:
www.publicworks.houstontx.gov/wq2014

Past year's Water Quality Reports may be found online at:
www.publicworks.houstontx.gov/pud/consumer-confidence.html

GLO BW8 - State Veterans Home
8 N SAM HOUSTON PKWY E
Houston, TX 77048

Inquiry Number: 4613235.9
May 09, 2016

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

05/09/16

Site Name:

GLO BW8 - State Veterans Ho
8 N SAM HOUSTON PKWY E
Houston, TX 77048
EDR Inquiry # 4613235.9

Client Name:

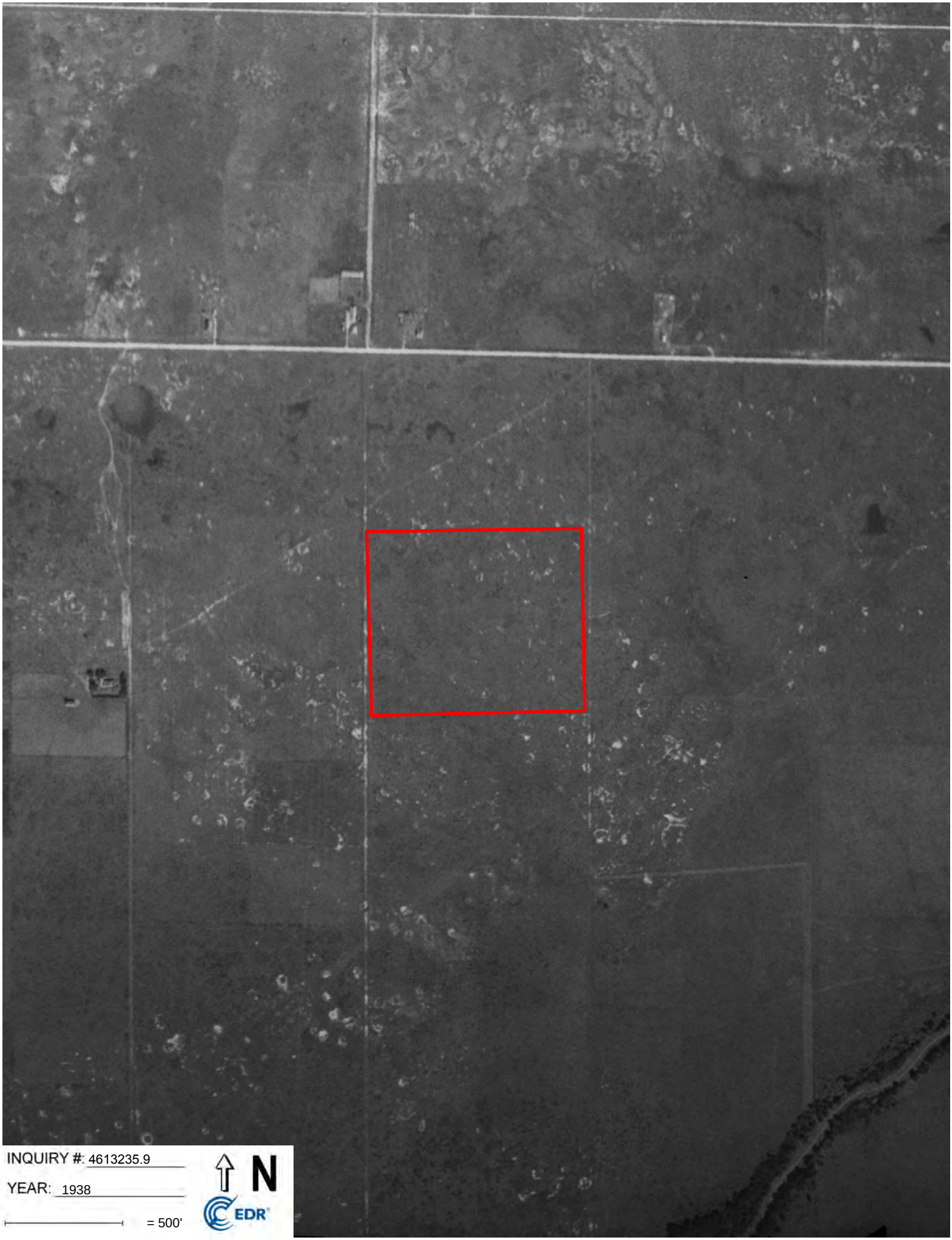
Pape Dawson
500 W Seventh Street, Suite 350
Fort Worth, TX 76102
Contact: Stephanie Sunico

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

Search Results:

Year	Scale	Details	Source
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1995	1"=500'	Acquisition Date: January, 19 1995	USGS/DOQQ
1989	1"=500'	Flight Date: October, 09 1989	USGS
1982	1"=500'	Flight Date: January, 31 1982	USGS
1979	1"=500'	Flight Date: March, 26 1979	USGS
1973	1"=500'	Flight Date: January, 22 1973	USGS
1969	1"=500'	Flight Date: May, 09 1969	USGS
1953	1"=500'	Flight Date: April, 26 1953	USGS
1944	1"=500'	Flight Date: April, 03 1944	USGS
1938	1"=500'	Flight Date: September, 19 1938	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.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EDR


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YEAR: 1944
= 500'
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EDR


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YEAR: 1953
= 500'
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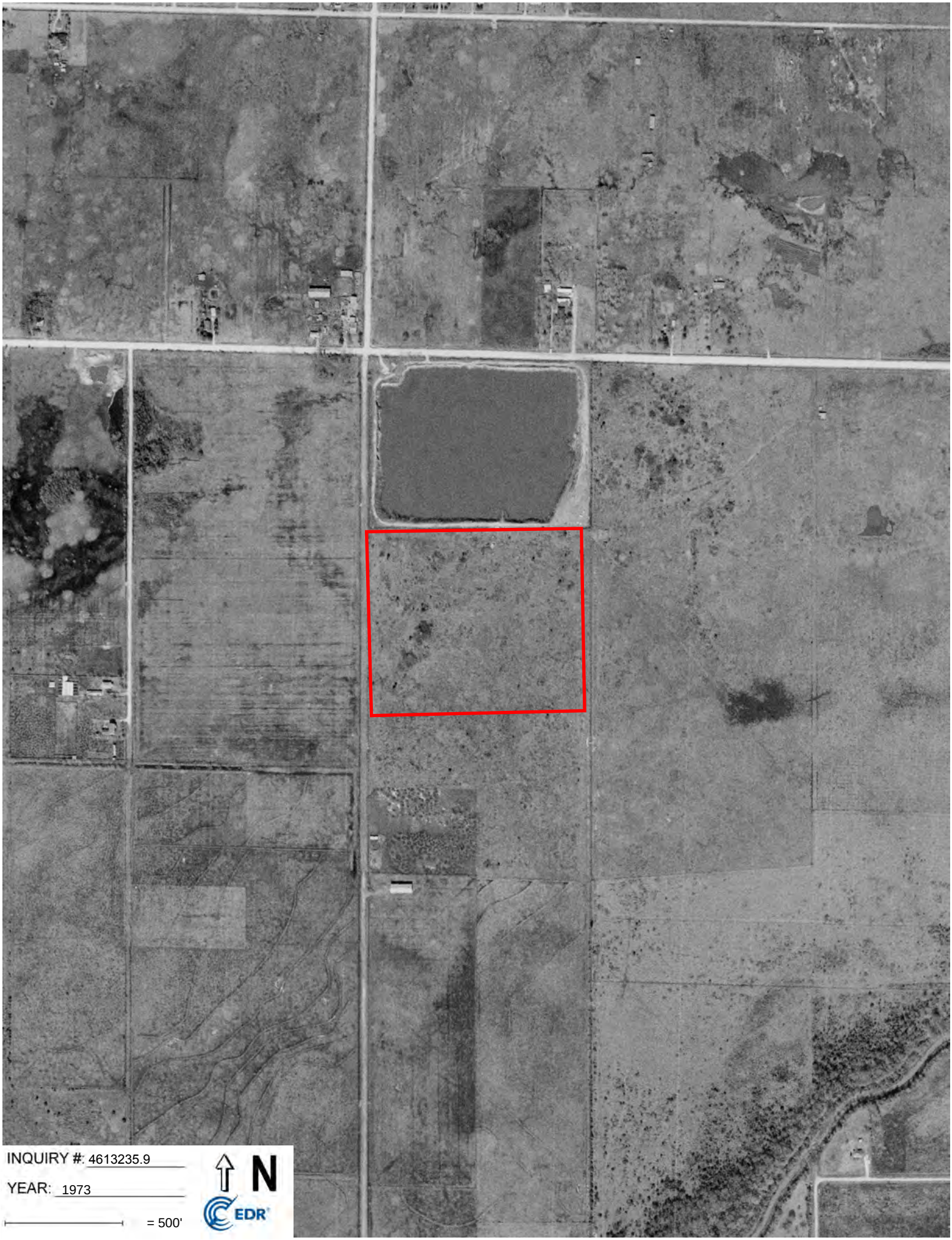
EDR


INQUIRY #: 4613235.9
YEAR: 1969
= 500'
N
EDR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YEAR: 1989
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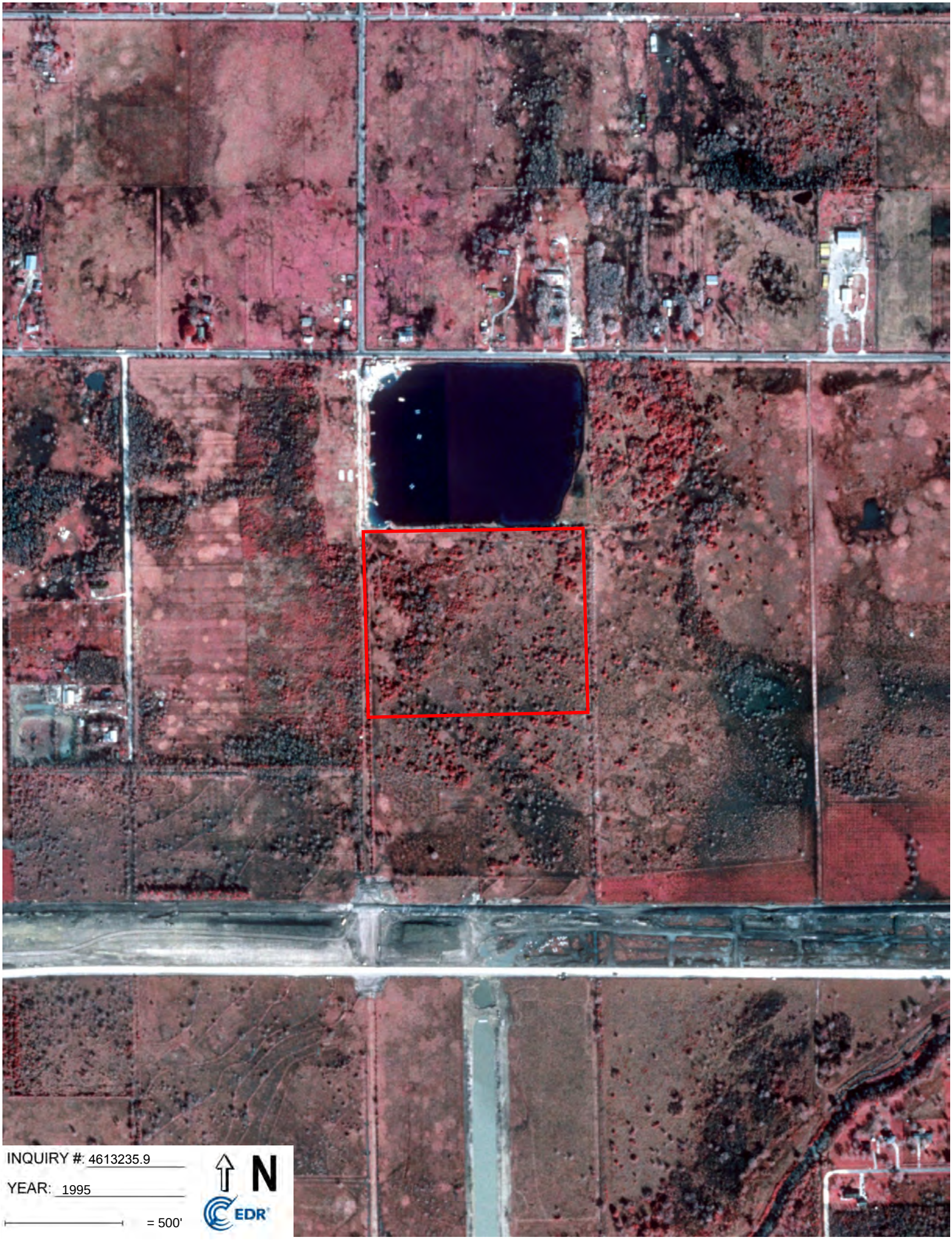
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YEAR: 2006
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EDR


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YEAR: 2008
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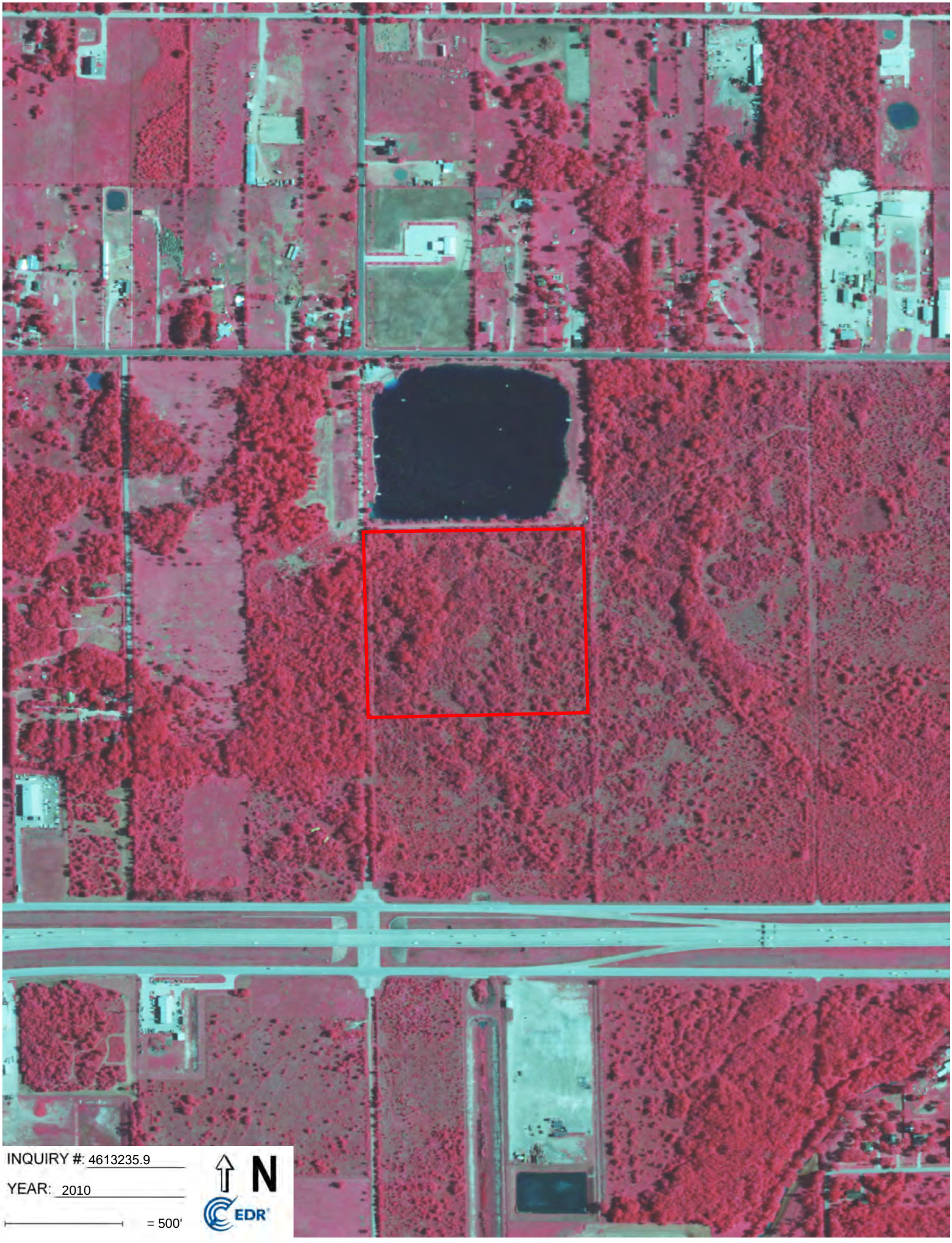
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YEAR: 2012
= 500'
N
EDR

GLO BW8 - State Veterans Home
8 N SAM HOUSTON PKWY E
Houston, TX 77048

Inquiry Number: 4613235.4
May 09, 2016

EDR Historical Topo Map Report

with QuadMatch™

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

EDR Historical Topo Map Report

05/09/16

Site Name:

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Houston, TX 77048
EDR Inquiry # 4613235.4

Client Name:

Pape Dawson
500 W Seventh Street, Suite 350
Fort Worth, TX 76102
Contact: Stephanie Sunico

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Pape Dawson were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 50887-00
Project: GLO BW8 - State Veterans Ho

Coordinates:

Latitude:	29.60421 29° 36' 15" North
Longitude:	-95.339248 -95° 20' 21" West
UTM Zone:	Zone 15 North
UTM X Meters:	273462.60
UTM Y Meters:	3277215.26
Elevation:	51.00' above sea level

Maps Provided:

2013
1995
1982
1969
1955
1920

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

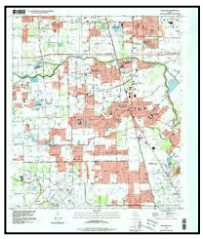
2013 Source Sheets

Park Place
2013
7.5-minute, 24000

Pearland
2013
7.5-minute, 24000

1995 Source Sheets

Park Place
1995
7.5-minute, 24000
Aerial Photo Revised 1995



Pearland
1995
7.5-minute, 24000
Aerial Photo Revised 1995

1982 Source Sheets

Park Place
1982
7.5-minute, 24000
Aerial Photo Revised 1976
Edited 1982

Pearland
1982
7.5-minute, 24000
Aerial Photo Revised 1976
Edited 1982

1969 Source Sheets

Pearland
1969
7.5-minute, 24000
Photo Revised 1969
Aerial Photo Revised 1969

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1955 Source Sheets

Pearland
1955
7.5-minute, 24000
Aerial Photo Revised 1953

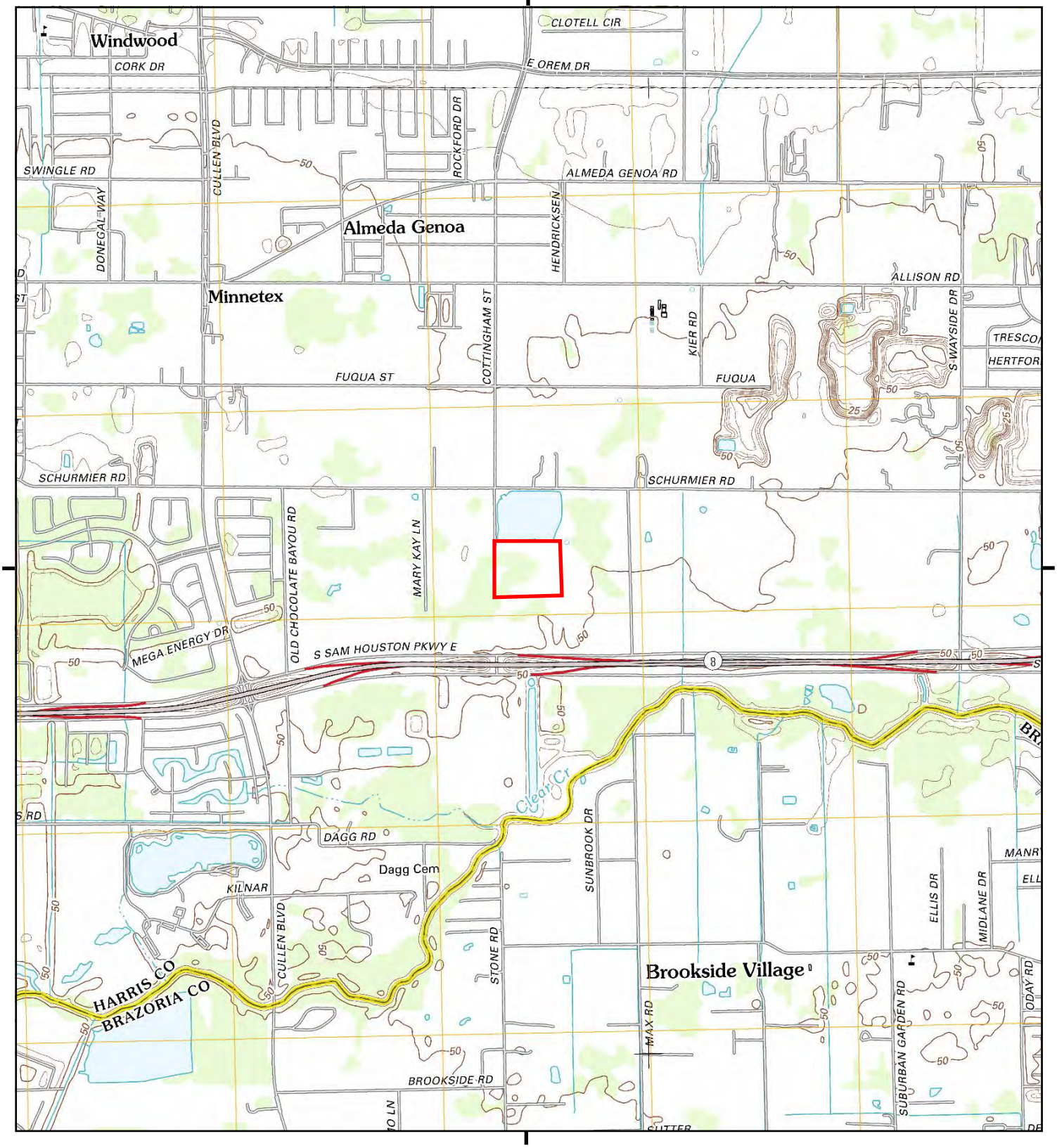
Park Place
1955
7.5-minute, 24000
Aerial Photo Revised 1953

1920 Source Sheets

Mykawa
1920
7.5-minute, 31680

Historical Topo Map

2013



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

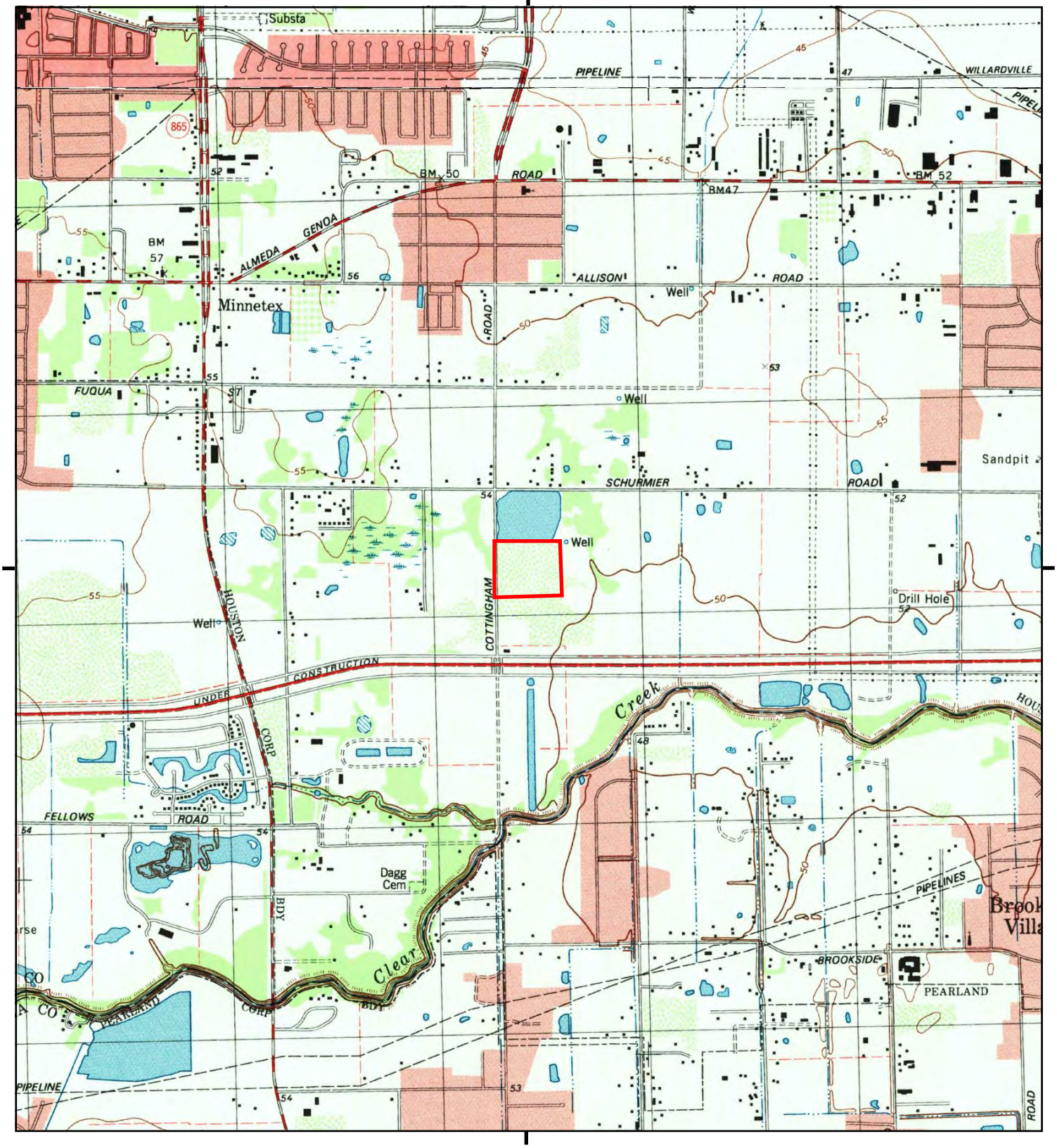
TP, Pearland, 2013, 7.5-minute
N, Park Place, 2013, 7.5-minute

SITE NAME: GLO BW8 - State Veterans Home
ADDRESS: 8 N SAM HOUSTON PKWY E
Houston, TX 77048
CLIENT: Pape Dawson

N

Historical Topo Map

1995



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Pearland, 1995, 7.5-minute
N, Park Place, 1995, 7.5-minute

SITE NAME: GLO BW8 - State Veterans Home
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Houston, TX 77048
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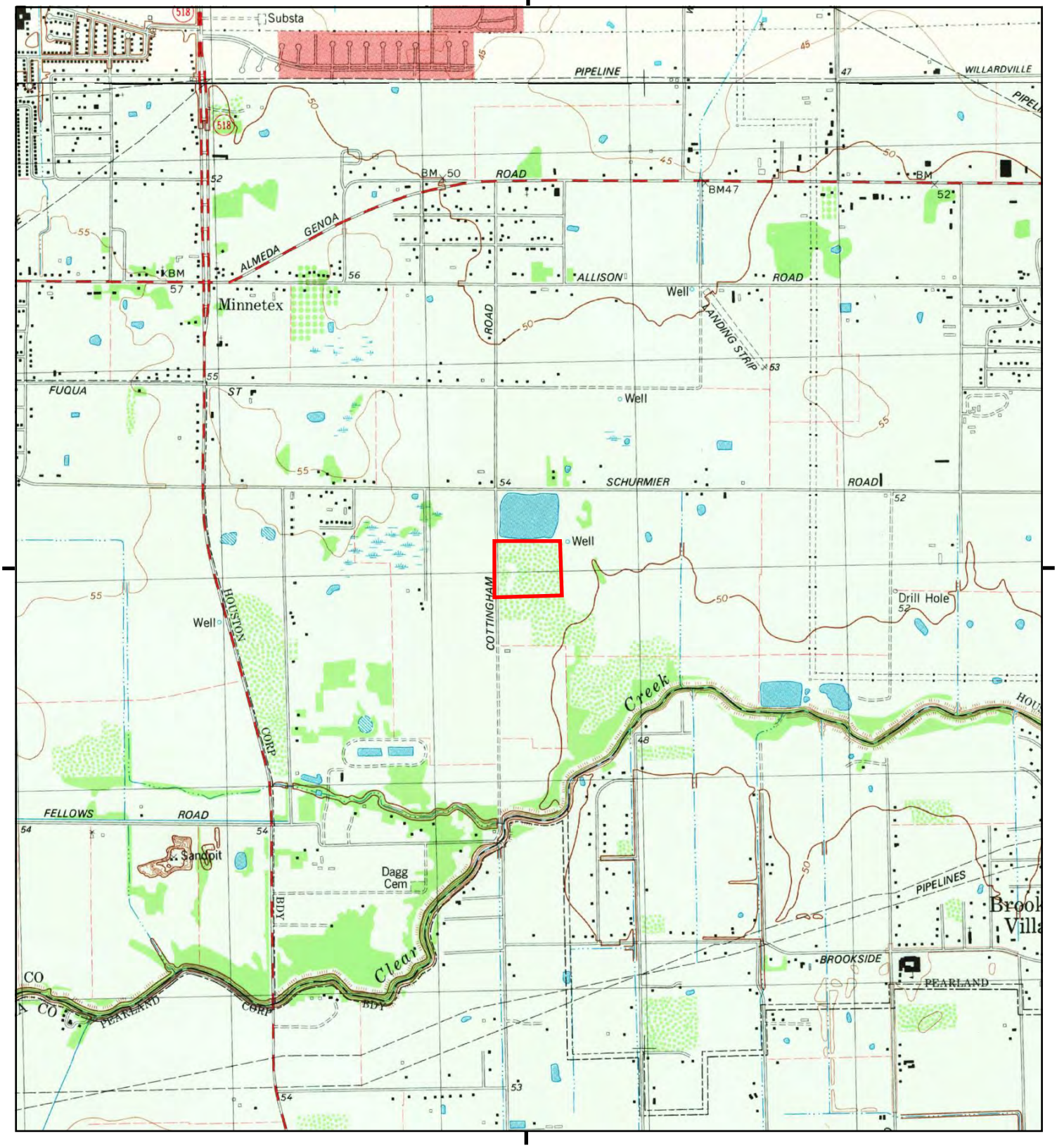
N

Historical Topo Map

1982



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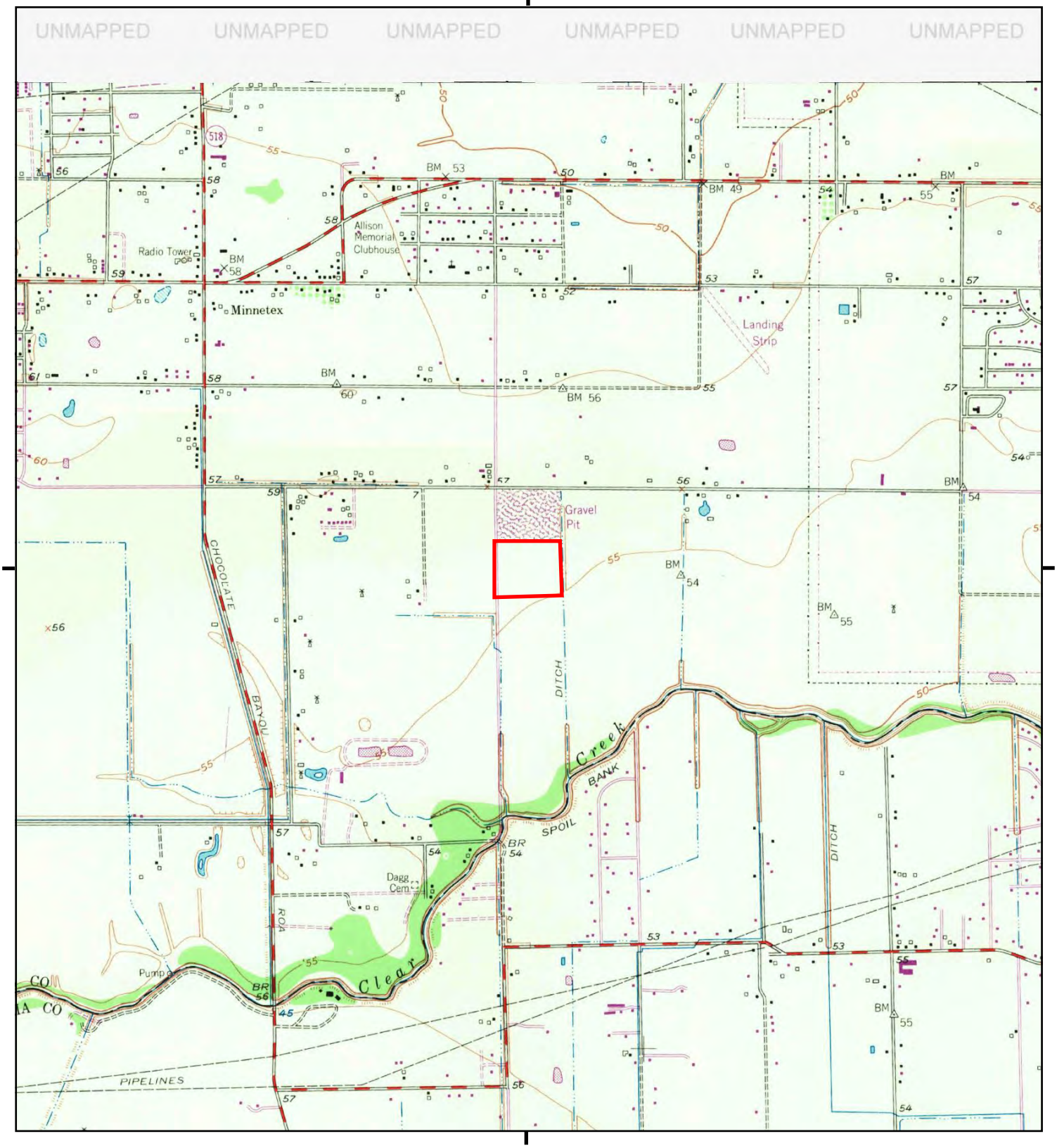
W E
SW S SE

TP, Pearland, 1982, 7.5-minute
N, Park Place, 1982, 7.5-minute

SITE NAME: GLO BW8 - State Veterans Home
ADDRESS: 8 N SAM HOUSTON PKWY E
Houston, TX 77048
CLIENT: Pape Dawson

N



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W E
SW S SE

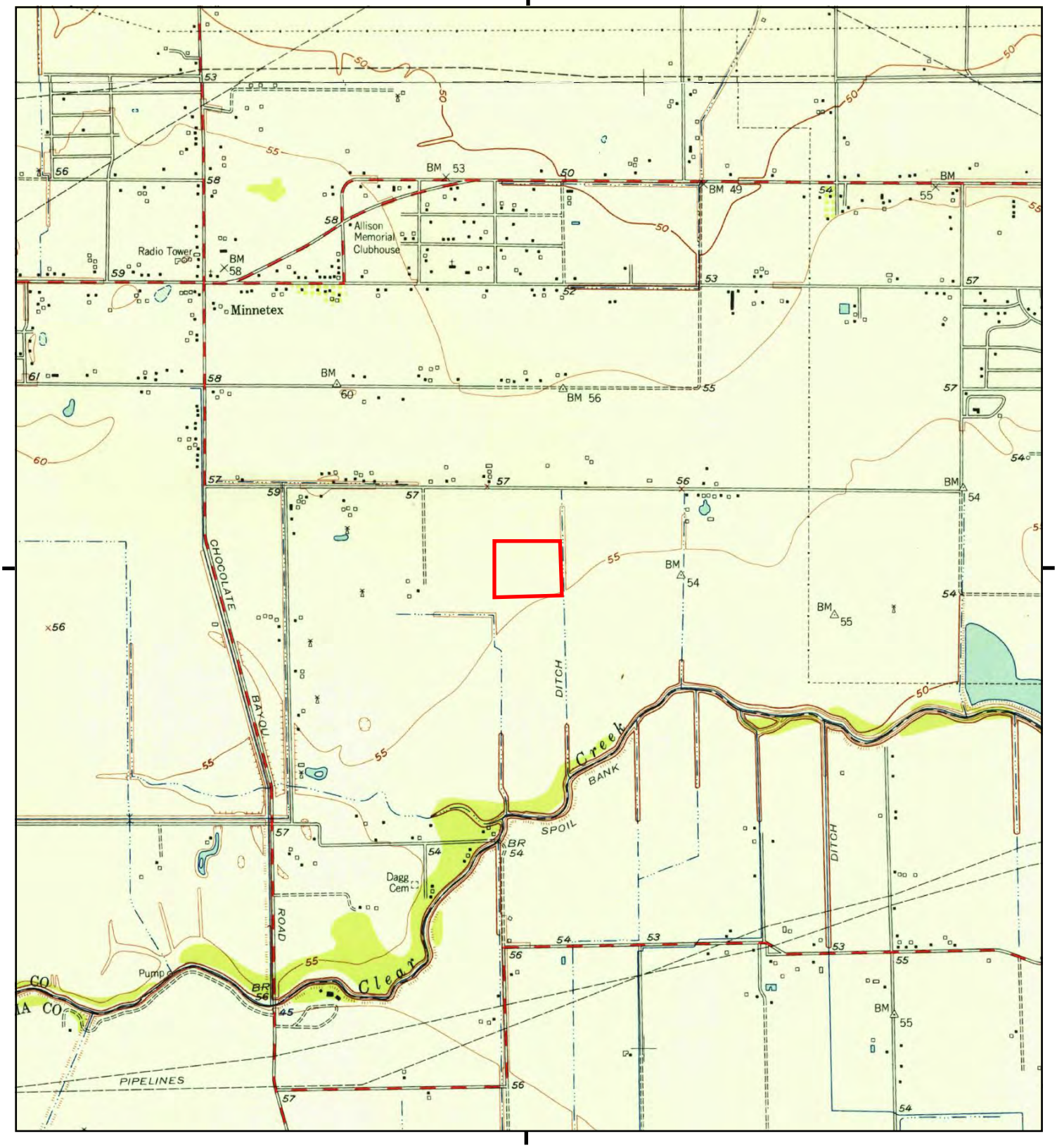
TP, Pearland, 1969, 7.5-minute

SITE NAME: GLO BW8 - State Veterans Home
ADDRESS: 8 N SAM HOUSTON PKWY E
Houston, TX 77048
CLIENT: Pape Dawson

N

Historical Topo Map

1955



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W E
SW S SE

TP, Pearland, 1955, 7.5-minute
N, Park Place, 1955, 7.5-minute

SITE NAME: GLO BW8 - State Veterans Home
ADDRESS: 8 N SAM HOUSTON PKWY E
Houston, TX 77048
CLIENT: Pape Dawson

N

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Mykawa, 1920, 7.5-minute

SITE NAME: GLO BW8 - State Veterans Home
ADDRESS: 8 N SAM HOUSTON PKWY E
Houston, TX 77048
CLIENT: Pape Dawson

N