

Draft Environmental Assessment

West Independent School District West High School Complex Project

FEMA DR-4136, PW 0008

McLennan County, Texas

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ACHP	Advisory Council on Historic Preservation
AJD	Approved Jurisdictional Determination
APAR	Affected Property Assessment Report
APE	Area of Potential Effects
AsB	Austin silty clay
AST	Above-ground Storage Tank
BGEPA	Bald and Golden Eagle Protection Act
BMP	Best Management Practice
CAA	Clean Air Act
CALF	Closed and Abandoned Landfills
CBRA	Coastal Barrier Resources Act
CBRS	Coastal Barrier Resource System
CCD	Census County Division
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability database
CEQ	Council on Environmental Quality
CESQG	Conditionally Exempt Small Quality Generator
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COC	Chemical of Concern
CORRACTS	Corrective Action Sites
CWA	Clean Water Act
CZMA	Coastal Zone Management Act
dB	decibel
DCR	Dry Cleaning Register
DNL	Day-Night Average Sound Level
EA	Environmental Assessment
EC	Engineering Controls
EIS	Environmental Impact Statement
EO	Executive Order
ERNS	Emergency Response Notification System
ESA	Endangered Species Act
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
FONSI	Finding of No Significant Impact
FPPA	Farmland Protection Policy Act
FRS	Facility Registration System
GLO	Texas General Land Office
HoB	Houston black clay

IC	Institutional Controls
IHW	Industrial Hazardous Waste
IOP	Innocent Owner Program
LPST	Leaking Petroleum Storage Tank
LQG	Large Quantity Generators
MBTA	Migratory Bird Treaty Act
MSL	Mean Sea Level
NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act
NFIP	National Floodplain Insurance Program
NFRAP	No Further Remedial Action Planned
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
NO ₂	nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NWI	National Wetlands Inventory
O ₃	ozone
OEI	Office of Environmental Information
OSHA	Occupational Safety and Health Administration
PA	Public Assistance
Pb	lead
PM _{2.5}	particulate matter less than 2.5 microns
PM ₁₀	particulate matter less than 10 microns
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Conditions
ROW	Right-of-Way
SDWA	Safe Drinking Water Act
SHPO	State Historic Preservation Office
SO ₂	sulfur dioxide
SPILLS	Spills
SQG	Small Quantity Generators
StC	Stephen-Eddy complex
SuD	Stephen-Urban land complex
SWF	Soild Waste Facilities
SWPPP	Stormwater Pollution Prevention Plan

T&E	Threatened and Endangered
TARL	Texas Archeology Resource Laboratory
TCEQ	Texas Commission on Environmental Quality
TCMP	Texas Coastal Management Program
THC	Texas Historical Commission
THPO	Tribal Historic Preservation Office
TIER	Texas Tier II Chemical Reporting Program
TPDES	Texas Pollutant Discharge Elimination System
TPWD	Texas Parks and Wildlife Department
TRRP	Texas Risk Reduction Program
TSD	Treatment, Storage, and Disposal
TXNDD	Texas Natural Diversity Database
TXSF	Texas Superfund
US	United States
USACE	U.S. Army Corps of Engineers
USCB	U.S. Census Bureau
USDA	U.S. Department of Agriculture
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
VCP	Voluntary Cleanup Program
WISD	West Independent School District
WOUS	Waters of the United States

SECTION ONE INTRODUCTION

On April 17, 2013, West High School and West Intermediate School located in West, Texas were damaged in the explosion at the West Fertilizer Company. Subsequently, a Presidential Declared Disaster DR-4136 was signed August 02, 2013 for the State of Texas to supplement state and local recovery efforts in the area affected by an explosion during the period of April 17–20, 2013. The President's action makes federal funding available to state and eligible local governments and certain private nonprofit organizations on a cost-sharing basis for emergency work and the repair or replacement of facilities damaged by the explosion in McLennan County. The ammonium nitrate explosion occurred at the West Fertilizer Company storage and distribution facility in West, Texas, approximately eighteen miles north of Waco, Texas.

West Independent School District (WISD) requested Federal Emergency Management Agency (FEMA) Public Assistance (PA) Program funding for reconstruction and new construction on an approximate 42-acre site located at the previous West High School Complex. FEMA involvement is anticipated (i.e. PA Program funding), requiring compliance with National Environmental Policy Act (NEPA) regulations in accordance with Title 44, Part 10 of the Code of Federal (CFR) Regulations, addressing environmental review procedures for entities assuming FEMA environmental responsibilities.

Pursuant to 44 CFR 206.204, WISD has requested to use FEMA PA funding for the reconstruction and new construction of the approximate 42-acre High School Complex (site) located in West, Texas. In accordance with 44 CFR Part 10, FEMA has prepared this Environmental Assessment (EA) to meet the requirements of Section 102 of the NEPA of 1969, the President's Council on Environmental Quality (CEQ) regulations to implement NEPA (40 CFR Parts 1500-1508), and FEMA's regulations implementing NEPA (44 CFR Part 10). FEMA is required to consider potential environmental impacts before funding or approving actions and projects. The purpose of this EA is to analyze the potential environmental impacts of the proposed High School Complex in West, Texas. FEMA will use the findings in this EA to determine whether to prepare an Environmental Impact Statement (EIS) or a Finding of No Significant Impact (FONSI).

1.1 PROJECT LOCATION

The proposed project site is located in West, McLennan County, Texas on the West High School Complex located at 1008 Jerry Mashek Drive, West, Texas (Latitude: 31.811752°N, Longitude: -97.087726°W) (*Appendix A, Exhibits 1.0 and 1.1*). The proposed project consists of reconstruction and new construction of the approximate 42-acre West High School Complex (*Appendix A, Exhibit 1.2*). The existing project site consist of the remains of the damaged West High School, roads and parking areas, an additional educational building, three portable buildings for emergency and construction workers, a practice field, and previously disturbed undeveloped grassland. The undeveloped land is grassed with a mixture of improved and native grasses. Brush and scattered trees are located along the northeast property line and along one area in the south property line.

SECTION TWO PURPOSE AND NEED

The explosion of the West Fertilizer Company on April 17, 2013 destroyed most of the WISD school facilities in West, Texas. West Intermediate School and West High School were significantly damaged. The gymnasium roof structure collapsed onto the playing surface and the gymnasium was declared a complete loss, along with the rest of the high school campus' north wing. The Intermediate School, the High School, and multiple buildings at the Middle School and Maintenance-Transportation site were declared a complete loss and unsafe by multiple authorities. Texas Licensed Professional Engineer 89307 Benchmark Henry Harris, along with numerous FEMA personnel, and other alternate resources, were used in the determination that facilities were unsafe for continued use in protecting schoolchildren and staff. The decision to demolish all of the campuses was made by the resources.

Students in Grades 6 through 12 are attending school in temporary facilities located at the existing West Middle School site. The high school and middle school students are being housed in temporary facilities. As the largest employer and economic driver in West, the school district prides itself on providing adequate facilities for students and teachers, while at the same time offering an attractive setting that will encourage homeowners and families moving to the area.

Temporary facilities are not sustainable for long term. Energy costs will challenge WISD operational dollars. Also, temporary facilities will deteriorate rapidly, causing the WISD to spend an eternal flow of cash to repair or update metal and wood materials that may be adversely affected by the brutal Texas weather. The spring weather in the area can present a challenge to safety for anyone in the temporary facilities. The temporary buildings do not provide the safety and security a permanent structure provides. Temporary facilities are also inflexible, unable to meet the learning needs for students and the instructional needs for staff. Temporary facilities are not adaptable to changing local, State, and Federal educational standards due to limited space and size restrictions of classrooms. Additionally, instructional resources for staff are anticipated to not be readily available at all times. Finally, temporary facilities are limited in their adaptability to provide a long-term environment that welcomes parental/community involvement and safely secures students and staff from inconsistent social threats.

The purpose of this project is to reconstruct the West High School Complex that will house the West High School and Middle School. This Complex will also include new construction of a new track and field complex, a baseball field, and a softball field that were included in the bond election passed by voters in May 2012.

The need to combine the high school and middle school location at the same complex starts with the availability of WISD property. The proposed site is the largest tract of land the district possesses and is appropriately able to house proposed facilities without encumbering the WISD with locating and purchasing new property.

The location to the new site will safely remove students away from one of the busiest railroad lines in Texas. The intermediate school was located not only within 200 yards of the West Fertilizer Plant, but within 50 yards of Union Pacific trains traveling at speeds up to 60 mph. Additionally, the campuses are as far removed on WISD property from Interstate 35 as possible, which is a concern shared by administration and trustees.

Finally, a combined facility relocated to a site large enough to accommodate such an initiative will allow the WISD to accomplish secondary school academic goals while remaining fiscally

conservative, reducing operational dollars to target two campuses instead of four. WISD wants to create an environment that inspires the students, staff, and the entire community.

SECTION THREE ALTERNATIVES

This section describes the alternatives that were considered in addressing the purpose and need stated in Section 2 above. Two alternatives are evaluated in this EA: the No Action Alternative (Alternative 1) and the Proposed Action Alternative (Alternative 2), which is the reconstruction and new construction of the West High School Complex. No other alternatives were considered.

3.1 ALTERNATIVE 1: NO ACTION

Under the No Action Alternative, the high school complex would not be reconstructed. The high school and middle school students will continue to attend school in portable facilities. The No Action Alternative would not provide permanent housing for students. The temporary buildings do not provide the safety and security a permanent structure provides. Long term temporary facilities may discourage parents from moving or staying in the WISD boundaries. If this happens, WISD could be negatively impacted by enrollment forcing the largest employer in the City of West to decrease teaching and staff positions, adversely affecting the City of West. As a result, this alternative would not meet the need and purpose of the proposed project.

3.2 ALTERNATIVE 2: NEW WEST HIGH SCHOOL COMPLEX (PROPOSED ACTION)

Under the Proposed Action Alternative, the West High School Complex would be reconstructed with additional new construction located at the previous West High School Complex location (*Appendix A, Exhibit 1.2*). The Proposed Action Alternative would provide the community with a high school complex that will also house middle school students.

The proposed West High School Complex would include the reconstruction of educational facilities for high school and middle school students and the construction of a new track and field complex, a baseball field, and a softball field that were included in the bond election passed by voters in May 2012. These amenities are proposed to be located on the east side of the high school site.

Reconstruction and new construction of the Proposed Action Alternative would also include debris removal and grading of the 42 acres of land. The facility would connect into existing water and sewer utility services.

A preliminary site plan for the West High School Complex, including the proposed project site, is provided in *Appendix A, Exhibit 1.2*. A photographic log of the previous / proposed project site is provided in *Appendix B*.

SECTION FOUR AFFECTED ENVIRONMENT AND POTENTIAL IMPACTS

This section describes the potential impacts of the Proposed Action Alternative and the No-Action Alternative. Where potential impacts exist, conditions or mitigation measures to offset these impacts are detailed. A summary table is provided in Section 4.7.

4.1 PHYSICAL RESOURCES

4.1.1 Geology, Soils, and Seismicity

According to the Geologic Atlas of Texas¹, Austin Sheet, the project area is in the Navarro and Taylor Groups. The U.S. Geological Survey (USGS) 7.5-minute topographic map, West, Texas quadrangle, indicates that the elevation of the proposed project site averages 640 feet above mean sea level (MSL) (USGS 1979). (Reference *Exhibit 2.0* in *Appendix A*)

According to the U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) online Web Soil Survey², the proposed project site contains soils classified as Austin silty clay (AsB), 1 to 3 percent slopes; Houston black clay (HoB), 1 to 3 percent slopes; Stephen-Eddy complex, 2 to 5 percent slopes (StC); and Stephen-Urban land complex (SuD), 2 to 5 percent slopes (Reference *Exhibit 3.0* in *Appendix A*). The Austin series consists of moderately deep, well drained, moderately slowly permeable silty clay soils that formed in chalk and interbedded marl. These soils are on nearly level to sloping erosional uplands. The Houston black series consists of very deep, moderately well drained, very slowly permeable clay soils that formed from weakly consolidated calcareous clays and marls of Cretaceous Age. The Eddy series consists of shallow to very shallow, well drained, moderately permeable loamy clay soils that formed in chalky limestone. The Stephen series consists of shallow, well drained, moderately slowly permeable silty clay soils formed in interbedded marl and chalky limestone. These soils are not listed as containing hydric components in McLennan County, Texas. The soils were previously disturbed by farming and the construction of the damaged West High School.

Section 1540(b) of the Farmland Protection Policy Act³ (FPPA) of 1981 requires that federal agencies minimize the extent to which federal programs contribute to the unnecessary and irreversible conversion of farmland to nonagricultural uses. Terracon personnel, Ginger C. Horn, Senior Project Scientist, conducted a site visit on January 30, 2014. According to the FPPA, farmland does not include land that is already in or committed to urban development. The proposed project site does not contain prime and unique farmlands and is in use as urban development land. The Proposed Action Alternative will not convert farmland to nonagricultural uses and will not impact farmland.

On May 5, 2014, Terracon provided a Form AD-1006 to the Texas NRCS State Office for review of Farmland Conversion. Terracon received a letter dated May 6, 2014 (see *Appendix C*) that the proposed project area was considered to be “Prior Converted” and is exempt.

¹ Texas Water Development Board. 2011a. *Geologic Atlas of Texas*. <http://www.twdb.state.tx.us/GwRD/GTA/GAT/houston.htm>.

² Natural Resources Conservation Service. U.S. Department of Agriculture. *Web Soil Survey*. <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>.

³ Natural Resources Conservation Service. U.S. Department of Agriculture. *Farmland Protection Policy Act*. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/?ss=16&navtype=SUBNAVIGATION&cid=nrcs143_008275&navid=10017018000000&position=Welcome.Html&ttype=detail.

Executive Order (EO) 12699, Seismic Safety of Federal and Federally Assisted or Regulated New Building Construction, establishes responsibilities regarding the seismic-related safety of buildings owned, leased, or funded by federal agencies. Under this EO, each federal agency responsible for the design and construction of a federal or federally funded building must ensure that the building is designed and constructed in accordance with appropriate seismic design and construction standards.

Based on the USGS Database Search⁴, no Class A or Class B Faults are located within McLennan County. According to the USGS National Seismic Hazard Maps⁵, McLennan County is located in the lowest hazard probability area for seismicity. Based on the FEMA Earthquake Hazard Map⁶, the project area is listed in the Seismic Design Category “A” and has a very small probability of experiencing damaging earthquake effects. However, the Texas Fault 483 does pass through the southeast/south central part of the proposed project site.

No Action Alternative – Under the No Action Alternative, no construction would occur and there would be no impacts to geology or soils.

Proposed Action Alternative – Under the Proposed Action Alternative, construction activities would not be deep enough to impact underlying geologic resources or seismicity. However, construction activities would disturb 42 acres of previously disturbed soils. The proposed project would have a minimal short-term impact on soils. The Proposed Action Alternative represents an enlarged footprint from the previous educational facilities on the site. Therefore, the Proposed Action Alternative will result in impacts to soils which were not previously disturbed by construction activities for educational facilities. However, the soils on the project site have been previously disturbed for other purposes. Given that the soils have been previously disturbed, and that the NRCS has determined that the project area has been “Prior Converted,” the Proposed Action Alternative will not have permanent impacts to soils.

The applicant would be required to prepare a Stormwater Pollution Prevention Plan (SWPPP) and obtain a Texas Pollutant Discharge Elimination System (TPDES) permit prior to construction. Implementation of appropriate Best Management Practices (BMPs), as described in the SWPPP and required for the TPDES permit, would help minimize site runoff. BMPs would include the installation of silt fences and the re-vegetation of disturbed soils to minimize erosion. Excavated soil and waste materials will be managed and disposed of in accordance with applicable local, state, and federal regulations. If contaminated materials are discovered during the construction activities, work will cease until the appropriate procedures and permits can be implemented. Based on the proposed mitigation measures, no permanent impacts are anticipated from the Proposed Action Alternative.

4.1.2 Air Quality

The Clean Air Act (CAA) requires that states adopt ambient air quality standards. The standards have been established to protect the public from potentially harmful amounts of pollutants. Under the CAA, the U.S. Environmental Protection Agency (USEPA) establishes primary and secondary air quality standards. Primary air quality standards protect the public health, including the health of “sensitive populations, such as people with asthma, children, and older adults.”

⁴ U.S. Geologic Survey. *Earthquake Hazards Program*. <http://earthquake.usgs.gov/hazards/qfaults/imsintro.php>.

⁵ U.S. Geologic Survey. *Earthquake Hazards Program*. <http://earthquake.usgs.gov/hazards/?source=sitenav>.

⁶ Federal Emergency Management Agency. *Earthquake Hazard Maps*. <http://www.fema.gov/earthquake/earthquake-hazard-maps#1>.

Secondary air quality standards protect public welfare by promoting ecosystem health, and preventing decreased visibility and damage to crops and buildings. The USEPA has set national ambient air quality standards (NAAQS) for the following six criteria pollutants: ozone (O₃), particulate matter (PM_{2.5}, PM₁₀), nitrogen dioxide (NO₂), carbon monoxide (CO), sulfur dioxide (SO₂), and lead (Pb).

The Texas Commission on Environmental Quality (TCEQ) has adopted USEPA's NAAQS as criteria pollutants for Texas. Areas that failed to meet federal standards for ambient air quality are considered nonattainment. The General Conformity Final Rule (40 CFR Part 51) specifies criteria or requirements for conformity determinations for federal projects. The General Conformity Rule ensures that the actions taken by federal agencies in nonattainment and maintenance areas do not interfere with a state's plans to meet national standards for air quality.

No Action Alternative – Under the No Action Alternative, there would be no construction and no effect on air quality.

Proposed Action Alternative – The Proposed Action Alternative location is in attainment for all other NAAQS pollutants. The proposed project could result in a minor centralized increase of air emissions; however, construction air emission would be temporary. All construction would be completed when students return to the high school complex. The facilities will be updated to current code and equipment that is 15 to 90 years in age will be replaced. With the updated technology, new building materials, new mechanical equipment, new electrical components, and plumbing engineering, no additional permanent emissions or air quality impacts are anticipated with the operations of the school facilities. The Proposed Action Alternative is not anticipated to cause indirect permanent air quality impacts and no change in attainment status is anticipated in the area as the result of emissions associated with the proposed project.

4.2 WATER RESOURCES

4.2.1 Surface Water

The Clean Water Act (CWA), as amended in 1977, established the basic framework for regulating discharges of pollutants into the Waters of the United States (WOUS).

The proposed project site contains no surface water resources. However, a tributary of Rice Creek borders the northeast side of the proposed project site. Stormwater runoff follows surface topography and tends to flow south/southeast towards tributaries of Rice Creek. Rice Creek is not listed on the TCEQ 303(d) list⁷.

No Action Alternative – Under the No Action Alternative, no construction would occur and there would be no impacts to surface waters.

Proposed Action Alternative – Under the Proposed Action Alternative, no permanent impacts are anticipated to surface water. However, minor short-term impacts to offsite surface waters may occur due to stormwater runoff transporting sediments from soils disturbed during construction and an increased amount of impervious surfaces of the proposed facility. To reduce impacts to offsite surface waters, the applicant would implement appropriate BMPs, such as installing silt

⁷ Texas Commission on Environmental Quality. *Texas Integrated Report of Surface Water Quality*. 2012 Texas 303(d) List. http://www.tceq.state.tx.us/waterquality/assessment/305_303.html.

fences and re-vegetating bare soils. The applicant would also be required to prepare a SWPPP and obtain a TPDES permit prior to construction.

4.2.2 Sole Source Aquifers

Section 1424(e) of the Safe Drinking Water Act (SDWA) of 1974 authorizes the Administrator of the USEPA to designate an aquifer for special protection if it is the sole or principal drinking water resource for an area, and if its contamination would create a significant hazard to public health. Furthermore, no commitment for federal financial assistance may be entered into for any project which may contaminate a designated aquifer through a recharge zone.

Terracon reviewed the Sole Source Aquifer Map⁸ published by the USEPA for Region 6. According to the Sole Source Aquifer Map, the proposed project site is not located in an area designated as a Sole Source Aquifer.

No Action Alternative – Under the No Action Alternative, no construction would occur and there would be no impacts to groundwater.

Proposed Action Alternative – Under the Proposed Action Alternative, no impacts to groundwater are anticipated. The proposed facility would connect to existing water and sanitary sewer services; no water well or septic systems would be installed. Construction activities are not anticipated to reach a sufficient depth to directly impact groundwater. If the proposed project requires additional excavation to groundwater depths, the applicant would consult with TCEQ to identify appropriate mitigation. No permanent impacts are anticipated the Proposed Action Alternative.

4.2.3 Waters of the U.S. Including Wetlands

Executive Order 11990⁹, dated May 24, 1977, requires federal agencies to minimize the destruction, loss or degradation of wetlands, and to preserve and enhance the natural and beneficial values of wetlands in carrying out the agency's responsibilities. The U.S. Army Corps of Engineers (USACE) has the ultimate authority for wetland and WOUS determinations. The USEPA has the ultimate authority for official jurisdictional determinations; however, authority has been delegated to the USACE to give an approved jurisdictional determination (AJD) on potential WOUS.

The National Wetlands Inventory¹⁰ (NWI) map of the proposed project site was reviewed to identify suspect wetland areas. The map for the subject site was published by the U.S. Department of the Interior's Fish and Wildlife Service (USFWS) and depicts suspect wetland areas based on stereoscopic analysis of high altitude aerial photographs. The review of the NWI map did not indicate the presence of suspect wetland areas on the proposed project site (reference *Exhibit 4.0* in *Appendix A*). The USGS 7.5-Minute Topographic Map¹¹ of the project

⁸ U.S. Environmental Protection Agency. *Sole Source Aquifer Protection Program*. <http://water.epa.gov/infrastructure/drinkingwater/sourcewater/protection/solesourceaquifer.cfm> and <http://www.epa.gov/region6/water/swp/ssa/maps.htm>

⁹ National Archives. Executive Order 11990: Protection of Wetlands. <http://www.archives.gov/federal-register/codification/executive-order/11990.html>.

¹⁰ U.S. Fish and Wildlife Service. *National Wetlands Inventory Mapper*. <http://www.fws.gov/wetlands/Data/Mapper.html>.

¹¹ U.S. Geological Survey. 7.5-Minute Topographic Map, West, Texas Quadrangle, (USGS 1979). & U.S. Geologic Survey. The National Map Viewer. <http://viewer.nationalmap.gov/viewer/>.

site was reviewed to identify drainages or potentially jurisdictional WOUS within the project site. A portion of the West, Texas Quadrangle was reviewed. According to the topographic map, the proposed project area consists of open areas as evidenced by no shading (reference *Exhibit 2.0 in Appendix A*). The topographic map did not indicate the presence of waterbodies or drainages occurring on the project site.

No Action Alternative – Under the No Action Alternative, construction of the facility would not occur and there would be no impacts to wetlands or other WOUS.

Proposed Action Alternative – Wetlands generally have three essential characteristics: hydrophytic vegetation, hydric soils, and wetland hydrology. Terracon personnel, Ginger C. Horn, Senior Project Scientist, conducted a site visit on January 30, 2014 to observe suspect wetland areas. During the site visit, Terracon personnel did not observe suspect wetland areas occurring on the proposed project site. Based on the review of the NWI Map, the Topographic Map, and the site visit, the Proposed Action Alternative will not impact wetlands.

4.2.4 Floodplains

EO 11988 (Floodplain Management) requires federal agencies to avoid direct or indirect support of development within the 100-year floodplain whenever there is a practicable alternative. FEMA uses Flood Insurance Rate Maps (FIRMs) to identify the regulatory 100-year floodplain for the National Flood Insurance Program (NFIP). Consistent with EO 11988, FIRMs¹² were examined during the preparation of this EA. The City of West and McLennan County are participants in the NFIP. The reviewed FEMA FIRM panels 48309C0055C & 48309C0065C effective September 26, 2008, depict the proposed project site in Zone X, which is an area outside of the FEMA designated 100-year and 500-year floodplain (reference *Exhibit 5.0 in Appendix A* and FEMA FIRM in *Appendix D*).

No Action Alternative – Under the No Action Alternative, construction of the facility would not occur and there would be no impacts to floodplains.

Proposed Action Alternative – Under the Proposed Action Alternative, construction would not take place within the 100-year floodplain. Therefore, the Proposed Action Alternative will not impact floodplains.

4.3 COASTAL RESOURCES

The Coastal Zone Management Act (CZMA) enables coastal states, including Texas, to designate state coastal zone boundaries and develop coastal management programs to improve protection of sensitive shoreline resources and guide sustainable use of coastal areas. The Texas General Land Office (GLO) monitors and manages coastal zone actions in partnership with the federal government under the CZMA within the Texas Coastal Zone. All federally funded projects must be consistent with the Texas Coastal Management Program (TCMP).

The Coastal Barrier Resources Act (CBRA) of 1982, administered by USFWS, was enacted to protect sensitive and vulnerable barrier islands found along the U.S. Atlantic, Gulf, and Great Lakes coastlines and to discourage development in coastal areas. The CBRA established the

¹² Federal Emergency Management Agency. Map Service Center. *Flood Insurance Rate Map Panel Nos. 48309C0065C and 48309C0055C Effective September 26, 2008.* <https://msc.fema.gov/webapp/wcs/stores/servlet/FemaWelcomeView?storeId=10001&catalogId=10001&langId=-1>.

Coastal Barrier Resources System (CBRS), which consists of undeveloped coastal barrier islands, including those in the Great Lakes. With limited exceptions, areas contained within a CBRS are ineligible for direct or indirect federal funds that might support or promote coastal development. According to the GLO Coastal Zone Boundary Map¹³, the proposed project site is not located within the Texas Coastal Zone. Therefore, the Proposed Action Alternative will not impact coastal resources or coastal barrier resources.

4.4 BIOLOGICAL RESOURCES

The Endangered Species Act¹⁴ (ESA) of 1973 provides a program for the conservation of threatened and endangered plants and animals and the habitats in which they are found. Section 7 of the ESA requires federal agencies, in consultation with the USFWS and/or the National Oceanic and Atmospheric Administration National Marine Fisheries Service (NOAA/NMFS), to ensure that actions they authorize, fund, or carry out are not likely to jeopardize the continued existence of any listed species or result in the destruction or adverse modification of designated critical habitat of such species. The ESA also prohibits any action that causes a "taking" of any listed species. The Migratory Bird Treaty Act (MBTA) of 1918 makes it unlawful without a waiver to pursue, hunt, take, capture, kill, or sell birds classified as migratory birds. *Table 1*, below, provides the USFWS federally threatened and endangered (T&E) species for McLennan County¹⁵. Bald and Golden Eagles are further protected by the Bald and Golden Eagle Protection Act (BGEPA).

Table 1: Federal Threatened and Endangered Species

Common Name	Scientific Name	Status
Bald Eagle	<i>Haliaeetus leucocephalus</i>	R
Black-capped Vireo	<i>Vireo atricapilla</i>	E
Golden-cheeked Warbler	<i>Setophaga chrysoparia</i>	E
Smooth pimpleback	<i>Quadrula houstonensis</i>	C
Whooping Crane	<i>Grus americana</i>	E
Source: USFWS February 2014; T = Threatened, E = Endangered, C= Candidate, R=Recovery		

In addition to the federally listed T&E species listed above, Table 2, below, provides Texas Parks and Wildlife Department (TPWD) state-listed T&E species for McLennan County¹⁶:

¹³ Texas General Land Office. *Coastal Management Program*. Coastal Zone Boundary Map. <http://www.glo.texas.gov/what-we-do/caring-for-the-coast/grants-funding/cmp/>.

¹⁴ U.S. Fish and Wildlife Service. *Digest of Federal Resource Laws of Interest to the U.S. Fish and Wildlife Service. Endangered Species Act of 1973*. <http://www.fws.gov/laws/lawsdigest/esact.html>.

¹⁵ U.S. Fish and Wildlife Service. Ecological Services. *Threatened and Endangered Species List for McLennan County, Texas*. http://www.fws.gov/southwest/es/ES_ListSpecies.cfm.

¹⁶ Texas Parks and Wildlife Department. *Rare, Threatened, and Endangered Species of Texas for McLennan County, Texas*. http://www.tpwd.state.tx.us/gis/ris/es/ES_Reports.aspx?county=McLennan.

Table 2: State Threatened and Endangered Species

Common Name	Scientific Name	Status
American Peregrine Falcon	<i>Falco peregrinus anatum</i>	T
Arctic Peregrine Falcon	<i>Falco peregrinus tundrius</i>	-
Bald Eagle	<i>Haliaeetus leucocephalus</i>	T
Golden-cheeked Warbler	<i>Setophaga chrysoparia</i>	E
Henslow's Sparrow	<i>Ammodramus henslowii</i>	-
Interior Least Tern	<i>Ammodramus henslowii</i>	E
Peregrine Falcon	<i>Falco peregrinus</i>	T
Sprague's Pipit	<i>Anthus spragueii</i>	-
Western Burrowing Owl	<i>Athene cunicularia hypugaea</i>	-
White-faced Ibis	<i>Plegadis chihi</i>	T
Whooping Crane	<i>Grus americana</i>	E
Wood Stork	<i>Mycteria americana</i>	T
Guadalupe bass	<i>Micropterus treculii</i>	-
Sharpnose shiner	<i>Notropis oxyrhynchus</i>	-
Smalleye shiner	<i>Notropis buccula</i>	-
Cave myotis bat	<i>Myotis velifer</i>	-
Plains spotted skunk	<i>Spilogale putorius interrupta</i>	-
Red Wolf	<i>Canis rufus</i>	E
False spike mussel	<i>Quadrula mitchelli</i>	T
Smooth pimpleback	<i>Quadrula houstonensis</i>	T
Texas fawnsfoot	<i>Truncilla macrodon</i>	T
Texas garter snake	<i>Thamnophis sirtalis annectens</i>	-
Texas horned lizard	<i>Phrynosoma cornutum</i>	T
Timber/Canebrake rattlesnake	<i>Crotalus horridus</i>	T

Source: TPWD February 2014 (Last Revision: 1/22/2014 9); T = Threatened, E = Endangered, "-" = No Status

In addition to the county lists, a review of the Texas Natural Diversity Database (TXNDD)¹⁷ for the West, Texas USGS topographic quadrangle was performed by TPWD in January 2014, for known occurrences of listed species. Information files were reviewed for known locations of listed species on the topographic quadrangle map representing the project site and also on adjacent quadrangles (if applicable). The TXNDD review did not reveal any occurrences on or near the project site. Note that, given the small proportion of public versus private land in Texas, the TXNDD does not include a representative inventory of rare resources in the state. Data from the TXNDD do not provide a definitive statement as to the presence, absence, or condition of special species, natural communities, or other significant features within the proposed project

¹⁷ Texas Parks and Wildlife Department. *Texas Natural Diversity Database (TXNDD)*. http://www.tpwd.state.tx.us/huntwild/wild/wildlife_diversity/txndd/.

area. Absence of information in the TXNDD does not, therefore, mean the absence of an occurrence. During the site visit conducted on January 30, 2014, a qualified Terracon scientist did not observe the presence of T&E species in the project site vicinity.

The Vegetation Type of Texas Map¹⁸ (*Exhibit 6.0 in Appendix A*) list the proposed project site vegetation as crops. The Land Use Map¹⁹ has the proposed project site zoned as school (*Exhibit 7.0 in Appendix A*). Historical aerial photos are provided in *Appendix A, Exhibits 8.0-8.3*. Based on the results of the resource review and the preliminary site visit, the proposed project site area has been altered from its native state.

Terracon submitted letters to the USFWS and the TPWD, dated February 5, 2014, requesting written agency records which may be on file for the proposed project area regarding the presence of known habitats of endangered species (reference *USFWS Coordination Information* and *TPWD Coordination Information in Appendix C*). In addition, Terracon requested agency review of the proposed project area regarding any regulatory prohibitions with respect to endangered species protection or habitat preservation or any other applicable rules or guidelines.

No Action Alternative – Under the No Action Alternative, there would be no impacts to biological resources, including federal and state-protected species.

Proposed Action Alternative – Under the Proposed Action Alternative, there would be no anticipated impacts to biological resources. The 42 acres to be disturbed consists of previously disturbed land. No impacts to threatened and endangered species or migratory birds are anticipated. Based on these findings, FEMA has determined that the proposed project would have “No Effect” on federally listed T&E species, migratory birds, or critical habitat. Furthermore, the proposed project site does not provide suitable habitat for the state-listed species; therefore, the proposed project would have no impact on state-listed species. Consultation letters requesting project review and concurrence were sent to the TPWD and USFWS on February 5, 2014. The USFWS transmitted a copy of the consultation letter, dated February 28, 2014, with a “No Action” stamp (reference *USFWS Coordination Information in Appendix C*). The TPWD transmitted a copy of the consultation letter, dated April 19, 2014, stating that based on the project description, the Wildlife Habitat Assessment Program does not anticipate significant adverse impacts to rare, threatened or endangered species, or other fish and wildlife resources (reference *TPWD Coordination Information in Appendix C*).

4.5 CULTURAL RESOURCES

The National Historic Preservation Act (NHPA) of 1966, (Public Law {P.L.} 89-665; 16 USC 470 *et seq.*) as amended, outlines federal policy to protect historic properties and promote historic preservation in cooperation with states, Tribal Governments, local governments, and other consulting parties. The NHPA established the National Register of Historic Places (NRHP) and designated the State Historic Preservation Office (SHPO) as the entity responsible for administering state-level programs. The NHPA also created the Advisory Council on Historic Preservation (ACHP), the federal agency responsible for overseeing the Section 106 process and providing commentary on federal activities, programs, and policies that affect historic properties.

¹⁸ Texas Parks and Wildlife Department. *The Vegetation Types of Texas*.
http://www.tpwd.state.tx.us/publications/pwdpubs/pwd_bn_w7000_0120/.

¹⁹ Houston-Galveston Area Council. *Land Use GIS Data (2010)*.

Section 106 of the NHPA and its implementing regulations (36 CFR 800) outline the procedures for federal agencies to follow to take into account the effect of their actions on historic properties. The Section 106 process applies to any federal undertaking that has the potential to affect historic properties, defined in the NHPA as those properties (archaeological sites, standing structures, or other historic resources) that are listed in or eligible for listing in the NRHP. Although buildings and archaeological sites are most readily recognizable as historic properties, a diverse range of resources are listed in the NRHP, including roads, landscapes, and vehicles. Under Section 106, federal agencies are responsible for identifying historic properties within the Area of Potential Effects (APE) for an undertaking, assessing the effects of the undertaking on those historic properties, if present, and considering ways to avoid, minimize, and mitigate any adverse effects of its undertaking on historic properties, it is the primary regulatory framework that is used in the NEPA process to determine impacts on cultural resources.

No Action Alternative – Under the No Action Alternative, no reconstruction would occur and no historic properties would be affected.

Proposed Action Alternative – Under the Proposed Action Alternative, no impacts to archeological or cultural resources are anticipated.

Atlas Review – A review of the Texas Historic Sites Atlas²⁰ and Texas Archeological Sites Atlas²¹ was completed to determine if State Archeological Landmarks, NRHP listings, or recorded archeological sites have been documented within the proposed project area. According to the review, no known archaeological or historic sites are located within the proposed project area.

TARL Review – In January 2014, Terracon requested a review of recorded historical and archeological information for the proposed project site and a 0.5-mile search buffer by the Texas Archeological Research Laboratory (TARL). In a letter, dated January 30, 2014, the TARL stated that its research determined that no archeological or historical sites have been reported to its office within a 0.5-mile search buffer of the project site (reference *TARL Letter* in *Appendix C*). According to the letter, TARL additionally conducted a search of the THC's online Texas Historic Sites Atlas and the National Parks Service's online NRHP. This search did not reveal sites listed on the NRHP or as State Archeological Landmarks within the project search radius.

Terracon submitted a letter to the Texas Historical Commission (THC), dated February 5, 2014, requesting written THC records which may be on file for the proposed project area (reference *THC Coordination Information* in *Appendix C*). In addition, Terracon requested agency review of the proposed project area regarding any regulatory prohibitions with respect to compliance with Section 106 of the NHPA and/or CFR 36 Part 800 regarding protection of historic properties or any other applicable adopted rules or guidelines. The THC transmitted a copy of the consultation letter, stamped, signed, and dated February 18, 2014, stating that no historic properties would be affected and the project may proceed (reference *THC Coordination Information* in *Appendix C*).

Consultation emails were sent May 19, 2014 to five (5) federally recognized Tribes that may have environmental and/or cultural resource concerns related to the Proposed Action; the Comanche Nation, Kiowa Tribe of Oklahoma, Thlopthlocco Tribal Town, Tonkawa Tribe of

²⁰ Texas Historical Commission. *Texas Historic Sites Atlas*. <http://atlas.thc.state.tx.us/shell-county.htm>.

²¹ Texas Historical Commission. *Texas Archeological Sites Atlas*. <http://nueces.thc.state.tx.us/>.

Oklahoma, and the Wichita and Affiliated Tribes. Between May 19, 2014 and the time of EA preparation, no responses were received from any of the five tribes.

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

4.6 SOCIOECONOMIC RESOURCES

4.6.1 Socioeconomics

General Population

The City of West, Texas is located in McLennan County, Texas. According to the United States Census Bureau (USCB)²², the population of the City of West was 2,807 in 2010. The average historical growth of West, Texas is approximately 4 percent. *Table 3*, below, shows the state, county, and city population.

Table 3: Population History

Area	2010
Texas	25,145,561
McLennan County	234,626
West (city)	2,807

According to the USCB²³, 2008-2012 American Community Survey 5-Year Estimates Data, the total population of West Census County Division (CCD), Texas is estimated to be 7,083, with 3,823 citizens over the age of 16 participating in the work force. The USCB²⁴ estimates 8.4 percent families whose income is below the poverty level. The West ISD Student enrollment was approximately 1,201 students for 2011-2012. The 2013-2014 student enrollment is estimated at 1,425 students.

No Action Alternative – Under the No Action Alternative, no impacts to socioeconomic resources would occur.

Proposed Action Alternative – Under the Proposed Action Alternative, the whole community is expected to benefit from the reconstruction and new construction of West High School Complex. Reconstruction of the facility would create temporary jobs during the construction phase, and may create permanent employment positions for additional staff. No adverse socioeconomic impacts are anticipated by the Proposed Action Alternative.

²² U.S. Census Bureau. 2011. *State and County Quickfacts, City of West and McLennan County, Texas*.

²³ U.S. Census Bureau. 2009. *2008-2012 American Community Survey, McLennan County, Texas*.

²⁴ U.S. Census Bureau. 2010. American Fact Finder. *2010 Census Demographic Profiles Data, West, McLennan County, Texas*.

4.6.2 Environmental Justice

EO 12898 (Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations) mandates that federal agencies identify and address, as appropriate, disproportionately high and adverse human health or environmental effects of their programs, policies, and activities on minority and low-income populations.

Socioeconomic and demographic data for the project area were reviewed to determine if a disproportionate number of minority or low-income persons have the potential to be adversely affected by the proposed project. The following information was gathered from the USCB²⁵.

Table 4: Community Survey Data

Community Survey Data	West CCD, McLennan, Texas	McLennan County	State of Texas
Total Population (2010)	7,083	234,626	25,208,897
Annual median household income	\$48,574	\$41,589	\$51,563
Households below poverty level	8.1%	15.1%	13.5%
Minorities	6.5%	22.5%	25.9%
Hispanic (may be of any race)	11.9%	23.6%	37.6%
Source: USCB 2008-2012 American Community Survey 5-Year Estimates			

Minorities represented 6.5 percent, 22.5 percent, and 25.9 percent, respectively, of the populations of West CCD, McLennan County, and the State of Texas populations. The following table shows the specific racial composition of West CCD, McLennan County, and the State of Texas.

Table 5: Ethnicity

Ethnicity	West CCD	McLennan County	State of Texas
White	92.3%	77.5%	74.1%
Hispanic or Latino	11.9%	23.6%	37.6%
Black or African American	4.2%	14.7%	11.8%
American Indian or Native Alaskan	—	0.5%	0.5%
Asian	0.3%	1.4%	3.9%
Native Hawaiian or Other Pacific Islander	—	0.1%	0.1%
Source: USCB 2008-2012 American Community Survey 5-Year Estimates			

²⁵ U.S. Census Bureau. 2009. *2008-2012 American Community Survey, McLennan County, Texas*.

No Action Alternative – Under the No Action Alternative, reconstruction of the facility would occur and there would be no disproportionate impacts on minority or low-income populations.

Proposed Action Alternative – Under the Proposed Action Alternative, reconstruction and new construction of the facility would provide the community with improved facilities for the WISD. The proposed project will not involve right-of-way (ROW) acquisition resulting in the relocation of residences or displacement of businesses and will not divide or isolate existing neighborhoods. This alternative allows the community to provide good quality facilities to all students. While minority and low-income populations are present in the proposed project area, the project will not result in disproportionately adverse impacts to these populations, but may provide a positive impact to the populations by providing improved quality educational facilities.

4.6.3 Hazardous Materials

Hazardous substances are defined as any solid, liquid, contained gaseous, or semisolid waste or any combination of wastes that pose a substantial present or potential hazard to human health and the environment. Hazardous substances are primarily generated by industry, hospitals, research facilities, and the government. Improper management and disposal of hazardous substances can lead to pollution of groundwater or other drinking water supplies, and the contamination of surface water and soil. The primary federal regulations for the management and disposal of hazardous substances are the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and the Resource Conservation and Recovery Act (RCRA).

Review pursuant to 24 CFR Part 51, Subpart C includes establishing safety standards which can be used as a basis for calculating acceptable separation distances for assisted projects from specific, stationary, hazardous operations which store, handle, or process hazardous substances. Terracon personnel reviewed regulatory database information provided by GeoSearch, a contract information services company. The purpose of the limited records review was to identify facilities that may constitute recognized environmental conditions (REC) in connection with the proposed project site alignment.

A site visit was conducted by Terracon personnel, Ginger C. Horn, Senior Project Scientist, on January 30, 2014. Two concrete driveways turning into the proposed project site off Jerry Mashek Drive were located on the west side of the site. The West High School building was being demolished. Heavy equipment was demolishing existing concrete from the existing foundations, piers, columns, and beams of the high school. A temporary self-contained 500 gallon fuel tank was located on site for equipment refueling. Portable toilets were located at the site. The construction work was being completed behind a fence area. No notable fluid leaks or spills were observed. An undeveloped road transited the north and east property line. Construction brick and debris as well as an old satellite dish were located on the east central property boundary. A damaged educational building, three portable buildings, portable toilets, and a well were located on the southwest side of the site.

Listed below in *Table 6* are the facility listings identified in the GeoSearch Radius Report²⁶ on federal and state databases within the referenced search distances from the site boundary.

²⁶ GeoSearch. *Radius Report*.

Database definition, descriptions, and the database search report are included in *GeoSearch Radius Report* in Appendix D.

Table 6: Federal and State Databases

Database	Description	Radius (miles)	Listings
Federal			
NPL	The National Priorities List (NPL) is the USEPA’s database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.	1.0	0
NPL (Delisted)	The NPL Delisted refers to facilities that have been removed from the NPL.	0.5	0
CERCLIS/ NFRAP	The Comprehensive Environmental Response, Compensation and Liability (CERCLIS) database is a compilation of facilities which the USEPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980. NFRAP (No Further Remedial Action Planned) refers to facilities that have been removed and archived from its inventory of CERCLA sites.	0.5	0
RCRA CORRACTS/ TSD	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials that are undergoing “corrective action”. A “corrective action” order is issued when there has been a release of hazardous waste or constituents into the environment from a Resource Conservation and Recovery Act (RCRA) facility. No longer regulated RCRA Corrective Action Sites (CORRACTS)/TSD facilities are also included in this search.	1.0	0
RCRA Non- CORRACTS/ TSD	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities that report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required. No longer regulated RCRA Non-CORRACTS/ TSD facilities are also included in this search.	0.5	0
IC/EC	A listing of sites with engineering controls (EC) and/or institutional controls (IC) in place. EC 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. IC 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.	Site	0
US FRS	The USEPA’s Office of Environmental Information (OEI) developed the United States (US) Facility Registration System (FRS) as the centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest.	Site	1

Affected Environment and Potential Impacts

Database	Description	Radius (miles)	Listings
RCRA Generators	The Resource Conservation and Recovery Act (RCRA) Generators database, maintained by the USEPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as large, small, or conditionally exempt. Large quantity generators (LQG) produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. Small quantity generators (SQG) produce 100-1000 kg/month of non-acutely hazardous waste. Conditionally exempt small quantity generators (CESQG) are those that generate less than 100 kg/month of non-acutely hazardous waste. No longer regulated RCRA Generator facilities are also included in this search.	0.1	0
ERNS	The Emergency Response Notification System (ERNS) is a listing compiled by the USEPA on reported releases of petroleum and hazardous substances to the air, soil and/or water.	Site / Adj.	0
State			
TXSF	The TCEQ maintains a database of Texas Superfund (TXSF) facilities.	1.0	0
VCP	The VCP is a program which provides assistance to owners of property that have become contaminated and want to pursue cleanup on a voluntary basis. Sites entered into the Voluntary Cleanup Program (VCP) may have contaminated soil, groundwater and/or surface water present at the site and on adjacent properties. The source of the contamination may be from historical or recent releases that occurred either on the site or on adjacent property and the VCP applicant may or may not be the person who caused the release.	0.5	0
SWF	The TCEQ maintains a database of Solid Waste Facilities (SWF) located within the State of Texas. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.	0.5	0
CALF	The TCEQ maintains a database of Closed & Abandoned Landfills (CALF) located within the State of Texas.	0.5	0
LPST	The TCEQ provides a computer-generated database of the Leaking Petroleum Storage Tanks (LPST) in the State of Texas.	0.5	0
PST	The TCEQ has compiled a database of registered Petroleum Storage Tanks (PST) in the State of Texas, which may include the owner and location of the PSTs. This database may also include registered Aboveground Storage Tanks (ASTs).	0.1	0
SPILLS	Listing of spills (SPILLS) reported to the TCEQ.	Site / Adj.	0
IOP	Contains information on all sites that are in the Innocent Owner/ Operator Program (IOP).	0.5	0
Brownfields	The Brownfields Site Assessment database includes relevant information on contaminated Brownfields properties that are being cleaned.	0.5	0
APAR	An Affected Property Assessment Report (APAR) is required when a person is addressing a release of chemical of concern (COC) under 30 TAC Chapter 350, the Texas Risk Reduction Program (TRRP). The purpose of the APAR is to document all relevant affected property information to identify all release sources and COCs, determine the extent of all COCs, identify all transport/exposure pathways, and to determine if any response actions are necessary.	0.5	0
IHW	Database of Industrial & Hazardous Waste (IHW) registered facilities reported by waste handlers, generators and shippers in Texas.	0.1	0

Database	Description	Radius (miles)	Listings
DCR	The Dry Clean Register (DCR) listing includes dry cleaning facilities registered with the TCEQ including drop stations. The listing may also contain information regarding the use of chlorinated solvent at a facility.	0.25	0
TIER	The Texas Tier II Chemical Reporting Program (TIER) in the Department of State Services repository for required Emergency Planning Letters, which are one-time notifications to the state from facilities that have certain extremely hazardous chemicals in specified amounts.	0.50	12

Table 6: Federal and State Database provides one US FRS facility adjacent to the proposed project area and 12 listings of notification to the state for extremely hazards chemicals within a 0.50 mile radius of the proposed project site. On April 21, 2013, EPA collected 12 composite soil samples from the City of West and WISD properties and continued air quality monitoring. No concentrations of contaminants of concern were detected above site action levels. The listings were identified because they are located within the 0.25-mile search radius from the project site.

Table 7: Listed Facilities

Facility Name And Location	Distance / Direction from Site	Database Listings
West H S 1008 Jerry Mashek Dr.	~0.0 mile	FRS
Adair Grain, Inc. DBA West Fertilizer Co. 1471 N. Jerry Mashek Drive 76691	0.24 mile NW	TIER II

Table 7 summarizes the facility-specific information provided by the database and/or gathered by this office for listed facilities within the referenced 0.25-mile search radii.

The sites noted above in *Table 7* were damaged, destroyed, or closed due to the West Fertilizer Explosion. Please note the database review did not include certain scopes of work that could be beneficial for identifying RECs such as a review of historical resources and a reconnaissance of adjacent and surrounding properties. Demolition activities occurred under alternative funding sources.

No Action Alternative – Under the No Action Alternative, no construction would occur and there would be no impacts to hazardous materials or waste.

Proposed Action Alternative – Under the Proposed Action Alternative, no hazardous materials or waste impacts are anticipated. Any hazardous materials discovered, generated, or used during construction would be handled and disposed of in accordance with applicable local, state, and federal regulations.

4.6.4 Noise

Noise is generally defined as unwanted sound. Sound is most commonly measured in decibels (dB) on the A-weighted scale, which is the scale most similar to the range of sounds that the human ear can hear. The Day-Night Average Sound Level (DNL) is an average measure of sound. The DNL descriptor is accepted by federal agencies as a standard for estimating sound

impacts and establishing guidelines for compatible land uses. USEPA guidelines, and those of many other federal agencies, state that outdoor sound levels in excess of 55 dB DNL are “normally unacceptable” for noise-sensitive land uses such as residences, schools, or hospitals.

No Action Alternative – Under the No Action Alternative, no construction would occur and there would be no impacts to noise levels.

Proposed Action Alternative – Under the Proposed Action Alternative, a slight temporary increase in ambient noise levels can be expected during the construction activities necessary for the proposed project. Construction normally occurs during daylight hours when occasional loud noises are more tolerable. Provisions will be included in the plans and specifications that require the contractor to make every reasonable effort to minimize construction noise through abatement measures such as work-hour controls and proper maintenance of muffler systems. Due to the nature of the project, significant, long-term or permanent adverse noise impacts will not occur. Permanent noise impacts, abnormal from the prior use of the site are not anticipated. Before the explosion, bands played at different times of the day as well as games and practices occurred at the site. Football games will remain to be played at Trojan Stadium approximately 0.25 mile west of the project site. Baseball and softball games, along with track meets, will only occur during the springtime. These types of events produce little noise during the execution of activities.

4.6.5 Transportation

The proposed project site is located adjacent to Jerry Mashek Road and Pustejovsky Lane at in West, Texas.

No Action Alternative – Under the No Action Alternative, there would be no impacts to transportation would occur.

Proposed Action Alternative – Under the Proposed Action Alternative, transportation impacts are not anticipated. The WISD plans to operate both campuses autonomous from each other, including start and dismissal times, so that the volume of traffic during arrival and dismissal is dispersed strategically, occurring four times during the day with light volume instead of twice a day with heavy volume.

The WISD and City of West will partner to make Jerry Mashek Drive ‘One Way’ in certain directions, along with identifying right of ways and turning lanes. Additionally, the WISD will insert a bus drive in the traffic design of the site and flow traffic to certain parts of the facility for qualifying drivers, such as drop offs, student-drivers, staff, and visitors.

Appropriate signage will also be placed throughout the traffic areas, providing drivers specific directions. Construction vehicles and equipment would be stored on-site during project construction and appropriate signage would be posted on affected roadways. The appropriate signage and barriers should be in place prior to construction activities to alert pedestrians and motorists of project activities.

4.6.6 Public Health and Safety

EO 13045 (Protection of Children) requires federal agencies to make it a high priority to identify and assess environmental health and safety risks that may disproportionately affect children. Safety and security issues considered in this EA include the health and safety of area residents,

the public-at-large, and the protection of personnel involved in the activities related to the construction of the proposed project.

No Action Alternative – Under the No Action Alternative, reconstruction of the facility would not occur and there would be no impacts to public health and safety.

Proposed Action Alternative – Under the Proposed Action Alternative, construction activities could present a temporary safety risks to those performing the activities; however, no impacts to public health and safety are anticipated. To minimize risks, all construction activities would be performed by qualified personnel trained in the proper use of equipment, including all appropriate safety precautions. Additionally, all activities would be conducted in a safe manner in accordance with the standards specified in the Occupational Safety and Health Administration (OSHA) regulations. The appropriate signage and barriers would be in place prior to construction activities to alert pedestrians and motorists of project activities. The construction contractor will be responsible for adhering to the Texas One-Call Law.

Terracon reviewed the USEPA's online EnviroMapper²⁷ for the presence of toxic and radiation facilities located in the project site vicinity. The West Fertilizer Company was previously identified on the EnviroMapper within the project site vicinity. However, the company is no longer in business. As of May 2014, the West Fertilizer Company was no longer identified. Therefore, the proposed project activities are unlikely to encounter direct contact with toxic chemicals and radioactive materials. There are no plans for the former West Fertilizer Company facility or any other hazardous chemical facility to rebuild at the site or near the City of West due to community opposition.

Limited traces of fertilizer were found at the site. However, no indication was provided by TCEQ or USEPA. April 19, 2013 USEPA's Air Monitoring results²⁸ indicated no significant contaminants of concern in the area. On April 21, 2013, USEPA collected 12 composite soil samples from the City of West and WISD properties and continued air quality monitoring. No concentrations of contaminants of concern were detected above site action levels.

The WISD has been challenged to find traffic alternatives prior to the disaster and will do the same with this plan. To alleviate safety concerns, the WISD plans to place monitors at the Spring Street railroad intersection, to assist any pedestrian foot traffic wanting to pass the railroad tracks. Additionally, the WISD will embark upon parent and student-driver training encouraging - as the citizens of West already access to get to the western side of town - the use of all crossings at the following streets: Tokio, Mesquite, Spruce, Pine, Oak, Columbus, Broadway, Virginia, and Grady-Calvary.

Due to the vertical shape of the West civic boundaries, for those children that live in the City of West boundaries, WISD already provides in-town transit bus services. This service transports school children via bus to each campus. The WISD plans to enhance this commuter amenity.

²⁷ U.S. Environmental Protection Agency. *EnviroMapper*. <http://www.epa.gov/emefdata/em4ef.home>.

²⁸ West Fertilizer Emergency Response; U.S. Environmental Protection Agency; West, McLennan County, Texas; PowerPoint. <http://rrt6.org/Uploads/Files/05-30%201000%20West%20Fertilizer%20Emergency%20Response.pdf>

4.7 SUMMARY

The following table summarizes the potential impacts of the Proposed Action Alternative and conditions or mitigation measures to offset those impacts.

Table 8: Potential Impacts

Affected Environment	Impacts	Mitigation
Geology, Soils, and Seismicity	<p>No permanent impacts to geology or seismicity are anticipated.</p> <p>Temporary impacts to 42 acres of soils would occur during site grading and reconstruction of the previous facility.</p> <p>No impacts to prime and unique farmlands would occur.</p>	<p>SWPPP and TPDES permits must be obtained prior to construction.</p> <p>The construction contractor would be required to implement appropriate BMPs, including installation of silt fences and re-vegetation of disturbed soils to minimize erosion. Excavated soil and waste materials will be managed and disposed of in accordance with applicable local, state, and federal regulations. If contaminated materials are discovered during the construction activities, work will cease until appropriate procedures and permits can be implemented.</p>
Air Quality	<p>Minor, short-term impacts to air quality would occur during the construction period.</p>	<p>Construction contractors would be required to water down construction areas when necessary, fuel-burning equipment running times would be kept to a minimum, and engines would be properly maintained.</p>
Surface Water	<p>Minor, short-term impacts to offsite surface waters may occur due to stormwater runoff transporting sediments from soils disturbed during construction.</p>	<p>The applicant would be required to obtain a SWPPP and a TPDES permit for the project. Appropriate BMPs, including installing silt fences and re-vegetating bare soils, would minimize runoff.</p>
Sole Source Aquifer	<p>No impacts to groundwater are anticipated.</p>	<p>If the proposed project requires additional excavation to groundwater depths, the applicant would consult with TCEQ to identify appropriate mitigation.</p>
Waters of the U.S. including Wetlands	<p>No impacts to wetlands or other WOUS are anticipated.</p>	<p>Appropriate BMPs would be implemented to minimize soil erosion and reduce sediment transport to offsite surface waters and wetland areas.</p>
Floodplains	<p>The project is located in Zone X; outside the FEMA 100 and 500 year floodplains. No impacts to floodplains.</p>	<p>None</p>
Coastal Resources	<p>Located outside the Coastal Zone. No impacts to coastal resources.</p>	<p>None</p>

Affected Environment and Potential Impacts

Affected Environment	Impacts	Mitigation
Biological Resources	No impact on biological resources. The 42 acres has been previously disturbed. The project would have “no effect” on federally listed T&E species or migratory birds and would have no impact on state-listed species. No impacts to biological resources.	None
Cultural Resources	No impacts to cultural resources are anticipated.	In the event that archeological deposits, including Native American pottery, stone tools, bones, or human remains, are uncovered, the project shall be halted and the applicant shall stop all work immediately in the vicinity of the discovery and take reasonable measures to avoid or minimize harm to the finds. All archeological findings will be secured and access to the sensitive area restricted. The applicant will inform FEMA immediately and FEMA will consult with the SHPO or THPO and Tribes and work in sensitive areas cannot resume until consultation is completed and appropriate measures have been taken to ensure that the project is in compliance with the NHPA.
Socioeconomics	No adverse socioeconomic impacts are anticipated.	None
Environmental Justice	No disproportionately high or adverse effect on minority or low-income populations is anticipated. All populations would benefit from the proposed project.	None
Hazardous Materials	No hazardous materials or waste impacts are anticipated.	Any hazardous materials discovered, generated, or used during construction would be disposed of and handled in accordance with applicable local, state, and federal regulations.
Noise	Minor, temporary impacts to noise levels would occur at the proposed project site during the construction period.	Construction would take place during normal business hours and equipment would meet all local, state, and federal noise regulations.

Affected Environment and Potential Impacts

Affected Environment	Impacts	Mitigation
Transportation	No transportation impacts are anticipated.	Construction vehicles and equipment would be stored on-site during project construction and appropriate signage would be posted on affected roadways. The appropriate signage and barriers should be in place prior to construction activities to alert pedestrians and motorists of project activities.
Public Health and Safety	No impacts to public health and safety are anticipated.	All construction activities would be performed by qualified personnel and in accordance with the standards specified in OSHA regulations; appropriate signage and barriers would be in place prior to construction activities to alert pedestrians and motorists of project activities. The construction contractor will be responsible for adhering to the Texas One-Call Law.

SECTION FIVE CUMULATIVE IMPACTS

According to CEQ regulations, cumulative impacts represent the “impact on the environment which results from the incremental impact of the action when added to other past, present, and reasonably foreseeable future actions, regardless of what agency (federal or non-federal) or person undertakes such other actions. Cumulative impacts can result from individually minor but collectively significant actions taking place over a period of time (40 CFR 1508.7).” In accordance with NEPA and to the extent reasonable and practical, this EA considered the combined effect of the Proposed Action Alternative and other actions occurring or proposed in the vicinity of the proposed project site.

West ISD and the City of West, Texas are restoring and rebuilding from the West Fertilizer Company Explosion. Over 65 requests for assistance and approximately 150 building permits to restore West, Texas have been sought. The recovery efforts include demolition, reconstruction, and new construction of the community and WISD. Restoring West ISD is an integral part of rebuilding the community. The West High School Complex is anticipated to have a cumulative temporary impact on air quality on the project area by increasing criteria pollutants during construction activities.

Reconstruction and new construction of the proposed West High School Complex is not anticipated to have negative cumulative, direct, or permanent impacts on the proposed project area or community. However, the proposed project is anticipated to have positive impacts on the community by providing improved educational facilities for the community.

SECTION SIX PUBLIC INVOLVEMENT

FEMA is the lead federal agency for conducting the NEPA compliance process for the proposed West High School Complex Project. It is the goal of the lead agency to expedite the preparation and review of NEPA documents and to be responsive to the needs of the community and the purpose and need of the proposed action while meeting the intent of NEPA and complying with all NEPA provisions.

WISD and City of West have provided public information about this project through public media (newspapers, public television, public radio, and internet sites). Below are two examples of the internet sites used for public information:

Restore West ISD (<http://restorewestisd.com/plans.html>)

City of West, Texas (<http://www.cityofwest.com/emergency-info-links>)

The public will be invited to comment on the proposed action and the Draft EA for a period of 30 days. A legal notice will be posted in the local newspaper of record and on FEMA's website (<Http://www.fema.gov/media-library/assets/documents>). Additionally, the Draft EA will be made available for review for a period of 30 days at a public facility in the project area. FEMA will consider and respond to all public comments in the Final EA. If no substantive comments are received, the Draft EA will become final and a Finding of No Significant Impact (FONSI) will be issued for the project.

SECTION SEVEN AGENCY COORDINATION

As part of the development of the EA, federal and state resource protection agencies listed below were contacted. Responses received to date are included in *Appendix C*.

- The Comanche Nation
- The Kiowa Tribe of Oklahoma
- Texas Historical Commission
- Texas Parks and Wildlife Department
- Texas Natural Diversity Database
- The Thlopthlocco Tribal Town
- The Tonkawa Tribe of Oklahoma
- U.S. Fish and Wildlife Service
- USDA – NRCS
- The Wichita and Affiliated Tribes.

In accordance with applicable local, state, and federal regulations, the applicant would be responsible for acquiring any necessary permits prior to commencing construction at the proposed project site.

SECTION EIGHT CONCLUSIONS

No impacts to geology, seismicity, groundwater, WOUS including wetlands, floodplain, coastal resources, biological resources including threatened or endangered species, cultural resources, socioeconomic resources, environmental justice, hazardous materials, and public health, and safety are anticipated under the Proposed Action Alternative. During the construction period, minor short-term impacts to soils, air quality, surface water, and noise are anticipated. These impacts would be mitigated using erosion and sediment control BMPs, and proper equipment maintenance.

The preliminary findings of the Environmental Assessment indicate that the proposed project would result in no significant environmental impacts to the human or natural environment. Therefore, it is anticipated that the proposed action will meet the requirements of a Finding of No Significant Impact (FONSI) under NEPA, and the preparation of an Environmental Impact Statement (EIS) will not be required.

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Huckabee
Fort Worth, Texas

Appendix A
Exhibits



Sources: Huckabee, Inc., Street Basemap, ESRI

Legend

 Project Boundary

DRAWN BY	JC
CHECKED BY	GH
GIS SCALE	1 in: 3 mi
DATE	2/5/2014



Terracon Project No. 92147031



Vicinity Map

West Independent School District
West High School Complex Project
West, McLennan County, Texas

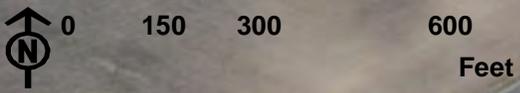
Exhibit 1.0



Sources: Huckabee, Inc., Imagery Basemap, ESRI

Legend

Project Boundary

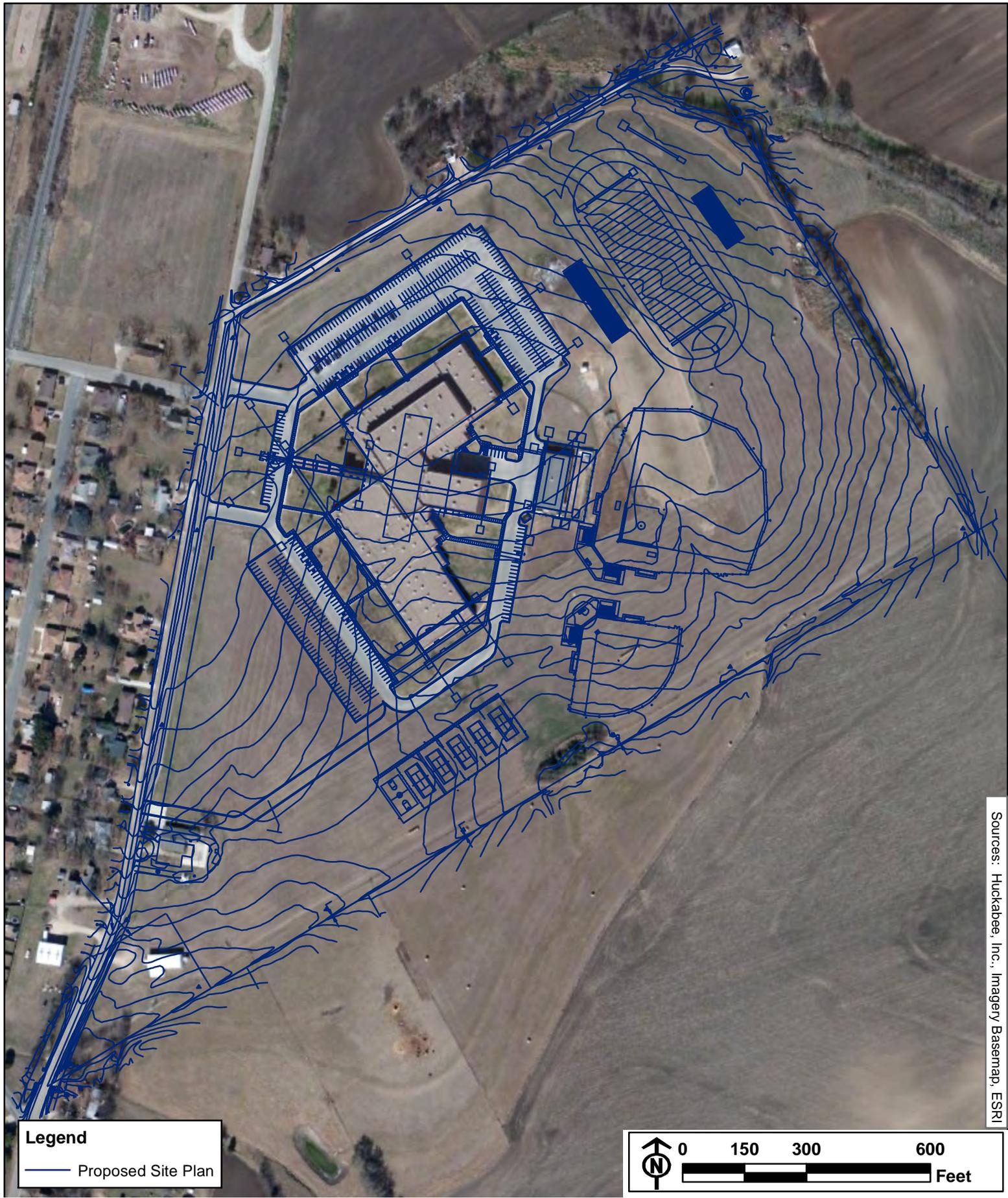


DRAWN BY	JC
CHECKED BY	GH
GIS SCALE	1 in: 300 ft
DATE	2/5/2014

Terracon
 Consulting Engineers & Scientists
 Terracon Project No. 92147031

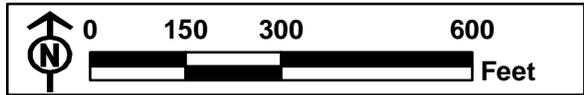
Vicinity Map
 West Independent School District
 West High School Complex Project
 West, McLennan County, Texas

Exhibit
1.1



Sources: Huckabee, Inc., Imagery Basemap, ESRI

Legend
 — Proposed Site Plan



DRAWN BY	JC
CHECKED BY	GH
GIS SCALE	1 in: 300 ft
DATE	2/5/2014

Terracon
 Consulting Engineers & Scientists
 Terracon Project No. 92147031

Vicinity Map
 West Independent School District
 West High School Complex Projects
 West McLennan County, Texas
 Copyright © 2013 Esri, DeLorme, NAVTEQ, TomTom, Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AeroGRID, IGN, IGP, swisstopo, and the GIS User Community

Exhibit
 1.2



Sources: Huckabee, Inc., USGS 1979 Topographic Quadrangle: West, TX, ESRI

Legend

 Project Boundary

DRAWN BY	GH
CHECKED BY	GH
GIS SCALE	1 in: 750 ft
DATE	2/5/2014



Terracon Project No. 92147031

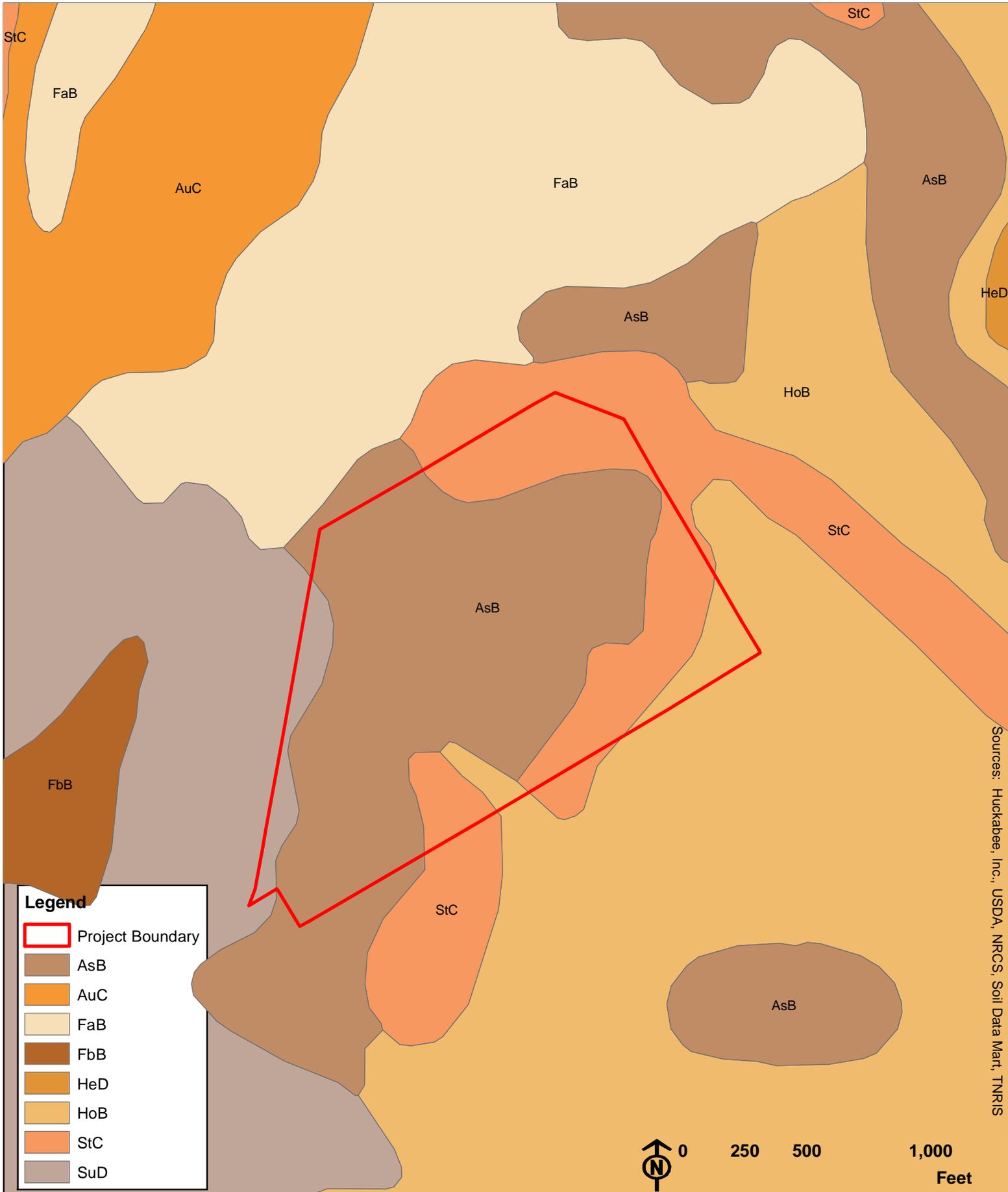


Topographic Map

Exhibit

West Independent School District
 West High School Complex Project
 West, McLennan County, Texas

2.0



Sources: Huckabee, Inc., USDA, NRCS, Soil Data Mart, TNRRS

Legend

- Project Boundary
- AsB
- AuC
- FaB
- FbB
- HeD
- HoB
- StC
- SuD



DRAWN BY	JC
CHECKED BY	GH
GIS SCALE	1 in: 500 ft
DATE	2/5/2014

Terracon Project No. 92147031

McLennan County Soils Map
West Independent School District
West High School Complex Project
West, McLennan County, Texas

Exhibit
3.0



Sources: Hudakbee, Inc., USFWS, NWI, Imagery Basemap, ESRI

Legend

- Scanned NWI Data
- Project Boundary



DRAWN BY	JC
CHECKED BY	GH
GIS SCALE	1 in: 500 ft
DATE	2/5/2014

Terracon
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 Terracon Project No. 92147031

National Wetlands Inventory Map
 West Independent School District
 West High School Complex Project
 West, McLennan County, Texas

Exhibit
4.0

Source: Hucabee, Inc., FEMA FIRM Panel Nos. 48309C0055C & 48309C0066C, TNRI

ANI

ANI = Area Not Included

Legend

 Project Boundary

FEMA Floodplain Zone

 100-Year

 500-Year

 X

 0 250 500 1,000 Feet

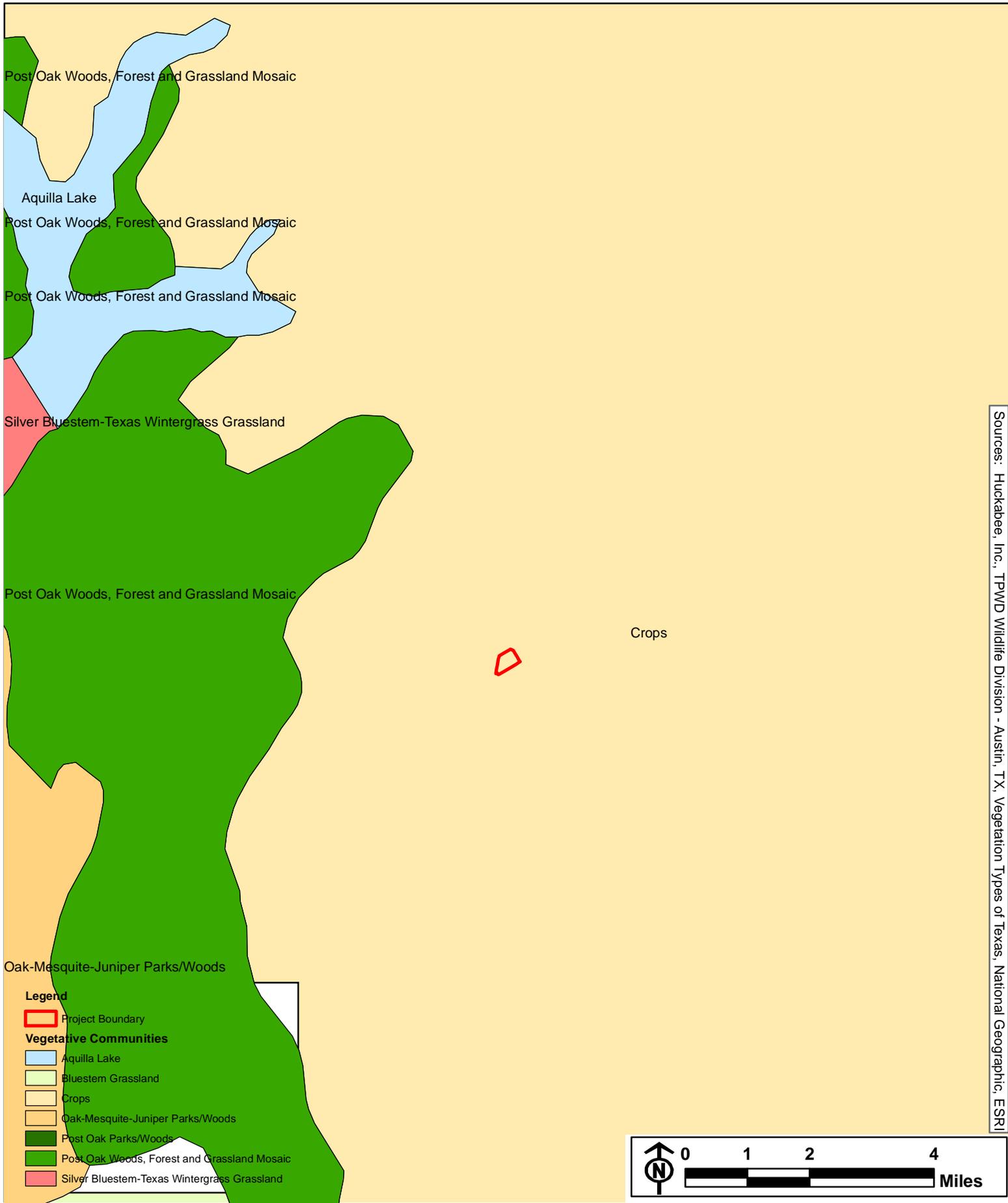
DRAWN BY	JC
CHECKED BY	GH
GIS SCALE	1 in: 500 ft
DATE	2/5/2014

Terracon
Consulting Engineers & Scientists

Terracon Project No. 92147031

FEMA Floodplain Map
West Independent School District
West High School Complex Project
West, McLennan County, Texas

Exhibit
5.0



DRAWN BY	JC
CHECKED BY	GH
GIS SCALE	1 in: 2 mi
DATE	2/5/2014

Terracon
 Consulting Engineers & Scientists
 Terracon Project No. 92147031

The Vegetation Types of Texas Map
 West Independent School District
 West High School Complex Project
 West, McLennan County, Texas

Exhibit
6.0



Legend

- Project Boundary
- Agriculture
- Commercial
- Industrial
- Residential
- School
- Transportation
- Vacant

DRAWN BY JC
 CHECKED BY GH
 GIS SCALE 1 in: 500 ft
 DATE 2/5/2014



Terracon Project No. 92147031



0 250 500 1,000
 Feet

Land Use Map

West Independent School District
 West High School Complex Project
 West, McLennan County, Texas

Exhibit

7.0

Sources: Huckabee, Inc., Google Earth, ESRI



Source: Huckabee, Inc.; USGS, Google Earth

Legend

Project Boundary

0
250
500
1,000
Feet

DRAWN BY	JC
CHECKED BY	GH
GIS SCALE	1 in: 500 ft
DATE	2/5/2014

Consulting Engineers & Scientists

Terracon Project No. 92147031

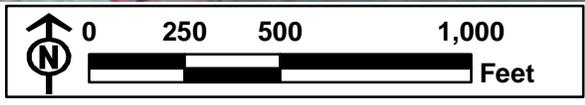
1995 Historic Aerial
 West Independent School District
 West High School Complex Project
 West, McLennan County, Texas

Exhibit
8.0



Source: Huckabee, Inc., TNRS

Legend
 Project Boundary



DRAWN BY	JC
CHECKED BY	GH
GIS SCALE	1 in: 500 ft
DATE	2/5/2014

Terracon
 Consulting Engineers & Scientists
 Terracon Project No. 92147031

2004 Historic Aerial
 West Independent School District
 West High School Complex Project
 West, McLennan County, Texas

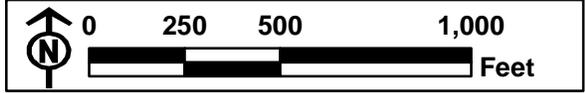
Exhibit
8.1



Source: Huckabee, Inc., TOP, Google Earth

Legend

Project Boundary



DRAWN BY	JC
CHECKED BY	GH
GIS SCALE	1 in: 500 ft
DATE	2/5/2014

Terracon
Consulting Engineers & Scientists

Terracon Project No. 92147031

2008 Historic Aerial
West Independent School District
West High School Complex Project
West, McLennan County, Texas

Exhibit
8.2



Source: Huckabee, Inc., Google Earth

Legend

Project Boundary

0 250 500 1,000 Feet

DRAWN BY	JC
CHECKED BY	GH
GIS SCALE	1 in: 500 ft
DATE	2/5/2014

Terracon
 Consulting Engineers & Scientists
 Terracon Project No. 92147031

2012 Historic Aerial
 West Independent School District
 West High School Complex Project
 West, McLennan County, Texas

Exhibit
8.3

Appendix B
Photograph Log



Photo 1 Looking east from Jerry Mashek Drive.



Photo 2 Looking south from north parking lot.



Photo 3 Looking west from northeast corner of site.



Photo 4 Looking south from north east corner of site.



Photo 5 Looking north at adjacent drainage area along the northeast boundary



Photo 6 Debris located on east side of site.



Photo 7 Debris located on east side of site.



Photo 8 Looking southwest from east central boundary.



Photo 9 Looking south from east central boundary.



Photo 10 Looking north from southeast corner of the site.



Photo 11 Looking west from southeast corner of the site.



Photo 12 Looking northwest from the southeast corner of the site.



Photo 13 Looking north from center of the site at practice field.



Photo 14 Looking west from practice field.



Photo 15 Looking south from practice field.



Photo 16 Looking west at brushline along south boundary.



Photo 17 Looking north from southwest corner of the site.



Photo 18 Looking southwest at damaged educational building .



Photo 19 Looking east at damaged educational building.



Photo 20 Looking northeast at damaged high school.



Photo 21 Looking west at damaged high school.



Photo 22 Looking north at damaged high school from south parking area.

Appendix C
Agency Coordination



February 5, 2014

Texas Parks and Wildlife Department
Habitat Assessment Program
4200 Smith School Road
Austin, Texas 78744

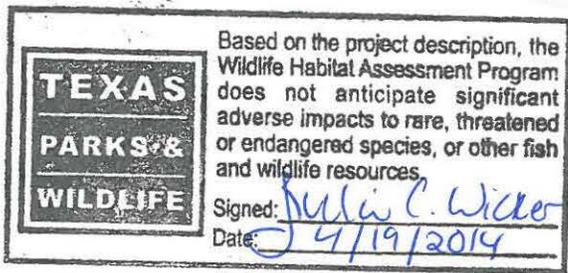
Texas Parks & Wildlife Dept.

FEB 12 2014

Wildlife Habitat Assessment Program

Attention: Ms. Amy Turner, Ph.D.

Re: West High School Complex Project
West Independent School District
~42 Acres of Rebuild and Construction
West, McLennan County, Texas
Terracon Project No. 92147031



Dear Ms. Turner:

On behalf of West Independent School District (WISD), West Texas, Terracon Consultants, Inc. (Terracon) respectfully presents the following request in accordance with the Public Information Act, Chapter 552 (A) of the State of Texas Government Code.

Terracon is conducting an environmental review for WISD in conjunction with the proposed West High School Complex Project. The proposed project involves the rebuilding of West High School and additional construction on approximately 42 acres located at 1008 Jerry Mashek Dr., West, TX 76691 County, McLennan, Texas. The proposed project includes all labor and materials necessary to replace the existing damaged high school and construction of additional educational features at the high school complex. The high school complex was damaged in the explosion of the West Fertilizer Plant on April 17, 2013.

Federal Emergency Management Agency (FEMA) involvement is anticipated (i.e. Public Assistance Program funding), requiring compliance with National Environmental Policy Act (NEPA) regulations in accordance with Title 44, Part 10 of the Code of Federal (CFR) Regulations which requires completion of an environmental review prior to release of funds. This letter is intended to provide notification in order to advise stakeholders of the proposed project and to solicit comments regarding the project. This notification is preceding publication of the environmental document for the project, but does not preclude subsequent review and comment on the documents after publication.

Terracon respectfully requests any written records your agency may have on file for the proposed project area regarding the presence of known habitats of endangered species. The proposed project area is provided on the attached exhibits. In addition, Terracon would

Terracon Consultants, Inc. 11555 Clay Road, Suite 100 Houston, Texas 77343
P [713] 690-8989 F [713] 690-8787 terracon.com

REC'D APR 25 2014

RECEIVED

FEB 12 2014

Texas Historical Commission

February 5, 2014

Texas Historical Commission
State Historic Preservation Office
108 West 16th Street
Austin, Texas 78701

Attention: Mr. Mark Wolfe

Re: West High School Complex Project
West Independent School District
~42 Acres of Rebuild and Construction
West, McLennan County, Texas
Terracon Project No. 92147031

Dear Mr. Wolfe:

On behalf of West Independent School District (WISD), West Texas, Terracon Consultants, Inc. (Terracon) respectfully presents the following request in accordance with the Public Information Act, Chapter 552 (A) of the State of Texas Government Code.

Terracon is conducting an environmental review for WISD in conjunction with the proposed West High School Complex Project. The proposed project involves the rebuilding of West High School and additional construction on approximately 42 acres located at 1008 Jerry Mashek Dr., West, TX 76691 County, McLennan, Texas. The proposed project includes all labor and materials necessary to replace the existing damaged high school and construction of additional educational features at the high school complex. The high school complex was damaged in the explosion of the West Fertilizer Plant on April 17, 2013.

Federal Emergency Management Agency (FEMA) involvement is anticipated (i.e. Public Assistance Program funding), requiring compliance with National Environmental Policy Act (NEPA) regulations in accordance with Title 44, Part 10 of the Code of Federal (CFR) Regulations which requires completion of an environmental review prior to release of funds. As part of the environmental review efforts, we are informing you of the initiation of this investigation. This letter is intended to provide notification in order to advise stakeholders of the proposed project and to solicit comments regarding the project. This notification is preceding publication of the environmental document for the project, but does not preclude subsequent review and comment on the documents after publication.

January 23, 2014, Terracon requested a review of recorded historical and archeological

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REC'D FEB 21 2014

U.S. Fish and Wildlife Service

West High School Complex Project ■ West, Texas

February 5, 2014 ■ Terracon Project No. 92147031



information for the project site and a 0.5-mile search buffer by the Texas Archeological Research Laboratory (TARL). In a letter, dated January 30, 2014, the TARL stated that its research determined that no archeological or historical sites have been reported to its office within a 0.5-mile search buffer of the project site (reference *TARL Letter* attached to this letter). According to the letter, TARL additionally conducted a search of the THC's online Texas Historic Atlas and the National Parks Service's online NRHP. This search did not reveal sites listed on the NRHP or as State Archeological Landmarks within the project search radius. Given that the search conducted by TARL did not reveal the presence of archeological or historical sites in the project vicinity, it is the opinion of Terracon that the proposed project will not impact archeological or historical resources.

Terracon respectfully requests any written records your agency may have on file for the proposed project area. The proposed project area consists predominately of residential properties and is provided on the attached exhibits. In addition, Terracon would appreciate an agency review of the project area regarding any regulatory prohibitions with respect to compliance with Section 106 of the National Historic Preservation Act (NHPA) and/or CFR 36 Part 800 regarding protection of historic properties or any other applicable adopted rules or guidelines.

Comments can be sent to Terracon at the address listed at the bottom of the front page of this letter. If no comments are received within 30 days of the date of this letter, Terracon will assume that the THC has no objection to the proposed project. If you have any questions regarding the enclosed information please feel free to contact Ms. Ginger Horn at 713-329-2513 or email at gchorn@terracon.com.

Thank you for your cooperation.

Sincerely,

Terracon Consultants, Inc.



Carland G. Holstead
Project Biologist

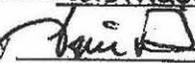
Ginger C. Horn
Senior Project Manager

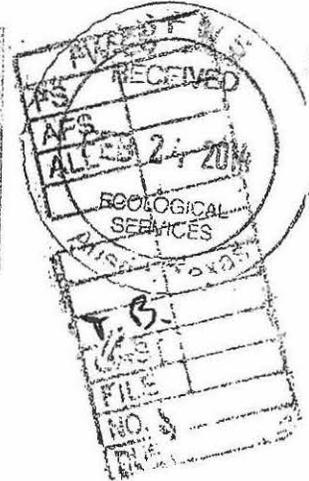
Attachments: Exhibit 1.0 – Vicinity Map
 Exhibit 2.0 – Topographic Map
 TARL Letter

Terracon

February 20, 2014

U.S. Fish and Wildlife Service
Austin Ecological Services Office
10711 Burnet Road, Suite 200
Austin, Texas 78758

NO ACTION	
Date:	Feb. 28, 2014
Consultation #:	02ETRAU04-2014-TA-0093
Approved by:	
For:	Adam Zerrenner, Field Supervisor U.S. FISH & WILDLIFE SERVICE, AUSTIN, TEXAS



Attention: Ms. Charlotte Kucera

Re: Additional Information for Request on February 19, 2014
West High School Complex Project
West Independent School District
~42 Acres of Rebuild and Construction
West, McLennan County, Texas
31.811431°, -97.086607°
Terracon Project No. 92147031

Dear Ms. Kucera:

Terracon conducted a preliminary review using the USFWS Southwest Region Ecological Services Office's Endangered Species List by County for Texas web page (accessed February 2014). Additional information detailing typical habitat was obtained from the USFWS website (accessed February 2014). Based on a review of the website, black-capped Vireo (*Vireo atricapilla*), golden-cheeked warbler (*Dendroica chrysoparia*), whooping crane (*Grus americana*), were identified in McLennan County.

The Black-capped Vireo lives in oak-juniper woodlands with distinctive patchy, two-layered aspect, which include a shrub and tree layer with open, grassy spaces. The species requires foliage reaching to ground level for nesting cover and species composition is less important than the presence of adequate broad-leaved shrubs and foliage to ground level. The site does not provided suitable habitat due to previous development onsite and commercial and agriculture development surrounding the proposed site.

The Golden-cheeked Warbler lives in juniper-oak woodlands and is dependent on Ashe juniper (*Juniperus Ashei*) for long fine bark strips, which are only available from mature trees, used in nest construction; nests are placed in various trees other than Ashe juniper. The site does not provided suitable habitat due to previous development onsite and commercial and agriculture development surrounding the proposed site.

Terracon Consultants, Inc. 11555 Clay Road, Suite 100 Houston, Texas 77343
P [713] 690-8989 F [713] 690-8787 terracon.com

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

U.S. Fish and Wildlife Service
 Attn: Mr. Adam Zerrenner
 Austin Ecological Services Field Office
 10711 Burnet Road, Suite 200
 Austin, Texas 78758

2. Article Number

(Transfer from service label)

7006 3450 0002 7732 4286

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Edward L. Wolfe* Agent Addressee

B. Received by (Printed Name)

Edward L. Wolfe

C. Date of Delivery

*2/10/14*D. Is delivery address different from item 1? YesIf YES, enter delivery address below: No

3. Service Type

 Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee)

 Yes**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Texas Parks and Wildlife Department
 Attn: Ms. Amy Turner, Ph.D.
 Habitat Assessment Program
 4200 Smith School Road
 Austin, Texas 78744

2. Article Number

(Transfer from service label)

7006 3450 0002 7732 4309

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

 Agent Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? YesIf YES, enter delivery address below: No

3. Service Type

 Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee)

 Yes**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Texas Historical Commission
 Attn: Mr. Mark Wolfe
 State Historic Preservation Office
 108 West 16th Street
 Austin, Texas 78701

2. Article Number

(Transfer from service label)

7006 3450 0002 7732 4293

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

 Agent Addressee

B. Received by (Printed Name)

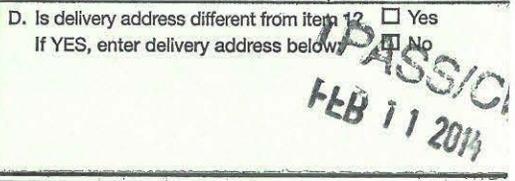
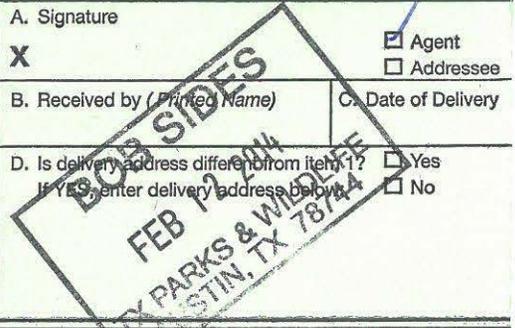
C. Date of Delivery

D. Is delivery address different from item 1? YesIf YES, enter delivery address below: No

3. Service Type

 Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee)

 Yes

Horn, Ginger C

From: Texas Natural Diversity Database <TexasNatural.DiversityDatabase@tpwd.texas.gov>
Sent: Sunday, February 02, 2014 2:03 PM
To: Horn, Ginger C
Subject: RE: TXNDD Search Request
Attachments: horn_20140123.zip

Follow Up Flag: Follow up
Flag Status: Flagged

Ms. Horn,

The Texas Natural Diversity Database ([TXNDD](#)) includes federal, and state listed and tracked Threatened, Endangered, and Rare species. The attached .zip file contains documents that will guide you in appropriate use, restrictions, and shapefile interpretation of Texas NDD data as well as a request for adding data to the TXNDD. **At this time, the TXNDD is showing that we do not have available information in the requested quads;** areas where EO data are absent **do not mean** absence of occurrence for Threatened, Endangered, and Rare species. Included is an **EO List** of the T&E and Rare species element occurrences that are on the quads adjacent to your request area. The **EO List** is to inform you of other potential federal, and state listed and tracked Threatened, Endangered, and Rare species within the area. To round out your review, please use the Rare, Threatened, and Endangered Species of Texas by County application found [here](#). For questions regarding the application please contact Julie Wicker at Amy.Turner@tpwd.texas.gov or (361) 576-0022 x223.

- If your project area is in Travis, Williamson, or Bexar county it is highly recommended that you download the GIS shapefiles for the Karst Zones from the USFWS website <http://www.fws.gov/southwest/es/austintexas/> and/or contact Jenny Wilson – USFWS at (512)490-0057 x 231 for a review of the project location. All three counties are known to have multiple important karst features.
- If your information request includes one or more records for **Bald Eagle** or **colonial waterbirds**, contact Brent Ortego at brent.ortego@tpwd.state.tx.us or (361) 576-0022 for more up-to-date information on the **Bald Eagle** or **colonial waterbirds**.
- **For communication towers**, in addition to the USFWS guidelines in the attachment and the links at towerkill.com, there is research identifying a simple way to reduce bird strike and high bird mortality at towers. Gehring J., P. Kerlinger, A.M. Manville II. (2009) Communication towers, lights, and birds: successful methods of reducing the frequency of avian collisions. Ecological Applications: Vol. 19, No. 2, pp. 505-514.doi: 10.1890/07-1708.1
- For **wind energy or transmission related projects**, to obtain the Department's guidelines it is also recommended to contact Kathy Boydston, the Department lead, at kathy.boydston@tpwd.state.tx.us or 512/389-4638. In addition, the U.S. Fish and Wildlife Service's Interim Guidance on Avoiding and Minimizing Wildlife Impacts from Wind Turbines, along with other helpful links and information, can be accessed at: <http://www.fws.gov/habitatconservation/wind.html>.
- If your information request contains records for **Texas trailing phlox** you should contact Jason Singhurst at jason.singhurst@tpwd.state.tx.us or (512) 389-8726.

***Absence of information in an area does not mean absence of occurrence.** Given the small proportion of public versus private land in Texas, the TXNDD does not include a representative inventory of rare resources in the state. Data from the TXNDD do not provide a definitive statement as to the presence, absence, or condition of special species, natural communities, or other significant features within your project area. These data cannot substitute for an on-site evaluation by qualified biologists.*

Additional sources of data:

TPWD Annotated County Lists: http://www.tpwd.state.tx.us/landwater/land/maps/gis/ris/endangered_species/
USFWS species lists: http://ecos.fws.gov/tess_public/servlet/gov.doi.tess_public.servlets.EntryPage

USFWS CRITICAL HABITAT: <http://criticalhabitat.fws.gov/>

Ecologically Significant Stream Segments: http://www.tpwd.state.tx.us/landwater/land/maps/gis/data_downloads/

Ecologically Significant Stream Segment Information:

http://www.tpwd.state.tx.us/landwater/water/enviroconcerns/water_quality/sigsegs/

Bob Gottfried
Texas Natural Diversity Database Administrator
Texas Parks and Wildlife - Wildlife Division
4200 Smith School Rd
Austin, TX 78744
512-389-8744
[TXNDD Information](#)

Please make a note of my new email address: Bob.Gottfried@tpwd.texas.gov

From: Horn, Ginger C [mailto:gchorn@terracon.com]
Sent: Thursday, January 23, 2014 10:58 AM
To: Texas Natural Diversity Database
Subject: TXNDD Search Request

TPWD Representative,

I am requesting TXNDD data for our project site (West High School) that is located within the West, TX USGS Topographic quadrangle. Attached you will find a copy of a topographic map with our outlined project site. Thank you for your time,
Ginger

Ginger C. Horn
Manager I Natural/Cultural Resource Services
Terracon
11555 Clay Road, Suite 100 | Houston, Texas 77043
P [713] 690-8989 | F [713] 690-8787 | M [214] 497-9906
Direct Office Phone [713] 329-2513
gchorn@terracon.com | terracon.com

Terracon provides environmental, facilities, geotechnical, and materials consulting engineering services delivered with responsiveness, resourcefulness, and reliability.

Private and confidential as detailed here (www.terracon.com/disclaimer). If you cannot access hyperlink, please e-mail sender.

Horn, Ginger C

From: Horn, Ginger C
Sent: Monday, May 05, 2014 9:33 AM
To: 'Brister, Jeffrey - NRCS, Waco, TX'
Subject: RE: Prime Farmland
Attachments: Farmland.pdf; All Exhibits reduced.pdf

Jeff,
Please see the attached AD-1006 and exhibits of the project site. The original high school was build prior to 2004 on 42 acres. Some of the land was used for hay after 2004. The West ISD will be increasing athletic fields but will be using the 42 acres only. They will not be adding any additional land. The project site is zone "school" (see Exhibit 7). Please let me know if you need any additional information.
Thanks!!!
Ginger

Ginger C. Horn
Manager I Natural/Cultural Resource Services

Terracon

11555 Clay Road, Suite 100 | Houston, Texas 77043
P [713] 690-8989 | F [713] 690-8787 | M [214] 497-9906
Direct Office Phone [713] 329-2513
gchorn@terracon.com | terracon.com

From: Brister, Jeffrey - NRCS, Waco, TX [<mailto:Jeffrey.Brister@tx.usda.gov>]
Sent: Monday, May 05, 2014 8:49 AM
To: Horn, Ginger C
Subject: Prime Farmland

Ginger,
My Zone soil Scientist said that if you can forward it to me, he can send it up to the acting state soil scientist.

Thanks,

Jeff

Jeffrey S. Brister
Soil Conservationist
United States Department of Agriculture
Natural Resources Conservation Service
Waco Service Center
5040 S. Loop 340
Waco, TX 76706
P: (254) 662-3623 x 3
F: (254) 662-4203
E: Jeffrey.Brister@TX.USDA.GOV

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FARMLAND CONVERSION IMPACT RATING

PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request 05/05/2014			
Name of Project West High School Complex Project		Federal Agency Involved FEMA c/o Terracon			
Proposed Land Use School Complex		County and State McLennan County, Texas			
PART II (To be completed by NRCS)		Date Request Received By NRCS		Person Completing Form:	
Does the site contain Prime, Unique, Statewide or Local Important Farmland? <i>(If no, the FPPA does not apply - do not complete additional parts of this form)</i>		YES <input type="checkbox"/>	NO <input type="checkbox"/>	Average Farm Size	
Farmable Land In Govt. Jurisdiction Acres: %		Amount of Farmland As Defined in FPPA Acres: %			
		Date Land Evaluation Returned by NRCS			
PART III (To be completed by Federal Agency)		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		42			
B. Total Acres To Be Converted Indirectly					
C. Total Acres In Site		42			
PART IV (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland					
B. Total Acres Statewide Important or Local Important Farmland					
C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted					
D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value					
PART V (To be completed by NRCS) Land Evaluation Criterion Relative Value of Farmland To Be Converted (Scale of 0 to 100 Points)					
PART VI (To be completed by Federal Agency) Site Assessment Criteria <i>(Criteria are explained in 7 CFR 658.5 b. For Corridor project use form NRCS-CPA-106)</i>		Maximum Points	Site A	Site B	Site C
1. Area In Non-urban Use		(15)	15		
2. Perimeter In Non-urban Use		(10)	10		
3. Percent Of Site Being Farmed		(20)	0		
4. Protection Provided By State and Local Government		(20)	0		
5. Distance From Urban Built-up Area		(15)	5		
6. Distance To Urban Support Services		(15)	0		
7. Size Of Present Farm Unit Compared To Average		(10)	5		
8. Creation Of Non-farmable Farmland		(10)	10		
9. Availability Of Farm Support Services		(5)	2		
10. On-Farm Investments		(20)	0		
11. Effects Of Conversion On Farm Support Services		(10)	0		
12. Compatibility With Existing Agricultural Use		(10)	0		
TOTAL SITE ASSESSMENT POINTS		160	47	0	0
PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)		100	0	0	0
Total Site Assessment (From Part VI above or local site assessment)		160	47	0	0
TOTAL POINTS (Total of above 2 lines)		260	47	0	0
Site Selected:		Date Of Selection		Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>	
Reason For Selection: <p>The 42-acre site complex is zoned as "School". A high school and practice fields were built prior to 2004. The West ISD allowed portions of the site to be cut for hay after 2004. The site is surrounded on the north, east, and south by prime farm land.</p>					
Name of Federal agency representative completing this form: Terracon - Ginger C. Horn					Date:

STEPS IN THE PROCESSING THE FARMLAND AND CONVERSION IMPACT RATING FORM

- Step 1 - Federal agencies (or Federally funded projects) involved in proposed projects that may convert farmland, as defined in the Farmland Protection Policy Act (FPPA) to nonagricultural uses, will initially complete Parts I and III of the form. For Corridor type projects, the Federal agency shall use form NRCS-CPA-106 in place of form AD-1006. The Land Evaluation and Site Assessment (LESA) process may also be accessed by visiting the FPPA website, <http://fppa.nrcs.usda.gov/lesa/>.
- Step 2 - Originator (Federal Agency) will send one original copy of the form together with appropriate scaled maps indicating location(s) of project site(s), to the Natural Resources Conservation Service (NRCS) local Field Office or USDA Service Center and retain a copy for their files. (NRCS has offices in most counties in the U.S. The USDA Office Information Locator may be found at http://offices.usda.gov/scripts/ndISAPI.dll/oip_public/USA_map, or the offices can usually be found in the Phone Book under U.S. Government, Department of Agriculture. A list of field offices is available from the NRCS State Conservationist and State Office in each State.)
- Step 3 - NRCS will, within 10 working days after receipt of the completed form, make a determination as to whether the site(s) of the proposed project contains prime, unique, statewide or local important farmland. (When a site visit or land evaluation system design is needed, NRCS will respond within 30 working days.
- Step 4 - For sites where farmland covered by the FPPA will be converted by the proposed project, NRCS will complete Parts II, IV and V of the form.
- Step 5 - NRCS will return the original copy of the form to the Federal agency involved in the project, and retain a file copy for NRCS records.
- Step 6 - The Federal agency involved in the proposed project will complete Parts VI and VII of the form and return the form with the final selected site to the servicing NRCS office.
- Step 7 - The Federal agency providing financial or technical assistance to the proposed project will make a determination as to whether the proposed conversion is consistent with the FPPA.

INSTRUCTIONS FOR COMPLETING THE FARMLAND CONVERSION IMPACT RATING FORM

(For Federal Agency)

Part I: When completing the "County and State" questions, list all the local governments that are responsible for local land use controls where site(s) are to be evaluated.

Part III: When completing item B (Total Acres To Be Converted Indirectly), include the following:

1. Acres not being directly converted but that would no longer be capable of being farmed after the conversion, because the conversion would restrict access to them or other major change in the ability to use the land for agriculture.
2. Acres planned to receive services from an infrastructure project as indicated in the project justification (e.g. highways, utilities planned build out capacity) that will cause a direct conversion.

Part VI: Do not complete Part VI using the standard format if a State or Local site assessment is used. With local and NRCS assistance, use the local Land Evaluation and Site Assessment (LESA).

1. Assign the maximum points for each site assessment criterion as shown in § 658.5(b) of CFR. In cases of corridor-type project such as transportation, power line and flood control, criteria #5 and #6 will not apply and will, be weighted zero, however, criterion #8 will be weighed a maximum of 25 points and criterion #11 a maximum of 25 points.
2. Federal agencies may assign relative weights among the 12 site assessment criteria other than those shown on the FPPA rule after submitting individual agency FPPA policy for review and comment to NRCS. In all cases where other weights are assigned, relative adjustments must be made to maintain the maximum total points at 160. For project sites where the total points equal or exceed 160, consider alternative actions, as appropriate, that could reduce adverse impacts (e.g. Alternative Sites, Modifications or Mitigation).

Part VII: In computing the "Total Site Assessment Points" where a State or local site assessment is used and the total maximum number of points is other than 160, convert the site assessment points to a base of 160.

Example: if the Site Assessment maximum is 200 points, and the alternative Site "A" is rated 180 points:

$$\frac{\text{Total points assigned Site A}}{\text{Maximum points possible}} = \frac{180}{200} \times 160 = 144 \text{ points for Site A}$$

For assistance in completing this form or FPPA process, contact the local NRCS Field Office or USDA Service Center.

NRCS employees, consult the FPPA Manual and/or policy for additional instructions to complete the AD-1006 form.

United States Department of Agriculture



Natural Resources Conservation Service
101 South Main Street
Temple, Texas 76501-7602
Telephone: 254-742-9800 Fax: 254-742-9819

May 6, 2014

Terracon
11555 Clay Road
Suite 100
Houston, Texas 77043

Attention: Ginger Horn

Subject: LNU-Farmland Protection
Proposed West High School Complex Project
McLennan County, Texas

We have reviewed the information provided in your correspondence dated May 5, 2014 concerning the athletic field renovation in McLennan County, Texas. This review is part of the National Environmental Policy Act (NEPA) evaluation for Federal Emergency Management Agency (FEMA). We have evaluated the proposed site as required by the Farmland Protection Policy Act (FPPA).

The proposed project is considered to be "prior converted" and is exempt. The Farmland Conversion Impact Rating (Form AD-1006) indicating the exemption is enclosed. We encourage the use of accepted erosion control methods during the construction of this project.

If you have any questions, please contact me at (254) 742-9826, Fax (254) 742-9859 or by email at micki.yoder@tx.usda.gov.

Sincerely,

A handwritten signature in blue ink that reads "Micki Yoder". The signature is fluid and cursive, with the first letters of the first and last names being capitalized.

Micki Yoder
NRCS Soil Conservationist

Attachment

REC'D MAY 14 2014

FARMLAND CONVERSION IMPACT RATING

PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request May 5, 2014			
Name of Project West High School Complex		Federal Agency Involved FEMA			
Proposed Land Use		County and State McLennan County, Texas			
PART II (To be completed by NRCS)		Date Request Received By NRCS May 5, 2014			
Does the site contain prime, unique, statewide or local important farmland? <i>(If no, the FPPA does not apply - do not complete additional parts of this form)</i>		YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	Acres Irrigated	Average Farm Size
Major Crop(s)	Farmable Land In Govt. Jurisdiction Acres: %	Amount of Farmland As Defined in FPPA Acres: %			
Name of Land Evaluation System Used	Name of State or Local Site Assessment System	Date Land Evaluation Returned by NRCS 5-9-14			
PART III (To be completed by Federal Agency)		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly					
B. Total Acres To Be Converted Indirectly					
C. Total Acres In Site					
PART IV (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland					
B. Total Acres Statewide Important or Local Important Farmland					
C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted					
D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value					
PART V (To be completed by NRCS) Land Evaluation Criterion Relative Value of Farmland To Be Converted (Scale of 0 to 100 Points)					
PART VI (To be completed by Federal Agency) Site Assessment Criteria <i>(Criteria are explained in 7 CFR 658.5 b. For Corridor project use form NRCS-CPA-106)</i>		Maximum Points	Site A	Site B	Site C
1. Area In Non-urban Use		(15)			
2. Perimeter In Non-urban Use		(10)			
3. Percent Of Site Being Farmed		(20)			
4. Protection Provided By State and Local Government		(20)			
5. Distance From Urban Built-up Area		(15)			
6. Distance To Urban Support Services		(15)			
7. Size Of Present Farm Unit Compared To Average		(10)			
8. Creation Of Non-farmable Farmland		(10)			
9. Availability Of Farm Support Services		(5)			
10. On-Farm Investments		(20)			
11. Effects Of Conversion On Farm Support Services		(10)			
12. Compatibility With Existing Agricultural Use		(10)			
TOTAL SITE ASSESSMENT POINTS		160			
PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)		100			
Total Site Assessment (From Part VI above or local site assessment)		160			
TOTAL POINTS (Total of above 2 lines)		260			
Site Selected:	Date Of Selection	Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/>			
Reason For Selection:					
Name of Federal agency representative completing this form:					Date:

Appendix D
Supporting Documentation

MCLENNAN COUNTY

BIRDS

		Federal Status	State Status
American Peregrine Falcon	<i>Falco peregrinus anatum</i>	DL	T
<p>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.</p>			
Arctic Peregrine Falcon	<i>Falco peregrinus tundrius</i>	DL	
<p>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.</p>			
Bald Eagle	<i>Haliaeetus leucocephalus</i>	DL	T
<p>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</p>			
Golden-cheeked Warbler	<i>Setophaga chrysoparia</i>	LE	E
<p>juniper-oak woodlands; dependent on Ashe juniper (also known as cedar) for long fine bark strips, only available from mature trees, used in nest construction; nests are placed in various trees other than Ashe juniper; only a few mature junipers or nearby cedar brakes can provide the necessary nest material; forage for insects in broad-leaved trees and shrubs; nesting late March-early summer</p>			
Henslow's Sparrow	<i>Ammodramus henslowii</i>		
<p>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</p>			
Interior Least Tern	<i>Sterna antillarum athalassos</i>	LE	E
<p>subspecies is listed only when inland (more than 50 miles from a coastline); nests along sand and gravel bars within braided streams, rivers; also know to nest on man-made structures (inland beaches, wastewater treatment plants, gravel mines, etc); eats small fish and crustaceans, when breeding forages within a few hundred feet of colony</p>			
Peregrine Falcon	<i>Falco peregrinus</i>	DL	T
<p>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.</p>			
Sprague's Pipit	<i>Anthus spragueii</i>	C	
<p>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.</p>			

MCLENNAN COUNTY

BIRDS

		Federal Status	State Status
Western Burrowing Owl	<i>Athene cunicularia hypugaea</i>		
open grasslands, especially prairie, plains, and savanna, sometimes in open areas such as vacant lots near human habitation or airports; nests and roosts in abandoned burrows			
White-faced Ibis	<i>Plegadis chihi</i>		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			
Whooping Crane	<i>Grus americana</i>	LE	E
potential migrant via plains throughout most of state to coast; winters in coastal marshes of Aransas, Calhoun, and Refugio counties			
Wood Stork	<i>Mycteria americana</i>		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
Guadalupe bass	<i>Micropterus treculii</i>		
endemic to perennial streams of the Edward's Plateau region; introduced in Nueces River system			
Sharpnose shiner	<i>Notropis oxyrhynchus</i>	PE	
endemic to Brazos River drainage; also, apparently introduced into adjacent Colorado River drainage; large turbid river, with bottom a combination of sand, gravel, and clay-mud			
Smalleye shiner	<i>Notropis buccula</i>	PE	
endemic to upper Brazos River system and its tributaries (Clear Fork and Bosque); apparently introduced into adjacent Colorado River drainage; medium to large prairie streams with sandy substrate and turbid to clear warm water; presumably eats small aquatic invertebrates			

MAMMALS

		Federal Status	State Status
Cave myotis bat	<i>Myotis velifer</i>		
colonial and cave-dwelling; also roosts in rock crevices, old buildings, carports, under bridges, and even in abandoned Cliff Swallow (<i>Hirundo pyrrhonota</i>) nests; roosts in clusters of up to thousands of individuals; hibernates in limestone caves of Edwards Plateau and gypsum cave of Panhandle during winter; opportunistic insectivore			
Plains spotted skunk	<i>Spilogale putorius interrupta</i>		
catholic; open fields, prairies, croplands, fence rows, farmyards, forest edges, and woodlands; prefers wooded, brushy areas and tallgrass prairie			

MCLENNAN COUNTY

MAMMALS

		Federal Status	State Status
Red wolf	<i>Canis rufus</i>	LE	E
extirpated; formerly known throughout eastern half of Texas in brushy and forested areas, as well as coastal prairies			

MOLLUSKS

		Federal Status	State Status
False spike mussel	<i>Quadrula mitchelli</i>		T
possibly extirpated in Texas; probably medium to large rivers; substrates varying from mud through mixtures of sand, gravel and cobble; one study indicated water lilies were present at the site; Rio Grande, Brazos, Colorado, and Guadalupe (historic) river basins			
Smooth pimpleback	<i>Quadrula houstonensis</i>	C	T
small to moderate streams and rivers as well as moderate size reservoirs; mixed mud, sand, and fine gravel, tolerates very slow to moderate flow rates, appears not to tolerate dramatic water level fluctuations, scoured bedrock substrates, or shifting sand bottoms, lower Trinity (questionable), Brazos, and Colorado River basins			
Texas fawnsfoot	<i>Truncilla macrodon</i>	C	T
little known; possibly rivers and larger streams, and intolerant of impoundment; flowing rice irrigation canals, possibly sand, gravel, and perhaps sandy-mud bottoms in moderate flows; Brazos and Colorado River basins			

REPTILES

		Federal Status	State Status
Texas garter snake	<i>Thamnophis sirtalis annectens</i>		
wet or moist microhabitats are conducive to the species occurrence, but is not necessarily restricted to them; hibernates underground or in or under surface cover; breeds March-August			
Texas horned lizard	<i>Phrynosoma cornutum</i>		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			
Timber/Canebrake rattlesnake	<i>Crotalus horridus</i>		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			



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Species By County Report

The following report contains Species that are known to or are believed to occur in this county. Species with range unrefined past the state level are now excluded from this report. If you are looking for the Section 7 range (for Section 7 Consultations), please visit the [IPaC](#) application.

County: McLennan, TX

Group	Name	Population	Status	Lead Office	Recovery Plan Name	Recovery Plan Action Status	Recovery Plan Stage
Birds	Whooping crane (<i>Grus americana</i>)	except where EXPN	Endangered	Assistant Regional Director-ecological Services	Whooping Crane Recovery Plan, Final Third Revision	View Implementation Progress	Final Revision 3
	Bald eagle (<i>Haliaeetus leucocephalus</i>)	lower 48 States	Recovery	Rock Island Ecological Services Field Office	Southeastern States Bald Eagle Recovery Plan	View Implementation Progress	Final Revision 1
					Northern States Bald Eagle Recovery Plan	View Implementation Progress	Final
					Chesapeake Bay Bald Eagle Recovery Plan	View Implementation Progress	Final Revision 1
					Southwestern Bald Eagle Recovery Plan	View Implementation Progress	Final
					Recovery Plan for the Pacific Bald Eagle	View Implementation Progress	Final
	Black-capped Vireo (<i>Vireo atricapilla</i>)	Entire	Endangered	Arlington Ecological Services Field Office	Black-capped Vireo (<i>Vireo atricapilla</i>) Recovery Plan	View Implementation Progress	Final
	Golden-cheeked warbler (=wood) (<i>Dendroica chrysoparia</i>)	Entire	Endangered	Austin Ecological Services Field Office	Golden-cheeked Warbler	View Implementation Progress	Final
Clams	Smooth pimpleback (<i>Quadrula houstonensis</i>)		Candidate	Austin Ecological Services Field Office	-	-	-

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

Custom Soil Resource Report for McLennan County, Texas



Preface

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

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

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

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

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

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

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How Soil Surveys Are Made

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

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

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

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

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

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individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

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

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

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

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

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

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

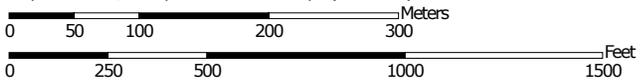
Soil Map

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

Custom Soil Resource Report Soil Map



Map Scale: 1:5,790 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 14N WGS84

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

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

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

Water Features

 Streams and Canals

Transportation

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

Background

 Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
 Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: McLennan County, Texas
 Survey Area Data: Version 11, Dec 12, 2013

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

Date(s) aerial images were photographed: Jan 8, 2011—Feb 13, 2011

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

Map Unit Legend

McLennan County, Texas (TX309)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AsB	Austin silty clay, 1 to 3 percent slopes	35.5	51.7%
HoB	Houston Black clay, 1 to 3 percent slopes	8.7	12.7%
StC	Stephen-Eddy complex, 2 to 5 percent slopes	21.1	30.7%
SuD	Stephen-Urban land complex, 2 to 5 percent slopes	3.3	4.9%
Totals for Area of Interest		68.6	100.0%

Map Unit Descriptions

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

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

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

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic

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classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

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

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

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

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

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

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

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

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

McLennan County, Texas

AsB—Austin silty clay, 1 to 3 percent slopes

Map Unit Setting

Elevation: 500 to 900 feet

Mean annual precipitation: 32 to 40 inches

Mean annual air temperature: 63 to 70 degrees F

Frost-free period: 220 to 250 days

Map Unit Composition

Austin and similar soils: 85 percent

Description of Austin

Setting

Landform: Ridges

Landform position (two-dimensional): Footslope

Landform position (three-dimensional): Base slope

Down-slope shape: Linear

Across-slope shape: Convex

Parent material: Residuum weathered from chalk

Properties and qualities

Slope: 1 to 3 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 70 percent

Available water capacity: Low (about 5.4 inches)

Interpretive groups

Farmland classification: All areas are prime farmland

Land capability (nonirrigated): 3e

Hydrologic Soil Group: C

Ecological site: Clay Loam 28-40" PZ (R086AY199TX)

Typical profile

0 to 15 inches: Silty clay

15 to 30 inches: Silty clay

30 to 36 inches: Bedrock

HoB—Houston Black clay, 1 to 3 percent slopes

Map Unit Setting

Elevation: 400 to 1,000 feet

Mean annual precipitation: 28 to 42 inches

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Mean annual air temperature: 63 to 70 degrees F
Frost-free period: 220 to 250 days

Map Unit Composition

Houston black and similar soils: 90 percent

Description of Houston Black

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder, summit
Landform position (three-dimensional): Interfluvium
Microfeatures of landform position: Circular gilgai
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from calcareous shale of Taylor Marl and Eagleford shale

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water capacity: Moderate (about 8.7 inches)

Interpretive groups

Farmland classification: All areas are prime farmland
Land capability (nonirrigated): 2e
Hydrologic Soil Group: D
Ecological site: Blackland 28-40" PZ (R086AY196TX)

Typical profile

0 to 6 inches: Clay
6 to 35 inches: Clay
35 to 80 inches: Clay

StC—Stephen-Eddy complex, 2 to 5 percent slopes

Map Unit Setting

Elevation: 400 to 1,000 feet
Mean annual precipitation: 30 to 42 inches
Mean annual air temperature: 63 to 70 degrees F
Frost-free period: 230 to 250 days

Map Unit Composition

Stephen and similar soils: 60 percent

Eddy and similar soils: 25 percent

Description of Stephen

Setting

Landform: Ridges

Landform position (two-dimensional): Shoulder, summit

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Residuum weathered from austin chalk formation

Properties and qualities

Slope: 2 to 5 percent

Depth to restrictive feature: 7 to 20 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 30 percent

Available water capacity: Very low (about 1.0 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability (nonirrigated): 4e

Hydrologic Soil Group: D

Ecological site: Chalky Ridge 28-40" PZ (R086AY197TX)

Typical profile

0 to 8 inches: Silty clay

8 to 12 inches: Bedrock

12 to 28 inches: Bedrock

Description of Eddy

Setting

Landform: Ridges

Landform position (two-dimensional): Shoulder, summit

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Residuum weathered from austin chalk

Properties and qualities

Slope: 2 to 5 percent

Depth to restrictive feature: 3 to 15 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.06 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

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Calcium carbonate, maximum content: 80 percent
Available water capacity: Very low (about 0.8 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability (nonirrigated): 6e
Hydrologic Soil Group: D
Ecological site: Chalky Ridge 28-40" PZ (R086AY197TX)

Typical profile

0 to 5 inches: Gravelly clay loam
5 to 9 inches: Gravelly clay loam
9 to 20 inches: Bedrock

SuD—Stephen-Urban land complex, 2 to 5 percent slopes

Map Unit Setting

Elevation: 0 to 4,000 feet
Mean annual precipitation: 8 to 60 inches
Mean annual air temperature: 54 to 73 degrees F
Frost-free period: 180 to 310 days

Map Unit Composition

Stephen and similar soils: 50 percent
Urban land: 40 percent

Description of Stephen

Setting

Landform: Ridges
Landform position (two-dimensional): Summit, shoulder
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from austin chalk formation

Properties and qualities

Slope: 2 to 5 percent
Depth to restrictive feature: 7 to 20 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 30 percent
Available water capacity: Very low (about 1.3 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability (nonirrigated): 4e

Custom Soil Resource Report

Hydrologic Soil Group: D

Typical profile

0 to 10 inches: Silty clay

10 to 15 inches: Bedrock

15 to 30 inches: Bedrock

Description of Urban Land

Interpretive groups

Farmland classification: Not prime farmland

Land capability (nonirrigated): 8s

Typical profile

0 to 40 inches: Variable

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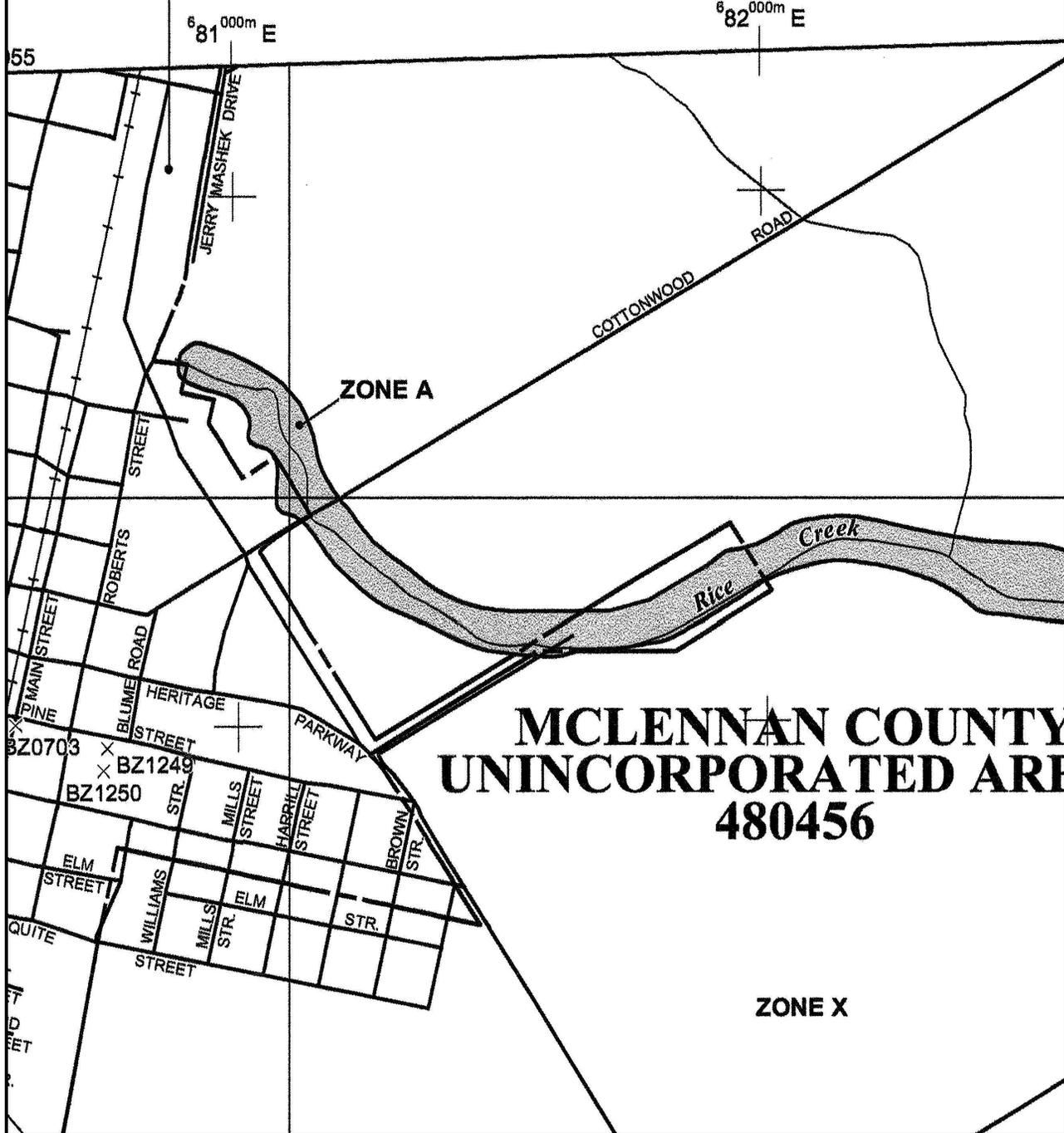
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CITY OF WEST
480931

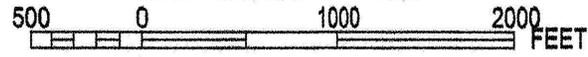


**MCLENNAN COUNTY
UNINCORPORATED AREA
480456**

National Flood Insurance Program at 1-800-638-6620.



MAP SCALE 1" = 1000'



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0065C

FIRM
FLOOD INSURANCE RATE MAP
MCLENNAN COUNTY,
TEXAS
AND INCORPORATED AREAS

PANEL 65 OF 750
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MCLENNAN COUNTY	480456	0065	C
ROSS, CITY OF	481317	0065	C
WEST, CITY OF	480931	0065	C

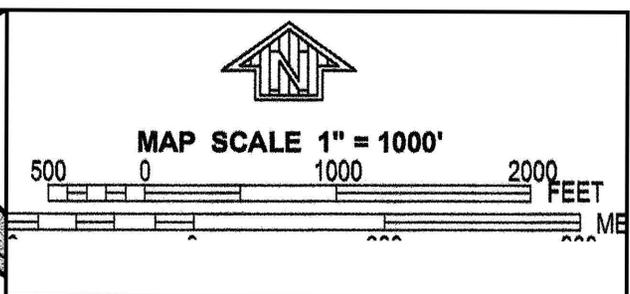
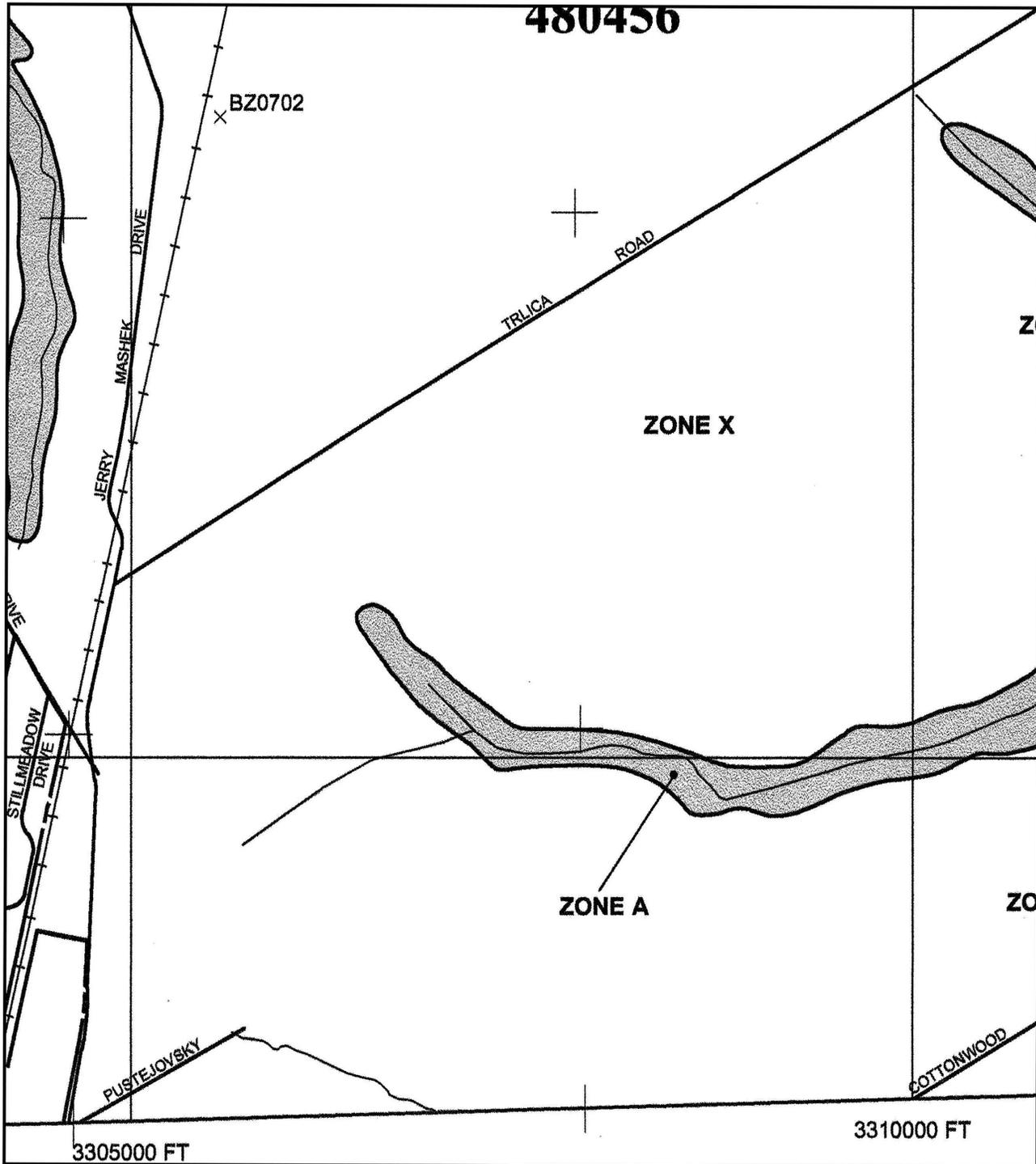
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**MAP NUMBER
48309C0065C**
**EFFECTIVE DATE
SEPTEMBER 26, 2008**

Federal Emergency Management Agency

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PANEL 0055C

FIRM
FLOOD INSURANCE RATE MAP
MCLENNAN COUNTY,
TEXAS
AND INCORPORATED AREAS

PANEL 55 OF 750
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MCLENNAN COUNTY	480456	0055	C
WEST, CITY OF	480931	0055	C

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
48309C0055C
EFFECTIVE DATE
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Federal Emergency Management Agency

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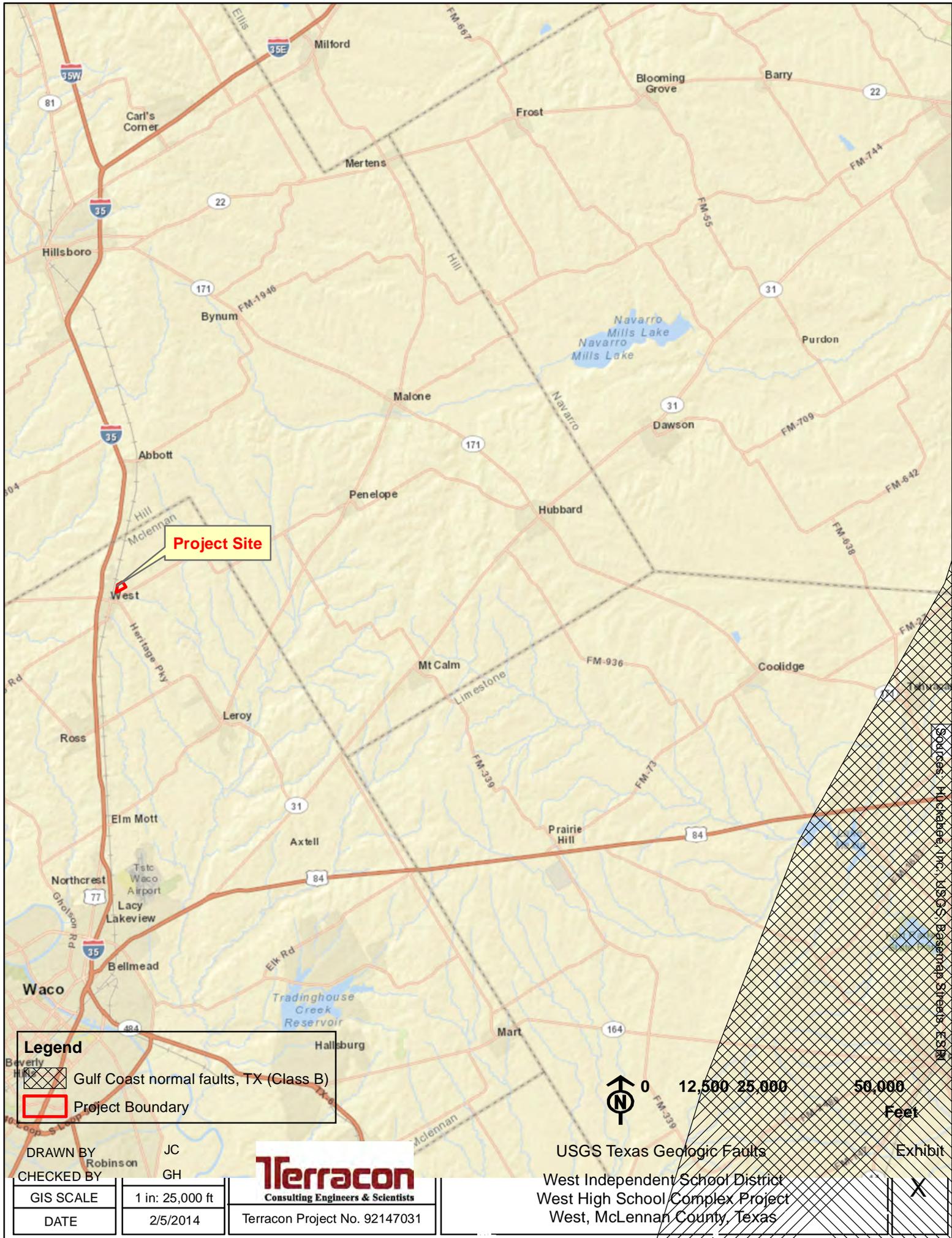
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Navarro and Taylor Groups, undivided

Navarro and Taylor Groups, undivided

<i>State</i>	Texas
<i>Name</i>	Navarro and Taylor Groups, undivided
<i>Geologic age</i>	Phanerozoic Mesozoic Cretaceous Late [Gulfian]
<i>Original map label</i>	Knt
<i>Comments</i>	On Austin Sheet (1974) in areas where Pecan Gap Chalk is not present because of gradation to marl similar to that of the Marlbrook and Ozan Formations. Upper 250 ft, mostly silty, calcar. clay with sandst beds and concretionary masses near top, some interbeds of sandst. near base. Lower 200+- ft, quartz sand, fine grained, silty, locally calcar. concretions in discontin. beds, lt. gray; marine megafossils. Mapped on Sherman Sheet (1967) east of Sabine River. Taylor Group includes claystones of the Sprinkle Formation at base, chalk or marly limestones of the Pecan Gap fm, and overlain by claystones of the Bergstrom Formation.
<i>Primary rock type</i>	clay or mud
<i>Secondary rock type</i>	fine-grained mixed clastic
<i>Other rock types</i>	sandstone; limestone
<i>Lithologic constituents</i>	Major Sedimentary > Clastic > Mixed clastic > Siltstone Mudstone (Bed) Incidental Sedimentary > Carbonate > Limestone (Bed)
<i>Map references</i>	Bureau of Economic Geology, 1992, Geologic Map of Texas: University of Texas at Austin, Virgil E. Barnes, project supervisor, Hartmann, D.M. and Scranton, D.F., cartography, scale 1:500,000
<i>Unit references</i>	Bureau of Economic Geology, 1967, Sherman Sheet, Geologic Atlas of Texas: University of Texas at Austin, Bureau of Economic Geology, scale 1:250,000.
<i>Geographic coverage</i>	Dastrop Dell Milan Travis Williamson

 Show this information as [\[XML\]](#) - [\[JSON\]](#)



Project Site

Legend

-  Gulf Coast normal faults, TX (Class B)
-  Project Boundary



DRAWN BY	Robinson	JC
CHECKED BY	GH	
GIS SCALE	1 in: 25,000 ft	
DATE	2/5/2014	

Terracon
 Consulting Engineers & Scientists
 Terracon Project No. 92147031

USGS Texas Geologic Faults
 West Independent School District
 West High School Complex Project
 West, McLennan County, Texas

Exhibit **X**

Sources: Michels, Inc., USGS, Base on Aerial Stereo, ESRI



Sources: Huckabee, Inc., USGS, Basemap Imagery, ESRI

Legend

- Project Boundary
- Texas Fault 483



DRAWN BY	JC
CHECKED BY	GH
GIS SCALE	1 in: 500 ft
DATE	2/5/2014



Terracon Project No. 92147031

USGS Texas Geologic Faults
 West Independent School District
 West High School Complex Project
 West, McLennan County, Texas

Exhibit
 X



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How to read the maps

The [maps](#) displayed below show how earthquake hazards vary across the United States. Hazards are measured as the likelihood of experiencing earthquake shaking of various intensities.

The colors in the maps denote "seismic design categories" (SDCs), which reflect the likelihood of experiencing earthquake shaking of various intensities. (Building design and construction professionals use SDCs specified in [building codes](#) to determine the level of seismic resistance required for new buildings.)

The following table describes the hazard level associated with each SDC, and the associated levels of shaking. Although stronger shaking is possible in each SDC, it is less probable than the shaking described.

SDC	MAP COLOR	EARTHQUAKE HAZARD	POTENTIAL EFFECTS OF SHAKING*
-----	-----------	-------------------	-------------------------------

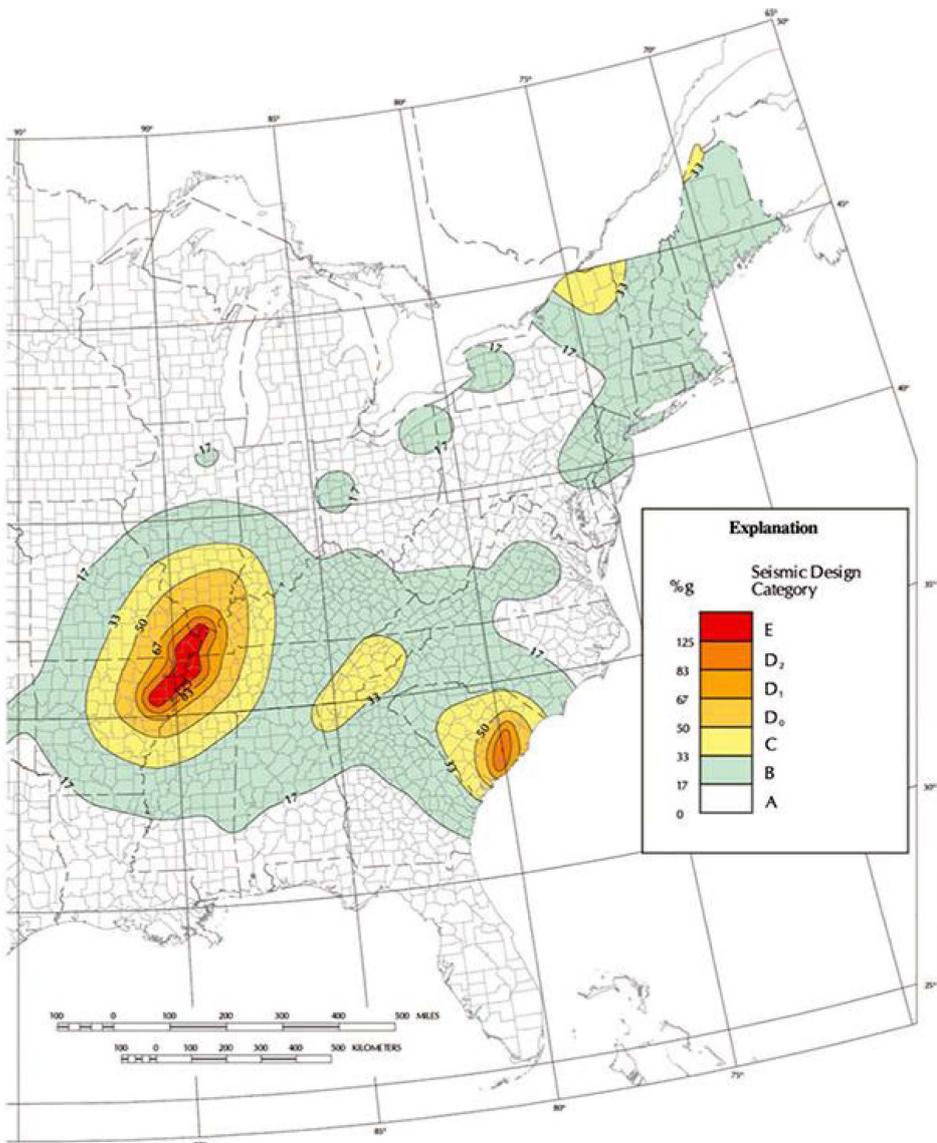
A	White	Very small probability of experiencing damaging earthquake effects.	
B	Gray	Could experience shaking of moderate intensity.	Moderate shaking—Felt by all, many frightened. Some heavy furniture moved; a few instances of fallen plaster. Damage slight.
C	Yellow	Could experience strong shaking.	Strong shaking—Damage negligible in buildings of good design and construction; slight to moderate in well-built ordinary structures; considerable damage in poorly built structures.
D0	Light brown	Could experience very strong shaking (the darker the color, the stronger the shaking).	Very strong shaking—Damage slight in specially designed structures; considerable damage in ordinary substantial buildings with partial collapse. Damage great in poorly built structures.
D1	Darker brown		
D2	Darkest brown		
E	Red	Near major active faults capable of producing the most intense shaking.	Strongest shaking—Damage considerable in specially designed structures; frame structures thrown out of plumb. Damage great in substantial buildings, with partial collapse. Buildings shifted off foundations. Shaking intense enough to completely destroy buildings.

* Abbreviated descriptions from [The Modified Mercalli Intensity Scale](#).

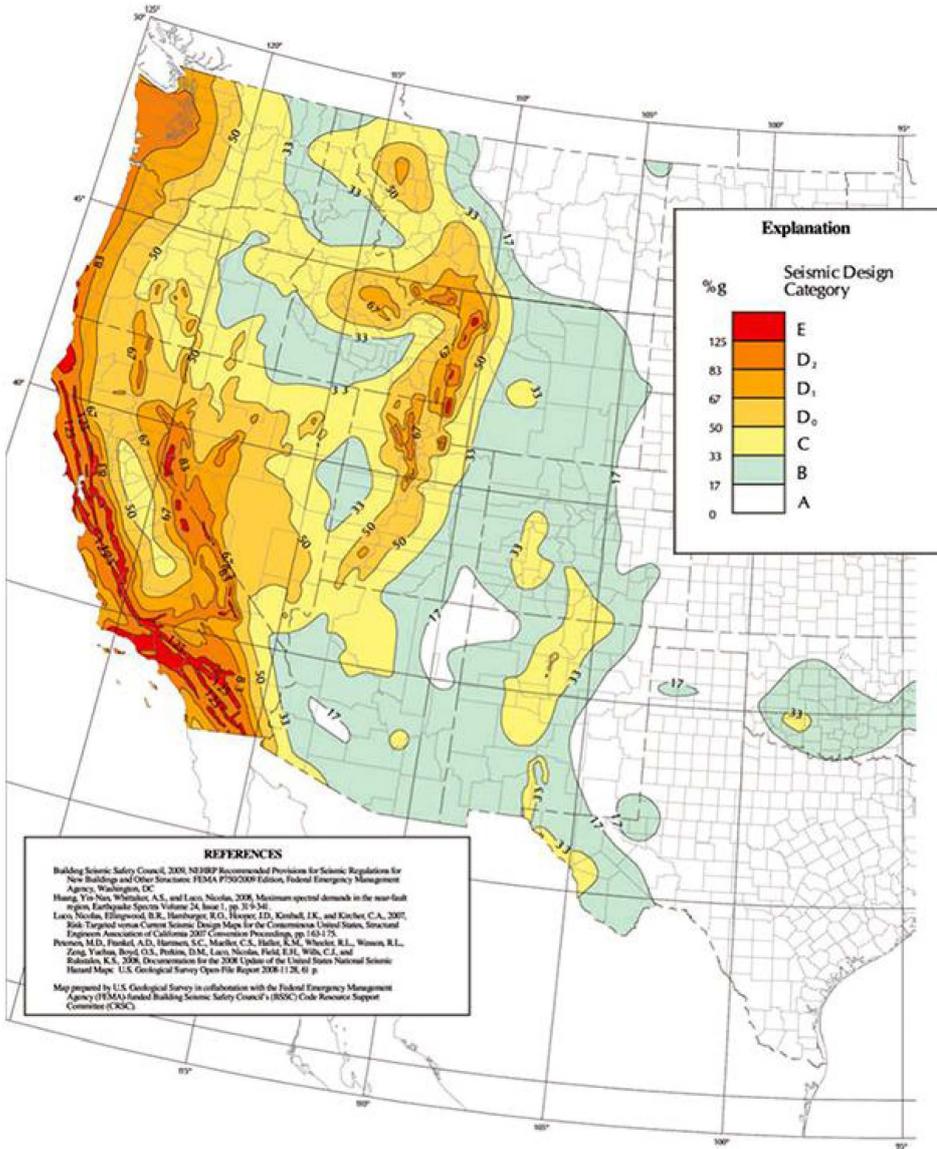
SDCs take into account the type of soil at the site, as poor soils can significantly increase earthquake shaking. These maps have simplified this by assuming normal Site Class "D" soils, which are the most commonly found.

When viewing the maps, it is important to remember that areas with high earthquake hazards do not necessarily face high seismic risks. Defined as the losses that are likely to result from exposure to earthquake hazards, seismic risks are determined not only by hazard levels but also by the amount of people and property that are exposed to the hazards, and by how vulnerable people and property are to the hazards. This is explained in more detail in [Your Earthquake Risk](#).

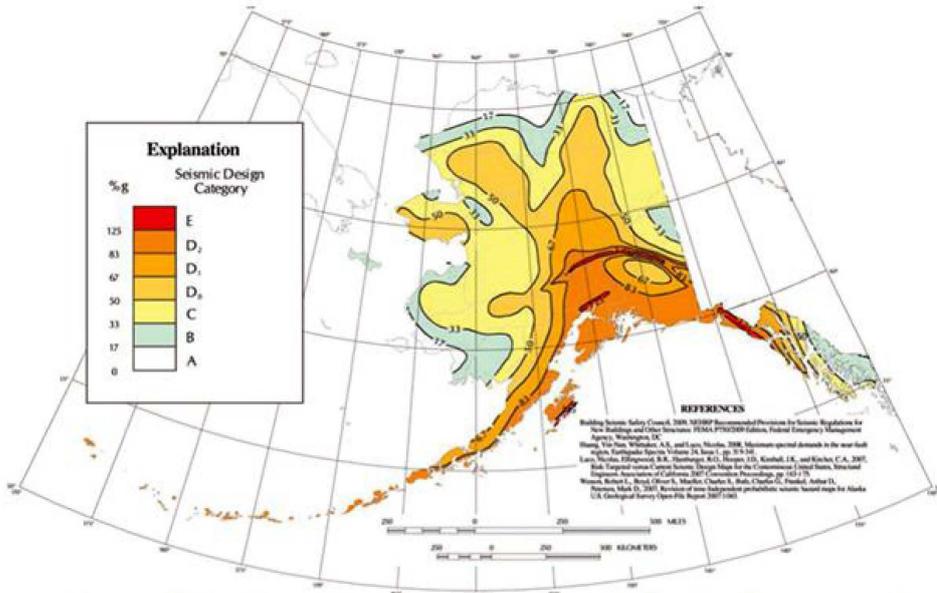
Maps



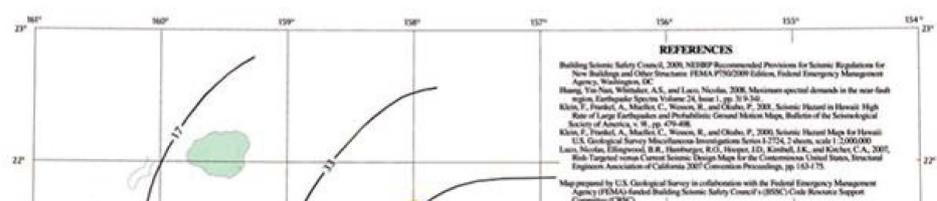
SDC map of the Eastern United States for low-rise Occupancy Category I and II structures located on sites with average alluvial soil conditions.

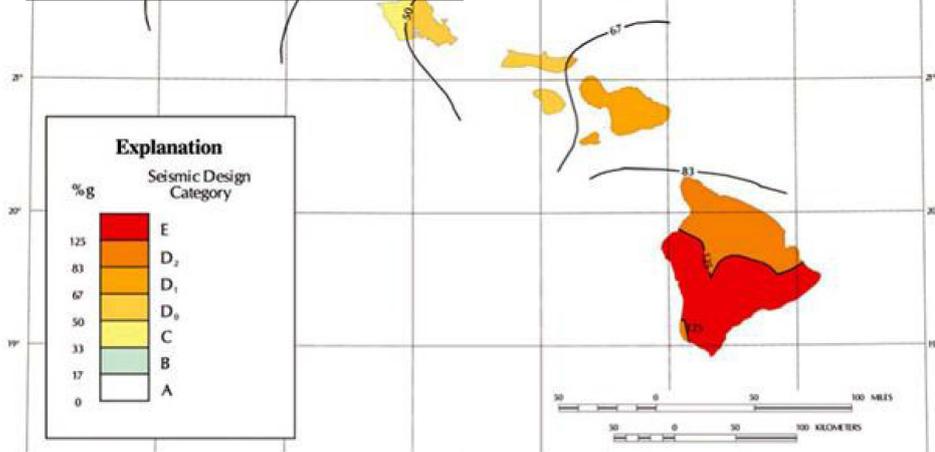


SDC map of the Western United States for low-rise Occupancy Category I and II structures located on sites with average alluvial soil conditions.

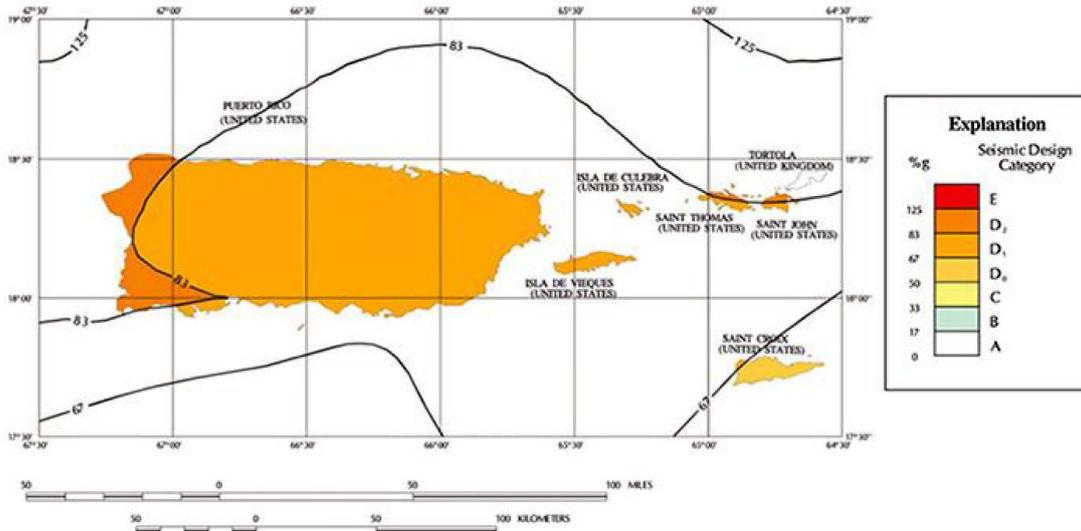


SDC map of Alaska for low-rise Occupancy Category I and II structures located on sites with average alluvial soil conditions.





SDC map of Hawaii for low-rise Occupancy Category I and II structures located on sites with average alluvial soil conditions.



SDC map of Puerto Rico, the United States Virgin Islands, and Tortola for low-rise Occupancy Category I and II structures located on sites with average alluvial soil conditions.

Data for building design professionals

The U.S. Geological Survey, in cooperation with FEMA and the Building Seismic Safety Council, has developed a web-based seismic design application for building designers. This program can be used to obtain the earthquake ground motion parameters needed to design structures for specific geographic locations in accordance with the latest building code reference documents. To access this application, as well as the seismic design maps on which it is based, go to the [U.S. Seismic "DesignMaps" Web Application](#).

Last Updated: 08/09/2012 - 09:18



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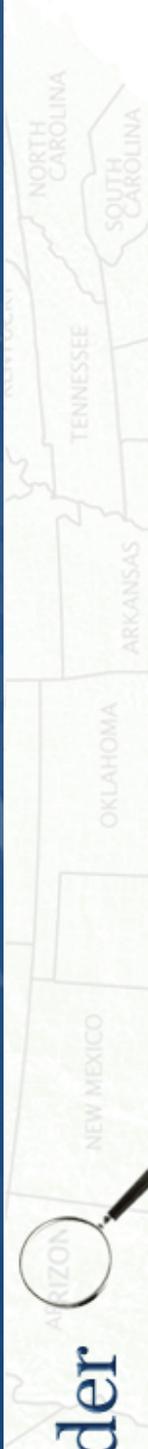
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U.S. Fire Administration



NATIONAL FLOOD INSURANCE PROGRAM



DP05 ACS DEMOGRAPHIC AND HOUSING ESTIMATES

2008-2012 American Community Survey 5-Year Estimates

Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Data and Documentation section. Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities and towns and estimates of housing units for states and counties.

SEX AND AGE	Subject	West CCD, McLennan County, Texas		
		Estimate	Margin of Error	Percent Margin of Error
	Total population	7,083	+/-459	7.083 (X)
	Male	3,599	+/-358	50.8% +/-3.1
	Female	3,484	+/-276	49.2% +/-3.1
	Under 5 years	248	+/-90	3.5% +/-1.2
	5 to 9 years	407	+/-105	5.7% +/-1.3
	10 to 14 years	496	+/-110	7.0% +/-1.5
	15 to 19 years	601	+/-115	8.5% +/-1.5
	20 to 24 years	562	+/-185	7.9% +/-2.5
	25 to 34 years	655	+/-171	9.2% +/-2.2
	35 to 44 years	855	+/-128	12.1% +/-1.6
	45 to 54 years	1,161	+/-176	16.4% +/-2.5
	55 to 59 years	398	+/-87	5.6% +/-1.2
	60 to 64 years	442	+/-100	6.2% +/-1.4
	65 to 74 years	670	+/-138	9.5% +/-2.0
	75 to 84 years	379	+/-83	5.4% +/-1.2
	85 years and over	209	+/-101	3.0% +/-1.4
	Median age (years)	41.4	+/-2.8	(X)
	18 years and over	5,527	+/-347	78.0% +/-2.2

Subject	West CCD, McLennan County, Texas		
	Estimate	Margin of Error	Percent Margin of Error
21 years and over	5,215	+/-357	73.6%
62 years and over	1,497	+/-201	21.1%
65 years and over	1,258	+/-188	17.8%
18 years and over	5,527	+/-347	5.527 (X)
Male	2,793	+/-273	50.5%
Female	2,734	+/-225	49.5%
65 years and over	1,258	+/-188	1,258 (X)
Male	532	+/-107	42.3%
Female	726	+/-114	57.7%
RACE			
Total population	7,083	+/-459	7,083 (X)
One race	6,983	+/-468	98.6%
Two or more races	100	+/-71	1.4%
One race	6,983	+/-468	98.6%
White	6,537	+/-523	92.3%
Black or African American	294	+/-103	4.2%
American Indian and Alaska Native	0	+/-18	0.0%
Cherokee tribal grouping	0	+/-18	0.0%
Chippewa tribal grouping	0	+/-18	0.0%
Navajo tribal grouping	0	+/-18	0.0%
Sioux tribal grouping	0	+/-18	0.0%
Asian	19	+/-23	0.3%
Asian Indian	0	+/-18	0.0%
Chinese	0	+/-18	0.0%
Filipino	13	+/-21	0.2%
Japanese	0	+/-18	0.0%
Korean	6	+/-10	0.1%
Vietnamese	0	+/-18	0.0%
Other Asian	0	+/-18	0.0%
Native Hawaiian and Other Pacific Islander	0	+/-18	0.0%
Native Hawaiian	0	+/-18	0.0%
Guamanian or Chamorro	0	+/-18	0.0%
Samoan	0	+/-18	0.0%
Other Pacific Islander	0	+/-18	0.0%
Some other race	133	+/-141	1.9%
Two or more races	100	+/-71	1.4%
White and Black or African American	20	+/-22	0.3%
White and American Indian and Alaska Native	25	+/-23	0.4%
White and Asian	10	+/-15	0.1%

Subject	West CCD, McLennan County, Texas		
	Estimate	Margin of Error	Percent Margin of Error
Black or African American and American Indian and Alaska Native	15	+/-23	0.2%
Race alone or in combination with one or more other races			
Total population	7,083	+/-459	7,083 (X)
White	6,622	+/-518	93.5% +/-2.8
Black or African American	329	+/-108	4.6% +/-1.6
American Indian and Alaska Native	70	+/-66	1.0% +/-0.9
Asian	29	+/-28	0.4% +/-0.4
Native Hawaiian and Other Pacific Islander	30	+/-47	0.4% +/-0.7
Some other race	133	+/-141	1.9% +/-2.0
HISPANIC OR LATINO AND RACE			
Total population	7,083	+/-459	7,083 (X)
Hispanic or Latino (of any race)	844	+/-253	11.9% +/-3.4
Mexican	700	+/-192	9.9% +/-2.6
Puerto Rican	0	+/-18	0.0% +/-0.5
Cuban	0	+/-18	0.0% +/-0.5
Other Hispanic or Latino	144	+/-163	2.0% +/-2.3
Not Hispanic or Latino	6,239	+/-438	88.1% +/-3.4
White alone	5,826	+/-463	82.3% +/-3.5
Black or African American alone	294	+/-103	4.2% +/-1.5
American Indian and Alaska Native alone	0	+/-18	0.0% +/-0.5
Asian alone	19	+/-23	0.3% +/-0.3
Native Hawaiian and Other Pacific Islander alone	0	+/-18	0.0% +/-0.5
Some other race alone	0	+/-18	0.0% +/-0.5
Two or more races	100	+/-71	1.4% +/-1.0
Two races including Some other race	0	+/-18	0.0% +/-0.5
Two races excluding Some other race, and Three or more races	100	+/-71	1.4% +/-1.0
Total housing units	3,140	+/-177	(X)

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

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Source: U.S. Census Bureau, 2008-2012 American Community Survey

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DP05 ACS DEMOGRAPHIC AND HOUSING ESTIMATES

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Subject	Texas			
	Estimate	Margin of Error	Percent	Percent Margin of Error
SEX AND AGE				
Total population	25,208,897	*****	25,208,897	(X)
Male	12,509,812	+/-1,744	49.6%	+/-0.1
Female	12,699,085	+/-1,744	50.4%	+/-0.1
Under 5 years	1,928,842	+/-780	7.7%	+/-0.1
5 to 9 years	1,921,140	+/-7,952	7.6%	+/-0.1
10 to 14 years	1,876,594	+/-7,993	7.4%	+/-0.1
15 to 19 years	1,878,407	+/-2,230	7.5%	+/-0.1
20 to 24 years	1,838,866	+/-2,501	7.3%	+/-0.1
25 to 34 years	3,623,225	+/-2,278	14.4%	+/-0.1
35 to 44 years	3,479,610	+/-1,927	13.8%	+/-0.1
45 to 54 years	3,413,900	+/-1,722	13.5%	+/-0.1
55 to 59 years	1,417,568	+/-6,509	5.6%	+/-0.1
60 to 64 years	1,195,355	+/-6,485	4.7%	+/-0.1
65 to 74 years	1,495,256	+/-1,253	5.9%	+/-0.1
75 to 84 years	829,289	+/-3,140	3.3%	+/-0.1
85 years and over	310,845	+/-3,051	1.2%	+/-0.1
Median age (years)	33.6	+/-0.2	(X)	(X)
18 years and over	18,359,568	+/-939	72.8%	+/-0.1
21 years and over	17,212,855	+/-5,456	68.3%	+/-0.1
62 years and over	3,315,774	+/-5,729	13.2%	+/-0.1
65 years and over	2,635,390	+/-956	10.5%	+/-0.1
18 years and over	18,359,568	+/-939	18,359,568	(X)
Male	9,007,898	+/-1,197	49.1%	+/-0.1
Female	9,351,670	+/-1,021	50.9%	+/-0.1
65 years and over	2,635,390	+/-956	2,635,390	(X)
Male	1,150,973	+/-777	43.7%	+/-0.1
Female	1,484,417	+/-620	56.3%	+/-0.1
RACE				
Total population	25,208,897	*****	25,208,897	(X)

Subject	Texas			
	Estimate	Margin of Error	Percent	Percent Margin of Error
One race	24,654,554	+/-10,075	97.8%	+/-0.1
Two or more races	554,343	+/-10,075	2.2%	+/-0.1
One race	24,654,554	+/-10,075	97.8%	+/-0.1
White	18,670,767	+/-19,231	74.1%	+/-0.1
Black or African American	2,972,834	+/-5,850	11.8%	+/-0.1
American Indian and Alaska Native	127,794	+/-3,599	0.5%	+/-0.1
Cherokee tribal grouping	17,396	+/-1,274	0.1%	+/-0.1
Chippewa tribal grouping	1,161	+/-346	0.0%	+/-0.1
Navajo tribal grouping	2,684	+/-472	0.0%	+/-0.1
Sioux tribal grouping	2,042	+/-378	0.0%	+/-0.1
Asian	979,385	+/-3,465	3.9%	+/-0.1
Asian Indian	252,996	+/-5,914	1.0%	+/-0.1
Chinese	164,958	+/-4,814	0.7%	+/-0.1
Filipino	104,626	+/-4,068	0.4%	+/-0.1
Japanese	19,150	+/-1,543	0.1%	+/-0.1
Korean	69,574	+/-2,880	0.3%	+/-0.1
Vietnamese	216,379	+/-5,541	0.9%	+/-0.1
Other Asian	151,702	+/-5,729	0.6%	+/-0.1
Native Hawaiian and Other Pacific Islander	20,671	+/-1,170	0.1%	+/-0.1
Native Hawaiian	6,114	+/-905	0.0%	+/-0.1
Guamanian or Chamorro	6,364	+/-1,010	0.0%	+/-0.1
Samoan	2,511	+/-491	0.0%	+/-0.1
Other Pacific Islander	5,682	+/-799	0.0%	+/-0.1
Some other race	1,883,103	+/-16,811	7.5%	+/-0.1
Two or more races	554,343	+/-10,075	2.2%	+/-0.1
White and Black or African American	119,350	+/-4,331	0.5%	+/-0.1
White and American Indian and Alaska Native	118,863	+/-3,541	0.5%	+/-0.1
White and Asian	85,241	+/-3,104	0.3%	+/-0.1
Black or African American and American Indian and Alaska Native	18,882	+/-1,598	0.1%	+/-0.1
Race alone or in combination with one or more other races				
Total population	25,208,897	*****	25,208,897	(X)
White	19,148,301	+/-17,886	76.0%	+/-0.1
Black or African American	3,159,377	+/-4,891	12.5%	+/-0.1
American Indian and Alaska Native	294,259	+/-4,945	1.2%	+/-0.1
Asian	1,108,204	+/-2,827	4.4%	+/-0.1
Native Hawaiian and Other Pacific Islander	40,467	+/-1,910	0.2%	+/-0.1
Some other race	2,045,870	+/-17,775	8.1%	+/-0.1
HISPANIC OR LATINO AND RACE				
Total population	25,208,897	*****	25,208,897	(X)
Hispanic or Latino (of any race)	9,479,670	+/-398	37.6%	+/-0.1
Mexican	8,314,445	+/-13,456	33.0%	+/-0.1
Puerto Rican	136,287	+/-4,612	0.5%	+/-0.1
Cuban	47,521	+/-2,617	0.2%	+/-0.1
Other Hispanic or Latino	981,417	+/-11,339	3.9%	+/-0.1
Not Hispanic or Latino	15,729,227	+/-398	62.4%	+/-0.1
White alone	11,415,017	+/-2,365	45.3%	+/-0.1
Black or African American alone	2,903,204	+/-4,829	11.5%	+/-0.1
American Indian and Alaska Native alone	67,134	+/-1,828	0.3%	+/-0.1
Asian alone	966,343	+/-3,079	3.8%	+/-0.1
Native Hawaiian and Other Pacific Islander alone	17,955	+/-922	0.1%	+/-0.1
Some other race alone	37,097	+/-2,689	0.1%	+/-0.1
Two or more races	322,477	+/-5,863	1.3%	+/-0.1
Two races including Some other race	18,074	+/-1,520	0.1%	+/-0.1
Two races excluding Some other race, and Three or more races	304,403	+/-5,723	1.2%	+/-0.1

Subject	Texas			
	Estimate	Margin of Error	Percent	Percent Margin of Error
Total housing units	9,978,137	+/-1,135	(X)	(X)

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Subject	McLennan County, Texas			
	Estimate	Margin of Error	Percent	Percent Margin of Error
SEX AND AGE				
Total population	234,626	*****	234,626	(X)
Male	113,992	+/-94	48.6%	+/-0.1
Female	120,634	+/-94	51.4%	+/-0.1
Under 5 years	16,694	+/-75	7.1%	+/-0.1
5 to 9 years	16,445	+/-622	7.0%	+/-0.3
10 to 14 years	16,101	+/-624	6.9%	+/-0.3
15 to 19 years	20,527	+/-165	8.7%	+/-0.1
20 to 24 years	23,624	+/-173	10.1%	+/-0.1
25 to 34 years	29,938	+/-158	12.8%	+/-0.1
35 to 44 years	26,864	+/-120	11.4%	+/-0.1
45 to 54 years	29,984	+/-107	12.8%	+/-0.1
55 to 59 years	13,998	+/-568	6.0%	+/-0.2
60 to 64 years	11,024	+/-572	4.7%	+/-0.2
65 to 74 years	15,227	+/-72	6.5%	+/-0.1
75 to 84 years	9,620	+/-356	4.1%	+/-0.2
85 years and over	4,580	+/-366	2.0%	+/-0.2
Median age (years)	32.8	+/-0.2	(X)	(X)
18 years and over	175,249	*****	74.7%	*****
21 years and over	158,555	+/-641	67.6%	+/-0.3
62 years and over	36,172	+/-472	15.4%	+/-0.2
65 years and over	29,427	+/-80	12.5%	+/-0.1
18 years and over	175,249	*****	175,249	(X)
Male	83,476	*****	47.6%	*****
Female	91,773	*****	52.4%	*****
65 years and over	29,427	+/-80	29,427	(X)
Male	12,485	+/-50	42.4%	+/-0.1
Female	16,942	+/-65	57.6%	+/-0.1
RACE				
Total population	234,626	*****	234,626	(X)

Subject	McLennan County, Texas			
	Estimate	Margin of Error	Percent	Percent Margin of Error
One race	230,244	+/-644	98.1%	+/-0.3
Two or more races	4,382	+/-644	1.9%	+/-0.3
One race	230,244	+/-644	98.1%	+/-0.3
White	181,949	+/-1,314	77.5%	+/-0.6
Black or African American	34,584	+/-482	14.7%	+/-0.2
American Indian and Alaska Native	1,129	+/-312	0.5%	+/-0.1
Cherokee tribal grouping	95	+/-69	0.0%	+/-0.1
Chippewa tribal grouping	22	+/-41	0.0%	+/-0.1
Navajo tribal grouping	9	+/-18	0.0%	+/-0.1
Sioux tribal grouping	9	+/-16	0.0%	+/-0.1
Asian	3,345	+/-208	1.4%	+/-0.1
Asian Indian	298	+/-156	0.1%	+/-0.1
Chinese	741	+/-214	0.3%	+/-0.1
Filipino	379	+/-156	0.2%	+/-0.1
Japanese	121	+/-70	0.1%	+/-0.1
Korean	209	+/-105	0.1%	+/-0.1
Vietnamese	695	+/-327	0.3%	+/-0.1
Other Asian	902	+/-385	0.4%	+/-0.2
Native Hawaiian and Other Pacific Islander	46	+/-34	0.0%	+/-0.1
Native Hawaiian	19	+/-25	0.0%	+/-0.1
Guamanian or Chamorro	19	+/-22	0.0%	+/-0.1
Samoan	0	+/-30	0.0%	+/-0.1
Other Pacific Islander	8	+/-13	0.0%	+/-0.1
Some other race	9,191	+/-1,164	3.9%	+/-0.5
Two or more races	4,382	+/-644	1.9%	+/-0.3
White and Black or African American	1,323	+/-470	0.6%	+/-0.2
White and American Indian and Alaska Native	689	+/-156	0.3%	+/-0.1
White and Asian	451	+/-158	0.2%	+/-0.1
Black or African American and American Indian and Alaska Native	123	+/-113	0.1%	+/-0.1
Race alone or in combination with one or more other races				
Total population	234,626	*****	234,626	(X)
White	185,867	+/-1,342	79.2%	+/-0.6
Black or African American	36,614	+/-416	15.6%	+/-0.2
American Indian and Alaska Native	2,349	+/-319	1.0%	+/-0.1
Asian	4,112	+/-184	1.8%	+/-0.1
Native Hawaiian and Other Pacific Islander	233	+/-125	0.1%	+/-0.1
Some other race	10,331	+/-1,232	4.4%	+/-0.5
HISPANIC OR LATINO AND RACE				
Total population	234,626	*****	234,626	(X)
Hispanic or Latino (of any race)	55,370	*****	23.6%	*****
Mexican	50,269	+/-891	21.4%	+/-0.4
Puerto Rican	1,722	+/-489	0.7%	+/-0.2
Cuban	66	+/-42	0.0%	+/-0.1
Other Hispanic or Latino	3,313	+/-783	1.4%	+/-0.3
Not Hispanic or Latino	179,256	*****	76.4%	*****
White alone	138,247	+/-117	58.9%	+/-0.1
Black or African American alone	34,058	+/-398	14.5%	+/-0.2
American Indian and Alaska Native alone	640	+/-204	0.3%	+/-0.1
Asian alone	3,292	+/-198	1.4%	+/-0.1
Native Hawaiian and Other Pacific Islander alone	41	+/-31	0.0%	+/-0.1
Some other race alone	187	+/-109	0.1%	+/-0.1
Two or more races	2,791	+/-476	1.2%	+/-0.2
Two races including Some other race	148	+/-95	0.1%	+/-0.1
Two races excluding Some other race, and Three or more races	2,643	+/-462	1.1%	+/-0.2

Subject	McLennan County, Texas			
	Estimate	Margin of Error	Percent	Percent Margin of Error
Total housing units	95,089	+/-265	(X)	(X)

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SEX AND AGE	Subject	Texas			McLennan County, Texas			
		Estimate	Margin of Error	Percent	Percent Margin of Error	Estimate	Margin of Error	Percent
Total population		25,208,897	****	25,208,897	(X)	234,626	****	234,626
Male		12,509,812	+/-1,744	49.6%	+/-0.1	113,992	+/-94	48.6%
Female		12,699,085	+/-1,744	50.4%	+/-0.1	120,634	+/-94	51.4%
Under 5 years		1,928,842	+/-780	7.7%	+/-0.1	16,694	+/-75	7.1%
5 to 9 years		1,921,140	+/-7,952	7.6%	+/-0.1	16,445	+/-622	7.0%
10 to 14 years		1,876,594	+/-7,993	7.4%	+/-0.1	16,101	+/-624	6.9%
15 to 19 years		1,878,407	+/-2,230	7.5%	+/-0.1	20,527	+/-165	8.7%
20 to 24 years		1,838,866	+/-2,501	7.3%	+/-0.1	23,624	+/-173	10.1%
25 to 34 years		3,623,225	+/-2,278	14.4%	+/-0.1	29,938	+/-158	12.8%
35 to 44 years		3,479,610	+/-1,927	13.8%	+/-0.1	26,864	+/-120	11.4%
45 to 54 years		3,413,900	+/-1,722	13.5%	+/-0.1	29,984	+/-107	12.8%
55 to 59 years		1,417,568	+/-6,509	5.6%	+/-0.1	13,998	+/-568	6.0%
60 to 64 years		1,195,355	+/-6,485	4.7%	+/-0.1	11,024	+/-572	4.7%
65 to 74 years		1,495,256	+/-1,253	5.9%	+/-0.1	15,227	+/-72	6.5%
75 to 84 years		829,289	+/-3,140	3.3%	+/-0.1	9,620	+/-356	4.1%
85 years and over		310,845	+/-3,051	1.2%	+/-0.1	4,580	+/-366	2.0%
Median age (years)		33.6	+/-0.2	(X)	(X)	32.8	+/-0.2	(X)
18 years and over		18,359,568	+/-939	72.8%	+/-0.1	175,249	****	74.7%

Subject	Texas			McLennan County, Texas			
	Estimate	Margin of Error	Percent	Percent Margin of Error	Estimate	Margin of Error	
						Percent	
21 years and over	17,212,855	+/-5,456	68.3%	+/-0.1	158,555	+/-641	67.6%
62 years and over	3,315,774	+/-5,729	13.2%	+/-0.1	36,172	+/-472	15.4%
65 years and over	2,635,390	+/-956	10.5%	+/-0.1	29,427	+/-80	12.5%
18 years and over	18,359,568	+/-939	18,359,568	(X)	175,249	****	175,249
Male	9,007,898	+/-1,197	49.1%	+/-0.1	83,476	****	47.6%
Female	9,351,670	+/-1,021	50.9%	+/-0.1	91,773	****	52.4%
65 years and over	2,635,390	+/-956	2,635,390	(X)	29,427	+/-80	29,427
Male	1,150,973	+/-777	43.7%	+/-0.1	12,485	+/-50	42.4%
Female	1,484,417	+/-620	56.3%	+/-0.1	16,942	+/-65	57.6%
RACE							
Total population	25,208,897	****	25,208,897	(X)	234,626	****	234,626
One race	24,654,554	+/-10,075	97.8%	+/-0.1	230,244	+/-644	98.1%
Two or more races	554,343	+/-10,075	2.2%	+/-0.1	4,382	+/-644	1.9%
One race	24,654,554	+/-10,075	97.8%	+/-0.1	230,244	+/-644	98.1%
White	18,670,767	+/-19,231	74.1%	+/-0.1	181,949	+/-1,314	77.5%
Black or African American	2,972,834	+/-5,850	11.8%	+/-0.1	34,584	+/-482	14.7%
American Indian and Alaska Native	127,794	+/-3,599	0.5%	+/-0.1	1,129	+/-312	0.5%
Cherokee tribal grouping	17,396	+/-1,274	0.1%	+/-0.1	95	+/-69	0.0%
Chippewa tribal grouping	1,161	+/-346	0.0%	+/-0.1	22	+/-41	0.0%
Navajo tribal grouping	2,684	+/-472	0.0%	+/-0.1	9	+/-18	0.0%
Sioux tribal grouping	2,042	+/-378	0.0%	+/-0.1	9	+/-16	0.0%
Asian	979,385	+/-3,465	3.9%	+/-0.1	3,345	+/-208	1.4%
Asian Indian	252,996	+/-5,914	1.0%	+/-0.1	298	+/-156	0.1%
Chinese	164,958	+/-4,814	0.7%	+/-0.1	741	+/-214	0.3%
Filipino	104,626	+/-4,068	0.4%	+/-0.1	379	+/-156	0.2%
Japanese	19,150	+/-1,543	0.1%	+/-0.1	121	+/-70	0.1%
Korean	69,574	+/-2,880	0.3%	+/-0.1	209	+/-105	0.1%
Vietnamese	216,379	+/-5,541	0.9%	+/-0.1	695	+/-327	0.3%
Other Asian	151,702	+/-5,729	0.6%	+/-0.1	902	+/-385	0.4%
Native Hawaiian and Other Pacific Islander	20,671	+/-1,170	0.1%	+/-0.1	46	+/-34	0.0%
Native Hawaiian	6,114	+/-905	0.0%	+/-0.1	19	+/-25	0.0%
Guamanian or Chamorro	6,364	+/-1,010	0.0%	+/-0.1	19	+/-22	0.0%
Samoan	2,511	+/-491	0.0%	+/-0.1	0	+/-30	0.0%
Other Pacific Islander	5,682	+/-799	0.0%	+/-0.1	8	+/-13	0.0%
Some other race	1,883,103	+/-16,811	7.5%	+/-0.1	9,191	+/-1,164	3.9%
Two or more races	554,343	+/-10,075	2.2%	+/-0.1	4,382	+/-644	1.9%
White and Black or African American	119,350	+/-4,331	0.5%	+/-0.1	1,323	+/-470	0.6%
White and American Indian and Alaska Native	118,863	+/-3,541	0.5%	+/-0.1	689	+/-156	0.3%
White and Asian	85,241	+/-3,104	0.3%	+/-0.1	451	+/-158	0.2%

Subject	Texas			McLennan County, Texas			
	Estimate	Margin of Error	Percent	Percent Margin of Error	Estimate	Margin of Error	Percent
Black or African American and American Indian and Alaska Native	18,882	+/-1,598	0.1%	+/-0.1	123	+/-113	0.1%
Race alone or in combination with one or more other races							
Total population	25,208,897	*****	25,208,897	(X)	234,626	*****	234,626
White	19,148,301	+/-17,886	76.0%	+/-0.1	185,867	+/-1,342	79.2%
Black or African American	3,159,377	+/-4,891	12.5%	+/-0.1	36,614	+/-416	15.6%
American Indian and Alaska Native	294,259	+/-4,945	1.2%	+/-0.1	2,349	+/-319	1.0%
Asian	1,108,204	+/-2,827	4.4%	+/-0.1	4,112	+/-184	1.8%
Native Hawaiian and Other Pacific Islander	40,467	+/-1,910	0.2%	+/-0.1	233	+/-125	0.1%
Some other race	2,045,870	+/-17,775	8.1%	+/-0.1	10,331	+/-1,232	4.4%
HISPANIC OR LATINO AND RACE							
Total population	25,208,897	*****	25,208,897	(X)	234,626	*****	234,626
Hispanic or Latino (of any race)	9,479,670	+/-398	37.6%	+/-0.1	55,370	*****	23.6%
Mexican	8,314,445	+/-13,456	33.0%	+/-0.1	50,269	+/-891	21.4%
Puerto Rican	136,287	+/-4,612	0.5%	+/-0.1	1,722	+/-489	0.7%
Cuban	47,521	+/-2,617	0.2%	+/-0.1	66	+/-42	0.0%
Other Hispanic or Latino	981,417	+/-11,339	3.9%	+/-0.1	3,313	+/-783	1.4%
Not Hispanic or Latino	15,729,227	+/-398	62.4%	+/-0.1	179,256	*****	76.4%
White alone	11,415,017	+/-2,365	45.3%	+/-0.1	138,247	+/-117	58.9%
Black or African American alone	2,903,204	+/-4,829	11.5%	+/-0.1	34,058	+/-398	14.5%
American Indian and Alaska Native alone	67,134	+/-1,828	0.3%	+/-0.1	640	+/-204	0.3%
Asian alone	966,343	+/-3,079	3.8%	+/-0.1	3,292	+/-198	1.4%
Native Hawaiian and Other Pacific Islander alone	17,955	+/-922	0.1%	+/-0.1	41	+/-31	0.0%
Some other race alone	37,097	+/-2,689	0.1%	+/-0.1	187	+/-109	0.1%
Two or more races	322,477	+/-5,863	1.3%	+/-0.1	2,791	+/-476	1.2%
Two races including Some other race	18,074	+/-1,520	0.1%	+/-0.1	148	+/-95	0.1%
Two races excluding Some other race, and Three or more races	304,403	+/-5,723	1.2%	+/-0.1	2,643	+/-462	1.1%
Total housing units	9,978,137	+/-1,135	(X)	(X)	95,089	+/-265	(X)

Subject	West CCD, McLennan County, Texas				
	McLennan County, Texas Percent Margin of Error	Estimate	Margin of Error	Percent	Percent Margin of Error
SEX AND AGE					
Total population	(X)	7,083	+/-459	7,083	(X)
Male	+/-0.1	3,599	+/-358	50.8%	+/-3.1
Female	+/-0.1	3,484	+/-276	49.2%	+/-3.1
Under 5 years	+/-0.1	248	+/-90	3.5%	+/-1.2
5 to 9 years	+/-0.3	407	+/-105	5.7%	+/-1.3
10 to 14 years	+/-0.3	496	+/-110	7.0%	+/-1.5
15 to 19 years	+/-0.1	601	+/-115	8.5%	+/-1.5
20 to 24 years	+/-0.1	562	+/-185	7.9%	+/-2.5
25 to 34 years	+/-0.1	655	+/-171	9.2%	+/-2.2
35 to 44 years	+/-0.1	855	+/-128	12.1%	+/-1.6
45 to 54 years	+/-0.1	1,161	+/-176	16.4%	+/-2.5
55 to 59 years	+/-0.2	398	+/-87	5.6%	+/-1.2
60 to 64 years	+/-0.2	442	+/-100	6.2%	+/-1.4
65 to 74 years	+/-0.1	670	+/-138	9.5%	+/-2.0
75 to 84 years	+/-0.2	379	+/-83	5.4%	+/-1.2
85 years and over	+/-0.2	209	+/-101	3.0%	+/-1.4
Median age (years)	(X)	41.4	+/-2.8	(X)	(X)
18 years and over	****	5,527	+/-347	78.0%	+/-2.2
21 years and over	+/-0.3	5,215	+/-357	73.6%	+/-2.3
62 years and over	+/-0.2	1,497	+/-201	21.1%	+/-3.0
65 years and over	+/-0.1	1,258	+/-188	17.8%	+/-2.7
18 years and over	(X)	5,527	+/-347	5,527	(X)
Male	****	2,793	+/-273	50.5%	+/-3.3
Female	****	2,734	+/-225	49.5%	+/-3.3
65 years and over	(X)	1,258	+/-188	1,258	(X)
Male	+/-0.1	532	+/-107	42.3%	+/-4.7
Female	+/-0.1	726	+/-114	57.7%	+/-4.7
RACE					
Total population	(X)	7,083	+/-459	7,083	(X)
One race	+/-0.3	6,983	+/-468	98.6%	+/-1.0
Two or more races	+/-0.3	100	+/-71	1.4%	+/-1.0
One race	+/-0.3	6,983	+/-468	98.6%	+/-1.0
White	+/-0.6	6,537	+/-523	92.3%	+/-2.9
Black or African American	+/-0.2	294	+/-103	4.2%	+/-1.5
American Indian and Alaska Native	+/-0.1	0	+/-18	0.0%	+/-0.5

Subject	West CCD, McLennan County, Texas				
	McLennan County, Texas Percent Margin of Error	Estimate	Margin of Error	Percent	Percent Margin of Error
Cherokee tribal grouping	+/-0.1	0	+/-18	0.0%	+/-0.5
Chippewa tribal grouping	+/-0.1	0	+/-18	0.0%	+/-0.5
Navajo tribal grouping	+/-0.1	0	+/-18	0.0%	+/-0.5
Sioux tribal grouping	+/-0.1	0	+/-18	0.0%	+/-0.5
Asian	+/-0.1	19	+/-23	0.3%	+/-0.3
Asian Indian	+/-0.1	0	+/-18	0.0%	+/-0.5
Chinese	+/-0.1	0	+/-18	0.0%	+/-0.5
Filipino	+/-0.1	13	+/-21	0.2%	+/-0.3
Japanese	+/-0.1	0	+/-18	0.0%	+/-0.5
Korean	+/-0.1	6	+/-10	0.1%	+/-0.1
Vietnamese	+/-0.1	0	+/-18	0.0%	+/-0.5
Other Asian	+/-0.2	0	+/-18	0.0%	+/-0.5
Native Hawaiian and Other Pacific Islander	+/-0.1	0	+/-18	0.0%	+/-0.5
Native Hawaiian	+/-0.1	0	+/-18	0.0%	+/-0.5
Guamanian or Chamorro	+/-0.1	0	+/-18	0.0%	+/-0.5
Samoa	+/-0.1	0	+/-18	0.0%	+/-0.5
Other Pacific Islander	+/-0.1	0	+/-18	0.0%	+/-0.5
Some other race	+/-0.5	133	+/-141	1.9%	+/-2.0
Two or more races	+/-0.3	100	+/-71	1.4%	+/-1.0
White and Black or African American	+/-0.2	20	+/-22	0.3%	+/-0.3
White and American Indian and Alaska Native	+/-0.1	25	+/-23	0.4%	+/-0.3
White and Asian	+/-0.1	10	+/-15	0.1%	+/-0.2
Black or African American and American Indian and Alaska Native	+/-0.1	15	+/-23	0.2%	+/-0.3
Race alone or in combination with one or more other races					
Total population	(X)	7,083	+/-459	7,083	(X)
White	+/-0.6	6,622	+/-518	93.5%	+/-2.8
Black or African American	+/-0.2	329	+/-108	4.6%	+/-1.6
American Indian and Alaska Native	+/-0.1	70	+/-66	1.0%	+/-0.9
Asian	+/-0.1	29	+/-28	0.4%	+/-0.4
Native Hawaiian and Other Pacific Islander	+/-0.1	30	+/-47	0.4%	+/-0.7
Some other race	+/-0.5	133	+/-141	1.9%	+/-2.0
HISPANIC OR LATINO AND RACE					
Total population	(X)	7,083	+/-459	7,083	(X)
Hispanic or Latino (of any race)	****	844	+/-253	11.9%	+/-3.4
Mexican	+/-0.4	700	+/-192	9.9%	+/-2.6
Puerto Rican	+/-0.2	0	+/-18	0.0%	+/-0.5
Cuban	+/-0.1	0	+/-18	0.0%	+/-0.5
Other Hispanic or Latino	+/-0.3	144	+/-163	2.0%	+/-2.3
Not Hispanic or Latino	****	6,239	+/-438	88.1%	+/-3.4
White alone	+/-0.1	5,826	+/-463	82.3%	+/-3.5
Black or African American alone	+/-0.2	294	+/-103	4.2%	+/-1.5

Subject	West CCD, McLennan County, Texas				
	McLennan County, Texas Percent Margin of Error	Estimate	Margin of Error	Percent	Percent Margin of Error
American Indian and Alaska Native alone	+/-0.1	0	+/-18	0.0%	+/-0.5
Asian alone	+/-0.1	19	+/-23	0.3%	+/-0.3
Native Hawaiian and Other Pacific Islander alone	+/-0.1	0	+/-18	0.0%	+/-0.5
Some other race alone	+/-0.1	0	+/-18	0.0%	+/-0.5
Two or more races	+/-0.2	100	+/-71	1.4%	+/-1.0
Two races including Some other race	+/-0.1	0	+/-18	0.0%	+/-0.5
Two races excluding Some other race, and Three or more races	+/-0.2	100	+/-71	1.4%	+/-1.0
Total housing units	(X)	3,140	+/-177	(X)	(X)

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

The ACS questions on Hispanic origin and race were revised in 2008 to make them consistent with the Census 2010 question wording. Any changes in estimates for 2008 and beyond may be due to demographic changes, as well as factors including questionnaire changes, differences in ACS population controls, and methodological differences in the population estimates, and therefore should be used with caution. For a summary of questionnaire changes see http://www.census.gov/acs/www/methodology/questionnaire_changes/. For more information about changes in the estimates see <http://www.census.gov/population/hispanic/files/acs08researchnote.pdf>.

For more information on understanding race and Hispanic origin data, please see the Census 2010 Brief entitled, Overview of Race and Hispanic Origin: 2010, issued March 2011. (pdf format)

While the 2008-2012 American Community Survey (ACS) data generally reflect the December 2009 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.

Estimates of urban and rural population, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2000 data. Boundaries for urban areas have not been updated since Census 2000. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Source: U.S. Census Bureau, 2008-2012 American Community Survey

Explanation of Symbols:

1. An '***' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An '+' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '****' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
6. An '*****' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.



QT-P19

School Enrollment: 2000

Census 2000 Summary File 3 (SF 3) - Sample Data

NOTE: Data based on a sample except in P3, P4, H3, and H4. For information on confidentiality protection, sampling error, nonsampling error, definitions, and count corrections see <http://www.census.gov/prod/cen2000/doc/sf3.pdf>

Subject	West city, Texas		
	Number	Percent	Percent of age group enrolled in school
SCHOOL ENROLLMENT AND TYPE OF SCHOOL			
Population 3 years and over enrolled in school	685	100.0	(X)
Nursery school, preschool	60	8.8	(X)
Public	51	7.4	(X)
Kindergarten	62	9.1	(X)
Public	50	7.3	(X)
Elementary: grade 1 to 4	154	22.5	(X)
Public	154	22.5	(X)
Elementary: grade 5 to 8	157	22.9	(X)
Public	116	16.9	(X)
High school: grade 9 to 12	131	19.1	(X)
Public	131	19.1	(X)
College, undergraduate	105	15.3	(X)
Public	92	13.4	(X)
Graduate, professional school	16	2.3	(X)
Public	7	1.0	(X)
Population 3 years and over enrolled in school	685	100.0	26.0
3 and 4 years	45	6.6	54.2
5 to 14 years	396	57.8	100.0
15 to 17 years	97	14.2	100.0
18 and 19 years	42	6.1	62.7
20 to 24 years	30	4.4	22.2
25 to 34 years	52	7.6	15.1
35 years and over	23	3.4	1.5
Population 18 to 24 years	202	100.0	(X)
High school graduates	143	70.8	(X)
Enrolled in college or graduate school	49	24.3	(X)
SCHOOL ENROLLMENT, EDUCATIONAL ATTAINMENT, AND EMPLOYMENT STATUS			
Population 16 to 19 years	124	100.0	(X)
Enrolled in school	99	79.8	(X)
Employed civilian	42	33.9	(X)
Unemployed	4	3.2	(X)
Not in labor force	53	42.7	(X)
Not enrolled in school	25	20.2	(X)
High school graduate	4	3.2	(X)
Employed civilian	0	0.0	(X)
Unemployed	0	0.0	(X)
Not in labor force	4	3.2	(X)
Not high school graduate	21	16.9	(X)
Employed civilian	3	2.4	(X)
Unemployed	10	8.1	(X)
Not in labor force	8	6.5	(X)

(X) Not applicable.

Source: U.S. Census Bureau, Census 2000 Summary File 3, Matrices P36, P38, PCT23, PCT24, and PCT25



QT-P20

Educational Attainment by Sex: 2000

Census 2000 Summary File 3 (SF 3) - Sample Data

NOTE: Data based on a sample except in P3, P4, H3, and H4. For information on confidentiality protection, sampling error, nonsampling error, definitions, and count corrections see <http://www.census.gov/prod/cen2000/doc/sf3.pdf>

Subject	West city, Texas		
	Both sexes	Male	Female
EDUCATIONAL ATTAINMENT (highest level)			
Population 18 to 24 years	202	92	110
Less than high school graduate	59	35	24
High school graduate (incl. equivalency)	70	22	48
Some college or associate degree	57	32	25
Bachelor's degree or higher	16	3	13
Population 25 years and over	1,857	808	1,049
Less than 5th grade	105	68	37
5th to 8th grade	200	55	145
9th to 12th grade, no diploma	342	100	242
High school graduate (incl. equivalency)	516	239	277
Some college credit, less than 1 year	108	30	78
1 or more years of college, no degree	169	92	77
Associate degree	158	68	90
Bachelor's degree	155	93	62
Master's degree	71	41	30
Professional degree	33	22	11
Doctorate degree	0	0	0
Percent of population 25 years and over	100.0	100.0	100.0
Less than 5th grade	5.7	8.4	3.5
5th to 8th grade	10.8	6.8	13.8
9th to 12th grade, no diploma	18.4	12.4	23.1
High school graduate (incl. equivalency)	27.8	29.6	26.4
Some college credit, less than 1 year	5.8	3.7	7.4
1 or more years of college, no degree	9.1	11.4	7.3
Associate degree	8.5	8.4	8.6
Bachelor's degree	8.3	11.5	5.9
Master's degree	3.8	5.1	2.9
Professional degree	1.8	2.7	1.0
Doctorate degree	0.0	0.0	0.0
Percent high school graduate or higher	65.2	72.4	59.6
Percent bachelor's degree or higher	13.9	19.3	9.8
PERCENT OF AGE GROUP			
High school graduate or higher			
25 to 34 years	90.4	91.8	89.2
35 to 44 years	82.4	78.9	86.4
45 to 64 years	74.3	78.1	70.9
65 years and over	34.3	45.3	28.9
Bachelor's degree or higher			
25 to 34 years	31.3	32.7	30.1
35 to 44 years	7.1	8.1	6.0
45 to 64 years	16.0	21.1	11.3
65 years and over	7.3	18.4	1.9

(X) Not applicable.

Source: U.S. Census Bureau, Census 2000 Summary File 3, Matrices P37 and PCT25.

ARIZON
NEW MEXICO

OKLAHOMA

ARKANSAS

TENNESSEE

NORTH CAROLINA

SOUTH CAROLINA

DP-1

Profile of General Demographic Characteristics: 2000

Census 2000 Summary File 1 (SF 1) 100-Percent Data

NOTE: For information on confidentiality protection, nonsampling error, definitions, and count corrections see <http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Subject	West city, Texas	
	Number	Percent
Total population	2,692	100.0
SEX AND AGE		
Male	1,241	46.1
Female	1,451	53.9
Under 5 years	190	7.1
5 to 9 years	202	7.5
10 to 14 years	178	6.6
15 to 19 years	174	6.5
20 to 24 years	121	4.5
25 to 34 years	316	11.7
35 to 44 years	381	14.2
45 to 54 years	256	9.5
55 to 59 years	100	3.7
60 to 64 years	101	3.8
65 to 74 years	269	10.0
75 to 84 years	250	9.3
85 years and over	154	5.7
Median age (years)	39.0	(X)
18 years and over	2,010	74.7
Male	872	32.4
Female	1,138	42.3
21 years and over	1,930	71.7
62 years and over	740	27.5
65 years and over	673	25.0
Male	226	8.4
Female	447	16.6
RACE		
One race	2,658	98.7
White	2,479	92.1
Black or African American	113	4.2
American Indian and Alaska Native	15	0.6
Asian	2	0.1
Asian Indian	0	0.0
Chinese	0	0.0
Filipino	2	0.1
Japanese	0	0.0
Korean	0	0.0
Vietnamese	0	0.0
Other Asian [1]	0	0.0
Native Hawaiian and Other Pacific Islander	1	0.0
Native Hawaiian	0	0.0
Guamanian or Chamorro	1	0.0
Samoan	0	0.0
Other Pacific Islander [2]	0	0.0

Subject	West city, Texas	
	Number	Percent
Some other race	48	1.8
Two or more races	34	1.3
Race alone or in combination with one or more other races [3]		
White	2,513	93.4
Black or African American	119	4.4
American Indian and Alaska Native	30	1.1
Asian	2	0.1
Native Hawaiian and Other Pacific Islander	1	0.0
Some other race	63	2.3
HISPANIC OR LATINO AND RACE		
Total population	2,692	100.0
Hispanic or Latino (of any race)	219	8.1
Mexican	197	7.3
Puerto Rican	1	0.0
Cuban	0	0.0
Other Hispanic or Latino	21	0.8
Not Hispanic or Latino	2,473	91.9
White alone	2,327	86.4
RELATIONSHIP		
Total population	2,692	100.0
In households	2,539	94.3
Householder	1,045	38.8
Spouse	530	19.7
Child	786	29.2
Own child under 18 years	630	23.4
Other relatives	100	3.7
Under 18 years	42	1.6
Nonrelatives	78	2.9
Unmarried partner	40	1.5
In group quarters	153	5.7
Institutionalized population	153	5.7
Noninstitutionalized population	0	0.0
HOUSEHOLDS BY TYPE		
Total households	1,045	100.0
Family households (families)	698	66.8
With own children under 18 years	345	33.0
Married-couple family	530	50.7
With own children under 18 years	256	24.5
Female householder, no husband present	123	11.8
With own children under 18 years	76	7.3
Nonfamily households	347	33.2
Householder living alone	309	29.6
Householder 65 years and over	189	18.1
Households with individuals under 18 years	371	35.5
Households with individuals 65 years and over	396	37.9
Average household size	2.43	(X)
Average family size	3.03	(X)
HOUSING OCCUPANCY		
Total housing units	1,143	100.0
Occupied housing units	1,045	91.4
Vacant housing units	98	8.6
For seasonal, recreational, or occasional use	12	1.0
Homeowner vacancy rate (percent)	2.2	(X)
Rental vacancy rate (percent)	6.5	(X)
HOUSING TENURE		
Occupied housing units	1,045	100.0
Owner-occupied housing units	742	71.0
Renter-occupied housing units	303	29.0
Average household size of owner-occupied unit	2.42	(X)

Subject	West city, Texas	
	Number	Percent
Average household size of renter-occupied unit	2.47	(X)

(X) Not applicable.

[1] Other Asian alone, or two or more Asian categories.

[2] Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.

[3] In combination with one or more other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Source: U.S. Census Bureau, Census 2000 Summary File 1, Matrices P1, P3, P4, P8, P9, P12, P13, P,17, P18, P19, P20, P23, P27, P28, P33, PCT5, PCT8, PCT11, PCT15, H1, H3, H4, H5, H11, and H12.

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McLennan County, Texas

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People QuickFacts	McLennan County	Texas
Population, 2013 estimate	NA	26,448,193
Population, 2012 estimate	238,707	26,060,796
Population, 2010 (April 1) estimates base	234,906	25,145,561
Population, percent change, April 1, 2010 to July 1, 2013	NA	5.2%
Population, percent change, April 1, 2010 to July 1, 2012	1.6%	3.6%
Population, 2010	234,906	25,145,561
Persons under 5 years, percent, 2012	7.1%	7.5%
Persons under 18 years, percent, 2012	25.1%	26.8%
Persons 65 years and over, percent, 2012	12.9%	10.9%
Female persons, percent, 2012	51.2%	50.3%
White alone, percent, 2012 (a)	80.4%	80.6%
Black or African American alone, percent, 2012 (a)	15.1%	12.3%
American Indian and Alaska Native alone, percent, 2012 (a)	1.1%	1.0%
Asian alone, percent, 2012 (a)	1.6%	4.2%
Native Hawaiian and Other Pacific Islander alone, percent, 2012 (a)	0.1%	0.1%
Two or More Races, percent, 2012	1.7%	1.7%
Hispanic or Latino, percent, 2012 (b)	24.4%	38.2%
White alone, not Hispanic or Latino, percent, 2012	58.2%	44.5%
Living in same house 1 year & over, percent, 2008-2012	80.3%	82.6%
Foreign born persons, percent, 2008-2012	8.1%	16.3%
Language other than English spoken at home, pct age 5+, 2008-2012	18.8%	34.6%
High school graduate or higher, percent of persons age 25+, 2008-2012	81.8%	80.8%
Bachelor's degree or higher, percent of persons age 25+, 2008-2012	21.8%	26.3%
Veterans, 2008-2012	16,685	1,611,660
Mean travel time to work (minutes), workers age 16+, 2008-2012	18.8	24.9
Housing units, 2012	96,065	10,154,230
Homeownership rate, 2008-2012	60.1%	63.9%
Housing units in multi-unit structures, percent, 2008-2012	24.1%	24.1%
Median value of owner-occupied housing units, 2008-2012	\$106,600	\$128,000
Households, 2008-2012	83,966	8,782,598
Persons per household, 2008-2012	2.69	2.80
Per capita money income in past 12 months (2012 dollars), 2008-2012	\$21,459	\$25,809
Median household income, 2008-2012	\$41,589	\$51,563
Persons below poverty level, percent, 2008-2012	21.8%	17.4%

Business QuickFacts	McLennan County	Texas
Private nonfarm establishments, 2011	4,938	525,420 ¹
Private nonfarm employment, 2011	95,918	8,987,663 ¹
Private nonfarm employment, percent change, 2010-2011	0.8%	2.3% ¹
Nonemployer establishments, 2011	13,690	1,975,620
Total number of firms, 2007	16,888	2,164,852
Black-owned firms, percent, 2007	5.1%	7.1%
American Indian- and Alaska Native-owned firms, percent, 2007	0.7%	0.9%
Asian-owned firms, percent, 2007	1.6%	5.3%
Native Hawaiian and Other Pacific Islander-owned firms, percent, 2007	F	0.1%
Hispanic-owned firms, percent, 2007	8.9%	20.7%
Women-owned firms, percent, 2007	28.4%	28.2%
Manufacturers shipments, 2007 (\$1000)	5,888,916	593,541,502
Merchant wholesaler sales, 2007 (\$1000)	4,606,220	424,238,194
Retail sales, 2007 (\$1000)	2,942,576	311,334,781

1 Retail sales per capita, 2007	\$12,892	\$13,061
1 Accommodation and food services sales, 2007 (\$1000)	375,262	42,054,592
1 Building permits, 2012	676	135,514
Geography QuickFacts	McLennan County	Texas
1 Land area in square miles, 2010	1,037.10	261,231.71
1 Persons per square mile, 2010	226.5	96.3
1 FIPS Code	309	48
1 Metropolitan or Micropolitan Statistical Area	Waco, TX Metro Area	

1: Includes data not distributed by county.

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(a) Includes persons reporting only one race.

(b) Hispanics may be of any race, so also are included in applicable race categories.

D: Suppressed to avoid disclosure of confidential information

F: Fewer than 25 firms

FN: Footnote on this item for this area in place of data

NA: Not available

S: Suppressed; does not meet publication standards

X: Not applicable

Z: Value greater than zero but less than half unit of measure shown

Source U.S. Census Bureau: State and County QuickFacts. Data derived from Population Estimates, American Community Survey, Census of Population and Housing, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits

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United States Census Bureau



Radius Report

[Satellite view](#)

Target Property:

**West High School
1008 JERRY MASHEK DR
WEST, McLennan County, Texas 76691**

Prepared For:

Terracon Consultants-Houston

Order #: 31946

Job #: 71054

Project #: 92147031

Date: 01/26/2014

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Target Property Summary

West High School
1008 JERRY MASHEK DR
WEST, McLennan County, Texas 76691

USGS Quadrangle: **West, TX**
Target Property Geometry: **Point**

Target Property Longitude(s)/Latitude(s):
(-97.086510, 31.811530)

County/Parish Covered:
McLennan (TX)

Zipcode(s) Covered:
West TX: 76691

State(s) Covered:
TX

*** Target property is located in Radon Zone 3.**
Zone 3 areas have a predicted average indoor radon screening level less than 2 pCi/L
(picocuries per liter).

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

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Database Findings Summary

FEDERAL LISTING

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
AEROMETRIC INFORMATION RETRIEVAL SYSTEM / AIR FACILITY SUBSYSTEM	AIRSAFS	0	0	TP/AP
BIENNIAL REPORTING SYSTEM	BRS	0	0	TP/AP
CLANDESTINE DRUG LABORATORY LOCATIONS	CDL	0	0	TP/AP
EPA DOCKET DATA	DOCKETS	0	0	TP/AP
FEDERAL ENGINEERING INSTITUTIONAL CONTROL SITES	EC	0	0	TP/AP
EMERGENCY RESPONSE NOTIFICATION SYSTEM	ERNSTX	0	0	TP/AP
FACILITY REGISTRY SYSTEM	FRSTX	2	0	TP/AP
HAZARDOUS MATERIALS INCIDENT REPORTING SYSTEM	HMIRSR06	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM (FORMERLY DOCKETS)	ICIS	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	ICISNPDES	0	0	TP/AP
MATERIAL LICENSING TRACKING SYSTEM	MLTS	0	0	TP/AP
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	NPDESR06	0	0	TP/AP
PCB ACTIVITY DATABASE SYSTEM	PADS	0	0	TP/AP
PERMIT COMPLIANCE SYSTEM	PCSR06	0	0	TP/AP
RCRA SITES WITH CONTROLS	RCRASC	0	0	TP/AP
CERCLIS LIENS	SFLIENS	0	0	TP/AP
SECTION SEVEN TRACKING SYSTEM	SSTS	0	0	TP/AP
TOXICS RELEASE INVENTORY	TRI	0	0	TP/AP
TOXIC SUBSTANCE CONTROL ACT INVENTORY	TSCA	0	0	TP/AP
HISTORICAL GAS STATIONS	HISTPST	0	0	0.2500
NO LONGER REGULATED RCRA GENERATOR FACILITIES	NLRRCRAG	0	0	0.2500
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR FACILITIES	RCRAGR06	0	0	0.2500
BROWNFIELDS MANAGEMENT SYSTEM	BF	0	0	0.5000
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION & LIABILITY INFORMATION SYSTEM	CERCLIS	0	0	0.5000
LAND USE CONTROL INFORMATION SYSTEM	LUCIS	0	0	0.5000
NO FURTHER REMEDIAL ACTION PLANNED SITES	NFRAP	0	0	0.5000
NO LONGER REGULATED RCRA NON-CORRACTS TSD FACILITIES	NLRRCRAT	0	0	0.5000
OPEN DUMP INVENTORY	ODI	0	0	0.5000
RESOURCE CONSERVATION & RECOVERY ACT - TREATMENT, STORAGE & DISPOSAL FACILITIES	RCRAT	0	0	0.5000
DELISTED NATIONAL PRIORITIES LIST	DNPL	0	0	1.0000
DEPARTMENT OF DEFENSE SITES	DOD	0	0	1.0000
FORMERLY USED DEFENSE SITES	FUDS	0	0	1.0000

Database Findings Summary

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
NO LONGER REGULATED RCRA CORRECTIVE ACTION FACILITIES	NLRRCRAC	0	0	1.0000
NATIONAL PRIORITIES LIST	NPL	0	0	1.0000
PROPOSED NATIONAL PRIORITIES LIST	PNPL	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION FACILITIES	RCRAC	0	0	1.0000
RECORD OF DECISION SYSTEM	RODS	0	0	1.0000
SUB-TOTAL		2	0	

Database Findings Summary

STATE (TX) LISTING

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
GROUNDWATER CONTAMINATION CASES	GWCC	0	0	TP/AP
HISTORIC GROUNDWATER CONTAMINATION CASES	HISTGWCC	0	0	TP/AP
TCEQ LIENS	LIENS	0	0	TP/AP
MUNICIPAL SETTING DESIGNATIONS	MSD	0	0	TP/AP
NOTICE OF VIOLATIONS	NOV	0	0	TP/AP
STATE INSTITUTIONAL/ENGINEERING CONTROL SITES	SIEC01	0	0	TP/AP
SPILLS LISTING	SPILLS	0	0	TP/AP
DRY CLEANER REGISTRATION DATABASE	DCR	0	0	0.2500
INDUSTRIAL AND HAZARDOUS WASTE SITES	IHW	0	0	0.2500
PERMITTED INDUSTRIAL HAZARDOUS WASTE SITES	PIHW	0	0	0.2500
PETROLEUM STORAGE TANKS	PST	0	0	0.2500
AFFECTED PROPERTY ASSESSMENT REPORTS	APAR	0	0	0.5000
BROWNFIELDS SITE ASSESSMENTS	BSA	0	0	0.5000
CLOSED & ABANDONED LANDFILL INVENTORY	CALF	0	0	0.5000
DRY CLEANER REMEDIATION PROGRAM SITES	DCRPS	0	0	0.5000
INNOCENT OWNER / OPERATOR DATABASE	IOP	0	0	0.5000
LEAKING PETROLEUM STORAGE TANKS	LPST	0	0	0.5000
MUNICIPAL SOLID WASTE LANDFILL SITES	MSWLF	0	0	0.5000
RAILROAD COMMISSION VCP AND BROWNFIELD SITES	RRCVCP	0	0	0.5000
RADIOACTIVE WASTE SITES	RWS	0	0	0.5000
TIER I I CHEMICAL REPORTING PROGRAM FACILITIES	TIERII	12	0	0.5000
VOLUNTARY CLEANUP PROGRAM SITES	VCP	0	0	0.5000
RECYCLING FACILITIES	WMRF	0	0	0.5000
INDUSTRIAL AND HAZARDOUS WASTE CORRECTIVE ACTION SITES	IHWCA	0	0	1.0000
STATE SUPERFUND SITES	SF	0	0	1.0000
SUB-TOTAL		12	0	

Database Findings Summary

TRIBAL LISTING

<i>Database</i>	<i>Acronym</i>	<i>Locatable</i>	<i>Unlocatable</i>	<i>Search Radius (miles)</i>
UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	USTR06	0	0	0.2500
LEAKING UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	LUSTR06	0	0	0.5000
OPEN DUMP INVENTORY ON TRIBAL LANDS	ODINDIAN	0	0	0.5000
INDIAN RESERVATIONS	INDIANRES	0	0	1.0000
SUB-TOTAL		0	0	
TOTAL		14	0	

Locatable Database Findings

FEDERAL LISTING

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
AIRSAFS	0.0200		NS	NS	NS	NS	NS	0
BRS	0.0200		NS	NS	NS	NS	NS	0
CDL	0.0200		NS	NS	NS	NS	NS	0
DOCKETS	0.0200		NS	NS	NS	NS	NS	0
EC	0.0200		NS	NS	NS	NS	NS	0
ERNSTX	0.0200		NS	NS	NS	NS	NS	0
FRSTX	0.0200	2	NS	NS	NS	NS	NS	2
HMIRS06	0.0200		NS	NS	NS	NS	NS	0
ICIS	0.0200		NS	NS	NS	NS	NS	0
ICISNPDES	0.0200		NS	NS	NS	NS	NS	0
MLTS	0.0200		NS	NS	NS	NS	NS	0
NPDES06	0.0200		NS	NS	NS	NS	NS	0
PADS	0.0200		NS	NS	NS	NS	NS	0
PCSR06	0.0200		NS	NS	NS	NS	NS	0
RCRASC	0.0200		NS	NS	NS	NS	NS	0
SFLIENS	0.0200		NS	NS	NS	NS	NS	0
SSTS	0.0200		NS	NS	NS	NS	NS	0
TRI	0.0200		NS	NS	NS	NS	NS	0
TSCA	0.0200		NS	NS	NS	NS	NS	0
HISTPST	0.2500		0	0	NS	NS	NS	0
NLRRCRAG	0.2500		0	0	NS	NS	NS	0
RCRAGR06	0.2500		0	0	NS	NS	NS	0
BF	0.5000		0	0	0	NS	NS	0
CERCLIS	0.5000		0	0	0	NS	NS	0
LUCIS	0.5000		0	0	0	NS	NS	0
NFRAP	0.5000		0	0	0	NS	NS	0
NLRRCRAT	0.5000		0	0	0	NS	NS	0
ODI	0.5000		0	0	0	NS	NS	0
RCRAT	0.5000		0	0	0	NS	NS	0
DNPL	1.0000		0	0	0	0	NS	0
DOD	1.0000		0	0	0	0	NS	0
FUDS	1.0000		0	0	0	0	NS	0
NLRRCRAC	1.0000		0	0	0	0	NS	0
NPL	1.0000		0	0	0	0	NS	0
PNPL	1.0000		0	0	0	0	NS	0
RCRAC	1.0000		0	0	0	0	NS	0

Locatable Database Findings

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
RODS	1.0000		0	0	0	0	NS	0
SUB-TOTAL		2	0	0	0	0	0	2

Locatable Database Findings

STATE (TX) LISTING

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
GWCC	0.0200		NS	NS	NS	NS	NS	0
HISTGWCC	0.0200		NS	NS	NS	NS	NS	0
LIENS	0.0200		NS	NS	NS	NS	NS	0
MSD	0.0200		NS	NS	NS	NS	NS	0
NOV	0.0200		NS	NS	NS	NS	NS	0
SIEC01	0.0200		NS	NS	NS	NS	NS	0
SPILLS	0.0200		NS	NS	NS	NS	NS	0
DCR	0.2500		0	0	NS	NS	NS	0
IHW	0.2500		0	0	NS	NS	NS	0
PIHW	0.2500		0	0	NS	NS	NS	0
PST	0.2500		0	0	NS	NS	NS	0
APAR	0.5000		0	0	0	NS	NS	0
BSA	0.5000		0	0	0	NS	NS	0
CALF	0.5000		0	0	0	NS	NS	0
DCRPS	0.5000		0	0	0	NS	NS	0
IOP	0.5000		0	0	0	NS	NS	0
LPST	0.5000		0	0	0	NS	NS	0
MSWLF	0.5000		0	0	0	NS	NS	0
RRCVCP	0.5000		0	0	0	NS	NS	0
RWS	0.5000		0	0	0	NS	NS	0
TIERII	0.5000		0	8	4	NS	NS	12
VCP	0.5000		0	0	0	NS	NS	0
WMRF	0.5000		0	0	0	NS	NS	0
IHWCA	1.0000		0	0	0	0	NS	0
SF	1.0000		0	0	0	0	NS	0
SUB-TOTAL			0	8	4	0	0	12

Locatable Database Findings

TRIBAL LISTING

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

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

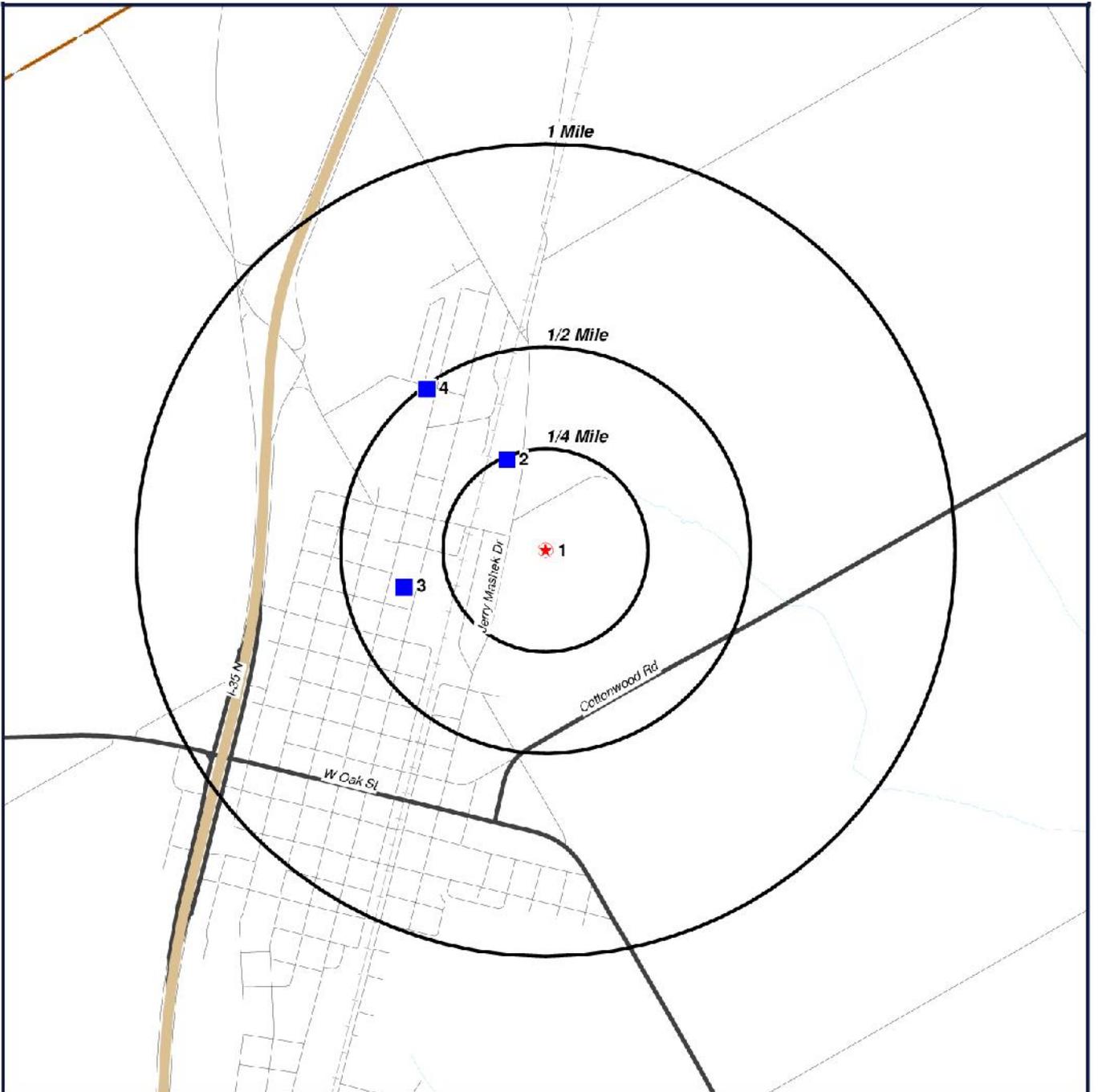
TOTAL		2	0	8	4	0	0	14
-------	--	---	---	---	---	---	---	----

NOTES:

NS = NOT SEARCHED

TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

Radius Map 1



- ★ Target Property (TP)
- TIERII

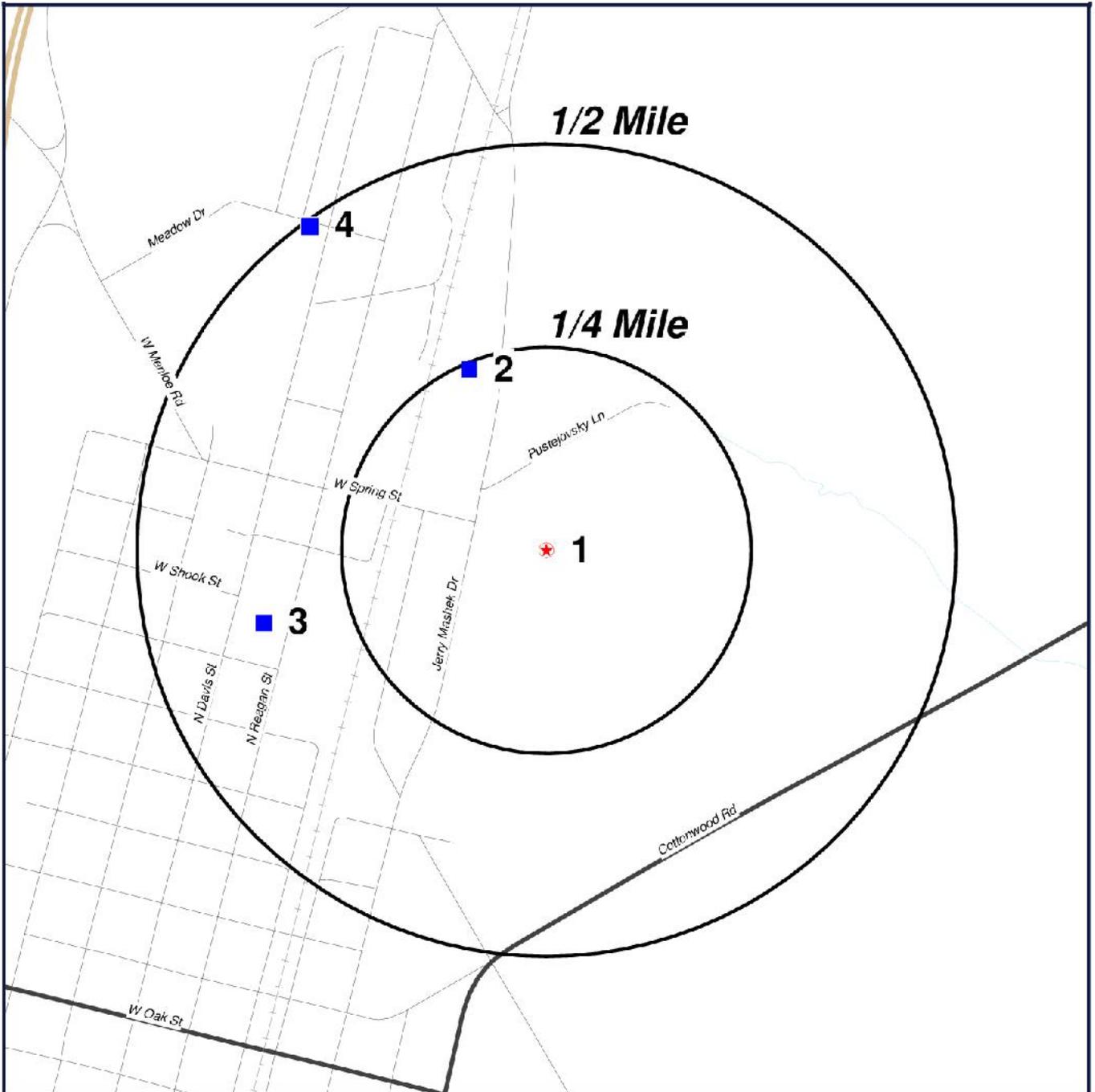
West High School
1008 JERRY MASHEK DR
WEST, Texas
76691



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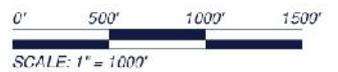
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Radius Map 2



- ★ Target Property (TP)
- TIERII

West High School
1008 JERRY MASHEK DR
WEST, Texas
76691



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Ortho Map



- ★ Target Property (TP)
- TIERII

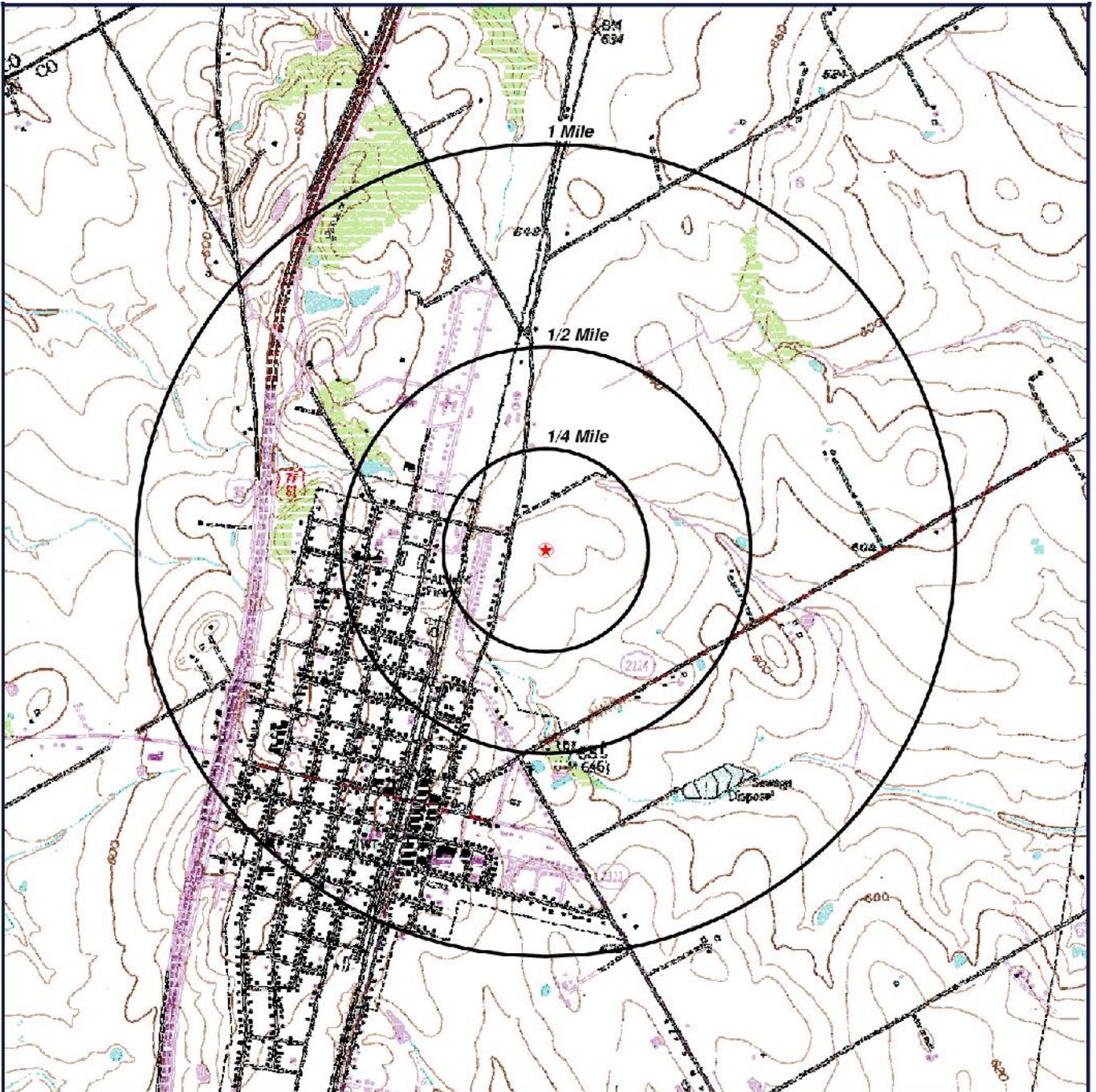
**Quadrangle(s): West
West High School
1008 JERRY MASHEK DR
WEST, Texas
76691**



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Topographic Map



★ Target Property (TP)

**Quadrangle(s): West
Source: USGS, 1979
West High School
1008 JERRY MASHEK DR
WEST, Texas
76691**



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

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Report Summary of Locatable Sites

Map ID#	Database Name	Site ID#	Distance From Site	Site Name	Address	City, Zip Code
1	FRSTX	110036984065	TP	WEST H S	1008 JERRY MASHEK DR	WEST, 76691
1	FRSTX	110026245686	TP	WEST HIGH SCHOOL		WEST, 76691
2	TIERII	7Q969F0028P0	0.241 NW	ADAIR GRAIN, INC. DBA WEST FERTILIZER CO	1471 N. JERRY MASHEK DRIVE	WEST, 76691
2	TIERII	8EN3T90029SS	0.241 NW	ADAIR GRAIN, INC. DBA WEST FERTILIZER CO	1471 N. JERRY MASHEK DRIVE	WEST, 76691
2	TIERII	5N22LZ002CYD	0.241 NW	ADAIR GRAIN INC., DBA WEST FERTILIZER CO	1471 N.JERRY MASHEK DRIVE STREET	WEST, 76691
2	TIERII	6B71WW005QHP	0.241 NW	ADAIR GRAIN INC. DBA WEST FERTILIZER CO.	1471 N. JERRY MASHEK DRIVE	WEST, 76691
2	TIERII	4Y6WMM002WCE	0.241 NW	ADAIR GRAIN INC., DBA WEST FERTILIZER CO	1471 N. JERRY MASHEK DRIVE	WEST, 76691
2	TIERII	46HU02002C9H	0.241 NW	ADAIR GRAIN INC. DBA WEST FERTILIZER CO.	1471 N. JERRY MASHEK DRIVE	WEST MCLENNAN USA, 76691
2	TIERII	94MEH5002S4R	0.242 NW	ADAIR GRAIN, INC. DBA WEST FERTILIZER CO	1471 N. JERRY MASHEK DRIVE	WEST, 76691
2	TIERII	70P4J9002XXJ	0.241 NW	ADAIR GRAIN, INC. DBA WEST FERTILIZER CO	1471 N. JERRY MASHEK DRIVE	WEST, 76691
3	TIERII	4Z3RDH00F89B	0.356 W	WEST ISD	406 W. SHOOK	WEST, 76691
4	TIERII	5N891C02BH0A	0.493 NW	AIR EVAC LIFETEAM EMS BASE #51	505 MEADOW DRIVE	WEST, 76691
4	TIERII	7PTJCM006PWR	0.493 NW	AIR EVAC 51	505 MEADOW DRIVE	WEST, 76691
4	TIERII	93QLCA0037AD	0.493 NW	AIR EVAC 51	505 MEADOW DRIVE	WEST, 76691

Facility Registry System (FRSTX)

[MAP ID# 1](#)

Distance from Property: 0.00 mi. N

FACILITY INFORMATION

REGISTRY ID: 110036984065

NAME: WEST H S

LOCATION ADDRESS: 1008 JERRY MASHEK DR
WEST, TX 766911141

COUNTY: MCLENNAN COUNTY

EPA REGION: 06

FEDERAL FACILITY: NOT REPORTED

TRIBAL LAND: NOT REPORTED

ALTERNATIVE NAME/S:

WEST H S

PROGRAM/S LISTED FOR THIS FACILITY

NCES - NATIONAL CENTER FOR EDUCATION STATISTICS

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)

NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)

NO NAICS DATA REPORTED

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Facility Registry System (FRSTX)

MAP ID# 1

Distance from Property: 0.00 mi. N

FACILITY INFORMATION

REGISTRY ID: 110026245686

NAME: WEST HIGH SCHOOL

LOCATION ADDRESS: NO STREET REPORTED
WEST, TX 76691

COUNTY: MCLENNAN

EPA REGION: 06

FEDERAL FACILITY: NOT REPORTED

TRIBAL LAND: NOT REPORTED

ALTERNATIVE NAME/S:

WEST HIGH SCHOOL

PROGRAM/S LISTED FOR THIS FACILITY

GNIS - GEOGRAPHIC NAMES INFORMATION SYSTEM

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)

NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)

NO NAICS DATA REPORTED

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Tier II Chemical Reporting Program Facilities (TIERII)

MAP ID# 2

Distance from Property: 0.24 mi. NW

SITE INFORMATION

UNIQUE ID: 7Q969F0028P0

SITE ID: FATR20107Q969F0028P0

NAME: ADAIR GRAIN, INC. DBA WEST FERTILIZER CO.

ADDRESS: 1471 N. JERRY MASHEK DRIVE
WEST, TX 76691

SIGNED DATE: 02/11/2011

VALIDATION REPORT: YOU HAVE CHECKED THE BOX INDICATING THAT SITE PLANS HAVE BEEN SUBMITTED. SINCE NO SITE PLAN FILES HAVE BEEN ADDED IN TIER2 SUBMIT, PLEASE ENSURE THAT YOU SUBMIT APPROPRIATE SITE PLANS (PAPER OR ELECTRONIC). THIS FACILITY PASSED ALL VALIDATION CHECKS.

MAILING ADDRESS: P.O. BOX 399
WEST, TX 76691

SITE DETAILS

SITE TYPE: FERTILIZER (MIXING ONLY) MANUFACTURING

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 500 POUNDS

CHEMICAL LOCATION:

SOUTH OF DRY FERTILIZER PLANT

CHEMICAL AMOUNT: 62000 POUNDS

CHEMICAL NAME: ANHYDROUS AMMONIA

MAXIMUM AMOUNT: 100000 UNITS (value of unit not provided by reporting agency)

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

PURE: YES MIXTURE: NOT REPORTED

CHEMICAL NAME: DIMETHOATE OR DIMATE 4

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: NOT REPORTED MIXTURE: YES

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Tier II Chemical Reporting Program Facilities (TIERII)

MAP ID# 2

Distance from Property: 0.24 mi. NW

SITE INFORMATION

UNIQUE ID: 8EN3T90029SS

SITE ID: FATR20118EN3T90029SS

NAME: ADAIR GRAIN, INC. DBA WEST FERTILIZER CO.

ADDRESS: 1471 N. JERRY MASHEK DRIVE
WEST, TX 76691

SIGNED DATE: 2/20/2012

VALIDATION REPORT: YOU HAVE CHECKED THE BOX INDICATING THAT SITE PLANS HAVE BEEN SUBMITTED. SINCE NO SITE PLAN FILES HAVE BEEN ADDED IN TIER2 SUBMIT, PLEASE ENSURE THAT YOU SUBMIT APPROPRIATE SITE PLANS (PAPER OR ELECTRONIC). THIS FACILITY PASSED ALL VALIDATION CHECKS.

MAILING ADDRESS: P.O. BOX 399

WEST, TX 76691

SITE DETAILS

SITE TYPE: FERTILIZER (MIXING ONLY) MANUFACTURING

CHEMICAL LOCATION:

SOUTH OF DRY FERTILIZER PLANT

CHEMICAL AMOUNT: 62000 POUNDS

CHEMICAL LOCATION:

23

CHEMICAL AMOUNT: 500 POUNDS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE WAREHOUSE

CHEMICAL AMOUNT: NOT REPORTED

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE WAREHOUSE

CHEMICAL AMOUNT: 400 POUNDS

CHEMICAL NAME: ANHYDROUS AMMONIA

MAXIMUM AMOUNT: 100000 UNITS (value of unit not provided by reporting agency)

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

PURE: YES MIXTURE: NOT REPORTED

CHEMICAL NAME: DIMETHOATE OR DIMATE 4

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: NOT REPORTED MIXTURE: YES

CHEMICAL NAME: LORSBAN 4E

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: YES MIXTURE: NOT REPORTED

CHEMICAL NAME: YUMA

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: YES MIXTURE: NOT REPORTED

MIXTURE CHEMICAL: GAS

MIXTURE CHEMICAL: DIMETHOATE

Tier II Chemical Reporting Program Facilities (TIERII)

MIXTURE CHEMICAL: CHLORPYRIFOS

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Tier II Chemical Reporting Program Facilities (TIERII)

MAP ID# 2

Distance from Property: 0.24 mi. NW

SITE INFORMATION

UNIQUE ID: 5N22LZ002CYD

SITE ID: FATR20075N22LZ002CYD

NAME: ADAIR GRAIN INC., DBA WEST FERTILIZER CO.

ADDRESS: 1471 N.JERRY MASHEK DRIVE STREET
WEST, TX 76691

SIGNED DATE: 2/19/2008

VALIDATION REPORT: THIS FACILITY PASSED ALL VALIDATION CHECKS.

MAILING ADDRESS: P.O.BOX 399

WEST, TX 76691

SITE DETAILS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 15 GALLONS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 32 GALLONS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 5 GALLONS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 50 GALLONS

CHEMICAL LOCATION:

#25 AMMONIA TANKS

CHEMICAL AMOUNT: 117000 POUNDS

CHEMICAL NAME: ANHYDROUS AMMONIA

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: YES MIXTURE: NOT REPORTED

CHEMICAL NAME: BIDRIN 8

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: NOT REPORTED MIXTURE: YES

CHEMICAL NAME: CYCLONE PARAQUAT HERBICIDE

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: NOT REPORTED MIXTURE: YES

CHEMICAL NAME: DIMETHOATE 400 OR DIMATE 4 E

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: NOT REPORTED MIXTURE: YES

CHEMICAL NAME: VYDATE CLV

MAXIMUM AMOUNT: NOT REPORTED

Tier II Chemical Reporting Program Facilities (TIERII)

FIRE: **NOT REPORTED** GAS: **NOT REPORTED** LIQUID: **YES** SOLID: **NOT REPORTED**
PURE: **NOT REPORTED** MIXTURE: **YES**
MIXTURE CHEMICAL: **NOT REPORTED**

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Tier II Chemical Reporting Program Facilities (TIERII)

MAP ID# 2

Distance from Property: 0.24 mi. NW

SITE INFORMATION

UNIQUE ID: 6B71WW005QHP

SITE ID: FATR20086B71WW005QHP

NAME: ADAIR GRAIN INC. DBA WEST FERTILIZER CO.

ADDRESS: 1471 N. JERRY MASHEK DRIVE
WEST, TX 76691

SIGNED DATE: 2/11/2009

VALIDATION REPORT: THIS FACILITY PASSED ALL VALIDATION CHECKS. YOU HAVE CHECKED THE BOX INDICATING THAT SITE PLANS HAVE BEEN SUBMITTED. SINCE NO SITE PLAN FILES HAVE BEEN ADDED IN TIER2 SUBMIT, PLEASE ENSURE THAT YOU SUBMIT APPROPRIATE SITE PLANS (PAPER OR ELECTRONIC).

MAILING ADDRESS: P.O. BOX 399

WEST, TX 76691

SITE DETAILS

SITE TYPE: FERTILIZER (MIXING ONLY) MANUFACTURING

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 15 GALLONS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 5 GALLONS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 50 POUNDS

CHEMICAL LOCATION:

#25 AMMONIA TANKS

CHEMICAL AMOUNT: 117000 POUNDS

CHEMICAL NAME: ANHYDROUS AMMONIA

MAXIMUM AMOUNT: 100000 UNITS (value of unit not provided by reporting agency)

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

PURE: YES MIXTURE: NOT REPORTED

CHEMICAL NAME: BIDRIN 8

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: NOT REPORTED MIXTURE: YES

CHEMICAL NAME: CYCLONE PARAQUAT HERBICIDE

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: NOT REPORTED MIXTURE: YES

CHEMICAL NAME: DIMETHOATE 400 OR DIMATE 4

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: NOT REPORTED MIXTURE: YES

CHEMICAL NAME: VYDATE CLV

MAXIMUM AMOUNT: NOT REPORTED

GeoSearch www.geo-search.com 888-396-0042

Tier II Chemical Reporting Program Facilities (TIERII)

FIRE: **NOT REPORTED** GAS: **NOT REPORTED** LIQUID: **YES** SOLID: **NOT REPORTED**
PURE: **NOT REPORTED** MIXTURE: **YES**
MIXTURE CHEMICAL: **NOT REPORTED**

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Tier II Chemical Reporting Program Facilities (TIERII)

MAP ID# 2

Distance from Property: 0.24 mi. NW

SITE INFORMATION

UNIQUE ID: 4Y6WMN002WCE

SITE ID: FATR20064Y6WMN002WCE

NAME: ADAIR GRAIN INC., DBA WEST FERTILIZER CO.

ADDRESS: 1471 N. JERRY MASHEK DRIVE
WEST, TX 76691

SIGNED DATE: 2/14/2007

VALIDATION REPORT: THIS FACILITY PASSED ALL VALIDATION CHECKS.

MAILING ADDRESS: P.O. BOX 399

WEST, TX 76691

SITE DETAILS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 50 GALLONS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 15 GALLONS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 32 POUNDS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 5 GALLONS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 7.5 GALLONS

CHEMICAL LOCATION:

#25 AMMONIA TANKS

CHEMICAL AMOUNT: 117,000 POUNDS

CHEMICAL NAME: ANHYDROUS AMMONIA

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: YES MIXTURE: NOT REPORTED

CHEMICAL NAME: BIDRIN 8

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: NOT REPORTED MIXTURE: YES

CHEMICAL NAME: CYCLONE PARAQUAT HERBICIDE

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: NOT REPORTED MIXTURE: YES

CHEMICAL NAME: DIMETHOATE 400 OR DIMATE 4 E

MAXIMUM AMOUNT: NOT REPORTED

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

GeoSearch www.geo-search.com 888-396-0042

Tier II Chemical Reporting Program Facilities (TIERII)

PURE: **NOT REPORTED** MIXTURE: **YES**

CHEMICAL NAME: **GRAMOXENE MAX**

MAXIMUM AMOUNT: **NOT REPORTED**

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

PURE: **NOT REPORTED** MIXTURE: **YES**

CHEMICAL NAME: **VYDATE CLV**

MAXIMUM AMOUNT: **NOT REPORTED**

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

PURE: **NOT REPORTED** MIXTURE: **YES**

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Tier II Chemical Reporting Program Facilities (TIERII)

MAP ID# 2

Distance from Property: 0.24 mi. NW

SITE INFORMATION

UNIQUE ID: 46HU02002C9H

SITE ID: FATR200546HU02002C9H

NAME: ADAIR GRAIN INC. DBA WEST FERTILIZER CO.

ADDRESS: 1471 N. JERRY MASHEK DRIVE
WEST MCLENNAN USA, TX 76691

SIGNED DATE: 1/13/2006

VALIDATION REPORT: THIS FACILITY PASSED ALL VALIDATION CHECKS.

MAILING ADDRESS: P.O. BOX 399

WEST, TX 76691

SITE DETAILS

CHEMICAL LOCATION:

23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 15 GALLONS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 2120 POUNDS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 22 GALLONS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 25 GALLONS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 7.5 GALLONS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 95 GALLONS

CHEMICAL LOCATION:

#25 AMMONIA TANKS

CHEMICAL AMOUNT: 117000 POUNDS

CHEMICAL LOCATION:

23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 15 GALLONS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 25 GALLONS

CHEMICAL LOCATION:

#25 AMMONIA TANKS

CHEMICAL AMOUNT: 117000 POUNDS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 22 GALLONS

Tier II Chemical Reporting Program Facilities (TIERII)

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 2120 POUNDS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 95 GALLONS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 7.5 GALLONS

CHEMICAL NAME: **CYCLONE PARAQUAT HERBICIDE**

MAXIMUM AMOUNT: **NOT REPORTED**

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

PURE: **NOT REPORTED** MIXTURE: **YES**

CHEMICAL NAME: **DIMETHOATE 400 OR DIMATE**

MAXIMUM AMOUNT: **NOT REPORTED**

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

PURE: **NOT REPORTED** MIXTURE: **YES**

CHEMICAL NAME: **GRAMOXENE MAX**

MAXIMUM AMOUNT: **NOT REPORTED**

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

PURE: **NOT REPORTED** MIXTURE: **YES**

CHEMICAL NAME: **ANHYDROUS AMMONIA**

MAXIMUM AMOUNT: **NOT REPORTED**

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

PURE: **YES** MIXTURE: **NOT REPORTED**

CHEMICAL NAME: **BIDRIN 8**

MAXIMUM AMOUNT: **NOT REPORTED**

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

PURE: **NOT REPORTED** MIXTURE: **YES**

CHEMICAL NAME: **COUNTER 15 G LND**

MAXIMUM AMOUNT: **NOT REPORTED**

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

PURE: **NOT REPORTED** MIXTURE: **YES**

CHEMICAL NAME: **VYDATE CLV**

MAXIMUM AMOUNT: **NOT REPORTED**

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

PURE: **NOT REPORTED** MIXTURE: **YES**

MIXTURE CHEMICAL: **NOT REPORTED**

MIXTURE CHEMICAL: **NOT REPORTED**

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Tier II Chemical Reporting Program Facilities (TIERII)

MAP ID# 2

Distance from Property: 0.24 mi. NW

SITE INFORMATION

UNIQUE ID: 94MEH5002S4R

SITE ID: FATR201294MEH5002S4R

NAME: ADAIR GRAIN, INC. DBA WEST FERTILIZER CO.

ADDRESS: 1471 N. JERRY MASHEK DRIVE
WEST, TX 76691

SIGNED DATE: 2/26/2013

VALIDATION REPORT: YOU HAVE CHECKED THE BOX INDICATING THAT SITE PLANS HAVE BEEN SUBMITTED. SINCE NO SITE PLAN FILES HAVE BEEN ADDED IN TIER2 SUBMIT, PLEASE ENSURE THAT YOU SUBMIT APPROPRIATE SITE PLANS (PAPER OR ELECTRONIC). THIS FACILITY PASSED ALL VALIDATION CHECKS.

MAILING ADDRESS: P.O. BOX 399
WEST, TX 76691

SITE DETAILS

SITE TYPE: FERTILIZER (MIXING ONLY) MANUFACTURING

CHEMICAL LOCATION:

FERTILIZER PLANT WEST OF OFFICE

CHEMICAL AMOUNT: 270 TONS

CHEMICAL LOCATION:

SOUTH OF DRY FERTILIZER PLANT

CHEMICAL AMOUNT: 110000 POUNDS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE WAREHOUSE

CHEMICAL AMOUNT: 400 POUNDS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE WAREHOUSE

CHEMICAL AMOUNT: 29.75 POUNDS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE WAREHOUSE

CHEMICAL AMOUNT: 192 POUNDS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE WAREHOUSE

CHEMICAL AMOUNT: 60 POUNDS

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE WAREHOUSE

CHEMICAL AMOUNT: 540 POUNDS

CHEMICAL NAME: AMMONIUM NITRATE

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: YES MIXTURE: NOT REPORTED

CHEMICAL NAME: ANHYDROUS AMMONIA

MAXIMUM AMOUNT: 100000 UNITS (value of unit not provided by reporting agency)

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

PURE: YES MIXTURE: NOT REPORTED

CHEMICAL NAME: YUMA

Tier II Chemical Reporting Program Facilities (TIERII)

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: YES MIXTURE: NOT REPORTED

CHEMICAL NAME: SURMOUNT

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: NOT REPORTED MIXTURE: YES

CHEMICAL NAME: REMEDY ULTRA

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: YES MIXTURE: NOT REPORTED

CHEMICAL NAME: RECLAIM

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: YES MIXTURE: NOT REPORTED

CHEMICAL NAME: GRAZONNEXT

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: NOT REPORTED MIXTURE: YES

MIXTURE CHEMICAL: AMMONIUM NITRATE

MIXTURE CHEMICAL: AMMONIA GAS

MIXTURE CHEMICAL: CHLORPYRIFOS

MIXTURE CHEMICAL: PICLORAM TRIISOPROPANOLAMINE SALT

MIXTURE CHEMICAL: TRICLOPYR-2-BUTOXYETHYL ESTER

MIXTURE CHEMICAL: CLOPYRALID MONOETHANOLAMINE SALT

MIXTURE CHEMICAL: 2,4-DICHLOROPHENOXYACETIC ACID, TRIISOPROPANOLAMINE SALT

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Tier II Chemical Reporting Program Facilities (TIERII)

MAP ID# 2

Distance from Property: 0.24 mi. NW

SITE INFORMATION

UNIQUE ID: 70P4J9002XXJ

SITE ID: FATR200970P4J9002XXJ

NAME: ADAIR GRAIN, INC. DBA WEST FERTILIZER CO

ADDRESS: 1471 N. JERRY MASHEK DRIVE
WEST, TX 76691

SIGNED DATE: 2/9/2010

VALIDATION REPORT: THIS FACILITY PASSED ALL VALIDATION CHECKS. YOU HAVE CHECKED THE BOX INDICATING THAT SITE PLANS HAVE BEEN SUBMITTED. SINCE NO SITE PLAN FILES HAVE BEEN ADDED IN TIER2 SUBMIT, PLEASE ENSURE THAT YOU SUBMIT APPROPRIATE SITE PLANS (PAPER OR ELECTRONIC).

MAILING ADDRESS: P.O. BOX 399
WEST, TX 76691

SITE DETAILS

SITE TYPE: FERTILIZER (MIXING ONLY) MANUFACTURING

CHEMICAL LOCATION:

#23 CHEMICAL STORAGE

CHEMICAL AMOUNT: 500 POUNDS

CHEMICAL LOCATION:

#25 AMMONIA TANKS

CHEMICAL AMOUNT: 117000 POUNDS

CHEMICAL NAME: ANHYDROUS AMMONIA

MAXIMUM AMOUNT: 100000 UNITS (value of unit not provided by reporting agency)

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

PURE: YES MIXTURE: NOT REPORTED

CHEMICAL NAME: DIMETHOATE 400 OR DIMATE 4

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: NOT REPORTED MIXTURE: YES

MIXTURE CHEMICAL: GAS

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Tier II Chemical Reporting Program Facilities (TIERII)

MAP ID# 3

Distance from Property: 0.36 mi. W

SITE INFORMATION

UNIQUE ID: 4Z3RDH00F89B

SITE ID: FATR20094Z3RDH00F89B

NAME: WEST ISD

ADDRESS: 406 W. SHOOK
WEST, TX 76691

SIGNED DATE: 2/11/2010

VALIDATION REPORT: THIS FACILITY PASSED ALL VALIDATION CHECKS.

MAILING ADDRESS: NOT REPORTED

SITE DETAILS

SITE TYPE: ADMINISTRATION OF EDUCAT PROG

SITE TYPE: ADMINISTRATION OF EDUCAT PROG

SITE TYPE: ADMINISTRATION OF EDUCAT PROG

CHEMICAL LOCATION:

BETWEEN GYM AND AGRICULTURE BUILDING

CHEMICAL AMOUNT: 8000 GALLONS

CHEMICAL LOCATION:

BETWEEN GYM AND AGRICULTURE BUILDING

CHEMICAL AMOUNT: 8000 GALLONS

CHEMICAL LOCATION:

BETWEEN GYM AND AGRICULTURE BUILDING

CHEMICAL AMOUNT: 8000 GALLONS

CHEMICAL NAME: #2 FUEL OIL

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: NOT REPORTED MIXTURE: YES

CHEMICAL NAME: #2 FUEL OIL

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: NOT REPORTED MIXTURE: YES

CHEMICAL NAME: #2 FUEL OIL

MAXIMUM AMOUNT: NOT REPORTED

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

PURE: NOT REPORTED MIXTURE: YES

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Tier II Chemical Reporting Program Facilities (TIERII)

MAP ID# 4

Distance from Property: 0.49 mi. NW

SITE INFORMATION

UNIQUE ID: 5N891C02BH0A

SITE ID: FATR20095N891C02BH0A

NAME: AIR EVAC LIFETEAM EMS BASE #51

ADDRESS: 505 MEADOW DRIVE
WEST, TX 76691

SIGNED DATE: 2-24-2010

VALIDATION REPORT: THIS FACILITY PASSED ALL VALIDATION CHECKS.

MAILING ADDRESS: NOT REPORTED

SITE DETAILS

CHEMICAL LOCATION:

50 FEET FROM HELIPAD

CHEMICAL AMOUNT: 24200 POUNDS

CHEMICAL LOCATION:

50 FEET FROM HELIPAD

CHEMICAL AMOUNT: 24200 POUNDS

CHEMICAL LOCATION:

50 FEET FROM HELIPAD

CHEMICAL AMOUNT: 24200 POUNDS

CHEMICAL NAME: JET FUEL

MAXIMUM AMOUNT: 24200 UNITS (value of unit not provided by reporting agency)

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

PURE: NOT REPORTED MIXTURE: YES

CHEMICAL NAME: JET FUEL

MAXIMUM AMOUNT: 24200 UNITS (value of unit not provided by reporting agency)

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

PURE: NOT REPORTED MIXTURE: YES

CHEMICAL NAME: JET FUEL

MAXIMUM AMOUNT: 24200 UNITS (value of unit not provided by reporting agency)

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

PURE: NOT REPORTED MIXTURE: YES

MIXTURE CHEMICAL: KEROSENE

MIXTURE CHEMICAL: KEROSENE

MIXTURE CHEMICAL: KEROSENE

[Back to Report Summary](#)

Tier II Chemical Reporting Program Facilities (TIERII)

MAP ID# 4

Distance from Property: 0.49 mi. NW

SITE INFORMATION

UNIQUE ID: 7PTJCM006PWR

SITE ID: FATR20117PTJCM006PWR

NAME: AIR EVAC 51

ADDRESS: 505 MEADOW DRIVE
WEST, TX 76691

SIGNED DATE: 2/8/2012

VALIDATION REPORT: NOT REPORTED

MAILING ADDRESS: NOT REPORTED

SITE DETAILS

SITE TYPE: AMBULANCE SERVICES

SITE TYPE: AIR TRANSP, NONSCHEDULED

SITE TYPE: AMBULANCE SERVICES

SITE TYPE: AIR TRANSP, NONSCHEDULED

CHEMICAL LOCATION:

SOUTH OF OFFICE TRAILER AND HANGAR

CHEMICAL AMOUNT: 26688 POUNDS

CHEMICAL LOCATION:

SOUTH OF OFFICE TRAILER AND HANGAR

CHEMICAL AMOUNT: 26688 POUNDS

CHEMICAL NAME: JET A FUEL

MAXIMUM AMOUNT: 26688 UNITS (value of unit not provided by reporting agency)

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

PURE: NOT REPORTED MIXTURE: YES

CHEMICAL NAME: JET FUELS: JP-5

MAXIMUM AMOUNT: 26688 UNITS (value of unit not provided by reporting agency)

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

PURE: NOT REPORTED MIXTURE: YES

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Tier II Chemical Reporting Program Facilities (TIERII)

MAP ID# 4

Distance from Property: 0.49 mi. NW

SITE INFORMATION

UNIQUE ID: 93QLCA0037AD

SITE ID: FATR201293QLCA0037AD

NAME: AIR EVAC 51

ADDRESS: 505 MEADOW DRIVE
WEST, TX 76691

SIGNED DATE: 2/11/2013

VALIDATION REPORT: NOT REPORTED

MAILING ADDRESS: NOT REPORTED

SITE DETAILS

SITE TYPE: AMBULANCE SERVICES

SITE TYPE: AIR TRANSP, NONSCHEDULED

CHEMICAL LOCATION:

SOUTH OF OFFICE TRAILER AND HANGAR

CHEMICAL AMOUNT: 26688 POUNDS

CHEMICAL NAME: JET A FUEL

MAXIMUM AMOUNT: 26688 UNITS (value of unit not provided by reporting agency)

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

PURE: NOT REPORTED MIXTURE: YES

[Back to Report Summary](#)

Environmental Records Definitions - FEDERAL

AIRSAFS Aerometric Information Retrieval System / Air Facility Subsystem

VERSION DATE: 08/01/12

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

BRS Biennial Reporting System

VERSION DATE: 12/31/11

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

CDL Clandestine Drug Laboratory Locations

VERSION DATE: 09/06/13

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

DOCKETS EPA Docket Data

VERSION DATE: 12/22/05

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

EC Federal Engineering Institutional Control Sites

VERSION DATE: 12/09/13

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

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Environmental Records Definitions - FEDERAL

of a selected remedy for the site as defined by United States Environmental Protection Agency official remedy decision documents. A site listing does not indicate that the institutional and engineering controls are currently in place nor will be in place once the remedy is complete; it only indicates that the decision to include either of them in the remedy is documented as of the completed date of the document. Institutional controls are actions, such as legal controls, that help minimize the potential for human exposure to contamination by ensuring appropriate land or resource use. Engineering controls include caps, barriers, or other device engineering to prevent access, exposure, or continued migration of contamination.

ERNSTX Emergency Response Notification System

VERSION DATE: 12/31/12

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

FRSTX Facility Registry System

VERSION DATE: 08/04/13

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

HMIRSR06 Hazardous Materials Incident Reporting System

VERSION DATE: 01/10/14

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

ICIS Integrated Compliance Information System (formerly DOCKETS)

VERSION DATE: 08/01/12

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

Environmental Records Definitions - FEDERAL

ICISNPDES Integrated Compliance Information System National Pollutant Discharge Elimination System

VERSION DATE: 08/01/12

In 2006, the Integrated Compliance Information System (ICIS) - National Pollutant Discharge Elimination System (NPDES) became the NPDES national system of record for select states, tribes and territories. ICIS-NPDES is an information management system maintained by the United States Environmental Protection Agency's Office of Compliance to track permit compliance and enforcement status of facilities regulated by the NPDES under the Clean Water Act. ICIS-NPDES is designed to support the NPDES program at the state, regional, and national levels.

MLTS Material Licensing Tracking System

VERSION DATE: 01/30/13

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

NPDES06 National Pollutant Discharge Elimination System

VERSION DATE: 04/01/07

Information in this database is extracted from the Water Permit Compliance System (PCS) database which is used by United States Environmental Protection Agency to track surface water permits issued under the Clean Water Act. This database includes permitted facilities located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas. The NPDES database was collected from December 2002 until April 2007. Refer to the PCS and/or ICIS-NPDES database as source of current data.

PADS PCB Activity Database System

VERSION DATE: 06/01/13

The PCB Activity Database System (PADS) is used by the United States Environmental Protection Agency to monitor the activities of polychlorinated biphenyls (PCB) handlers.

PCSR06 Permit Compliance System

VERSION DATE: 08/01/12

The Permit Compliance System is used in tracking enforcement status and permit compliance of facilities controlled by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act and is maintained by the United States Environmental Protection Agency's Office of Compliance. PCS is designed to support the NPDES program at the state, regional, and national levels. This database includes permitted facilities located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

Environmental Records Definitions - FEDERAL

RCRASC RCRA Sites with Controls

VERSION DATE: 09/16/13

This list of Resource Conservation and Recovery Act sites with institutional controls in place is provided by the U.S. Environmental Protection Agency.

SFLIENS CERCLIS Liens

VERSION DATE: 06/08/12

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

SSTS Section Seven Tracking System

VERSION DATE: 12/31/09

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

TRI Toxics Release Inventory

VERSION DATE: 12/31/12

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

TSCA Toxic Substance Control Act Inventory

VERSION DATE: 12/31/06

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

Environmental Records Definitions - FEDERAL

importer site.

HISTPST Historical Gas Stations

VERSION DATE: 07/01/30

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

NLRRCRAG No Longer Regulated RCRA Generator Facilities

VERSION DATE: 12/12/13

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

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

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

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

RCRAGR06 Resource Conservation & Recovery Act - Generator Facilities

VERSION DATE: 12/12/13

This database includes sites listed as generators of hazardous waste (large, small, and exempt) in the RCRAInfo system. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the

Environmental Records Definitions - FEDERAL

data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). This database includes sites located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

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

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

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

BF Brownfields Management System

VERSION DATE: 10/18/13

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

CERCLIS Comprehensive Environmental Response, Compensation & Liability Information System

VERSION DATE: 10/25/13

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

Environmental Records Definitions - FEDERAL

LUCIS Land Use Control Information System

VERSION DATE: 09/01/06

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

NFRAP No Further Remedial Action Planned Sites

VERSION DATE: 10/25/13

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

NLRRCRAT No Longer Regulated RCRA Non-CORRACTS TSD Facilities

VERSION DATE: 12/12/13

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

ODI Open Dump Inventory

VERSION DATE: 06/01/85

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

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

VERSION DATE: 12/12/13

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

DNPL Delisted National Priorities List

VERSION DATE: 10/25/13

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Environmental Records Definitions - FEDERAL

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

DOD Department of Defense Sites

VERSION DATE: 12/01/05

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

FUDS Formerly Used Defense Sites

VERSION DATE: 02/01/13

The 2011 Formerly Used Defense Sites (FUDS) inventory includes properties previously owned by or leased to the United States and under Secretary of Defense Jurisdiction, as well as Munitions Response Areas (MRAs). The remediation of these properties is the responsibility of the Department of Defense. This data is provided by the U.S. Army Corps of Engineers (USACE), the boundaries/polygon data are based on preliminary findings and not all properties currently have polygon data available. **DISCLAIMER:** This data represents the results of data collection/processing for a specific USACE activity and is in no way to be considered comprehensive or to be used in any legal or official capacity as presented on this site. While the USACE has made a reasonable effort to insure the accuracy of the maps and associated data, it should be explicitly noted that USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein. For additional information on Formerly Used Defense Sites please contact the USACE Public Affairs Office at (202) 528-4285.

NLRRCRAC No Longer Regulated RCRA Corrective Action Facilities

VERSION DATE: 12/12/13

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

NPL National Priorities List

VERSION DATE: 10/25/13

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

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PNPL Proposed National Priorities List

VERSION DATE: 10/25/13

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

RCRAC Resource Conservation & Recovery Act - Corrective Action Facilities

VERSION DATE: 12/12/13

This database includes hazardous waste sites listed with corrective action activity in the RCRAInfo system. The Corrective Action Program requires owners or operators of RCRA facilities (or treatment, storage, and disposal facilities) to investigate and cleanup contamination in order to protect human health and the environment. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

RODS Record of Decision System

VERSION DATE: 10/31/13

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

Environmental Records Definitions - STATE (TX)

GWCC Groundwater Contamination Cases

VERSION DATE: 12/31/12

This report contains a listing of groundwater contamination cases which were documented for the 2011 calendar year. Texas Water Code, Section 26.406 requires the annual report to describe the current status of groundwater monitoring activities conducted or required by each agency at regulated facilities or associated with regulated activities. The agencies reporting these contamination cases include the Texas Commission on Environmental Quality, Railroad Commission of Texas, Texas Alliance of Groundwater Districts, and Department of State Health Services.

HISTGWCC Historic Groundwater Contamination Cases

VERSION DATE: NR

This historic report contains all agency groundwater contamination cases documented from 1994 to 2011. The agencies that reported these contamination cases included the Texas Commission on Environmental Quality, Railroad Commission of Texas, Texas Alliance of Groundwater Districts, and Department of State Health Services.

LIENS TCEQ Liens

VERSION DATE: 09/18/13

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

MSD Municipal Setting Designations

VERSION DATE: 04/01/13

The Texas Commission on Environmental Quality defines an MSD as an official state designation given to property within a municipality or its extraterritorial jurisdiction that certifies that designated groundwater at the property is not used as potable water, and is prohibited from future use as potable water because that groundwater is contaminated in excess of the applicable potable-water protective concentration level. The prohibition must be in the form of a city ordinance, or a restrictive covenant that is enforceable by the city and filed in the property records. The MSD property can be a single property, multi-property, or a portion of property.

NOV Notice of Violations

VERSION DATE: 11/08/13

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

Environmental Records Definitions - STATE (TX)

SIEC01 State Institutional/Engineering Control Sites

VERSION DATE: 12/05/13

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

SPILLS Spills Listing

VERSION DATE: 11/08/13

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

DCR Dry Cleaner Registration Database

VERSION DATE: 10/01/13

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

IHW Industrial and Hazardous Waste Sites

VERSION DATE: 11/01/13

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

PIHW Permitted Industrial Hazardous Waste Sites

VERSION DATE: 11/01/13

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

Environmental Records Definitions - STATE (TX)

PST Petroleum Storage Tanks

VERSION DATE: 11/04/13

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

APAR Affected Property Assessment Reports

VERSION DATE: 08/30/13

As regulated by the Texas Commission on Environmental Quality, an Affected Property Assessment Report is required when a person is addressing a release of chemical of concern (COC) under 30 TAC Chapter 350, the Texas Risk Reduction Program (TRRP). The purpose of the APAR is to document all relevant affected property information to identify all release sources and COCs, determine the extent of all COCs, identify all transport/exposure pathways, and to determine if any response actions are necessary. The Texas Administrative Code Title 30 §350.4(a)(1) defines affected property as the entire area (i.e. on-site and off-site; including all environmental media) which contains releases of chemicals of concern at concentrations equal to or greater than the assessment level applicable for residential land use and groundwater classification.

BSA Brownfields Site Assessments

VERSION DATE: 12/05/13

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

CALF Closed & Abandoned Landfill Inventory

VERSION DATE: 11/01/05

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

DCRPS Dry Cleaner Remediation Program Sites

VERSION DATE: 09/01/13

This list of DCRP sites is provided by the Texas Commission on Environmental Quality (TCEQ). According to the TCEQ, the Dry Cleaner Remediation Program (DCRP) establishes a prioritization list of dry cleaner sites and

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Environmental Records Definitions - STATE (TX)

administers the Dry Cleaning Remediation fund to assist with remediation of contamination caused by dry cleaning solvents.

IOP Innocent Owner / Operator Database

VERSION DATE: 12/02/13

Texas Innocent Owner / Operator (IOP), created by House Bill 2776 of the 75th Legislature, provides a certificate to an innocent owner or operator if their property is contaminated as a result of a release or migration of contaminants from a source or sources not located on the property, and they did not cause or contribute to the source or sources of contamination. The IOP database is maintained by the Texas Commission on Environmental Quality.

LPST Leaking Petroleum Storage Tanks

VERSION DATE: 11/01/13

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

MSWLF Municipal Solid Waste Landfill Sites

VERSION DATE: 08/30/13

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

RRCVCP Railroad Commission VCP and Brownfield Sites

VERSION DATE: 10/15/13

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

RWS Radioactive Waste Sites

VERSION DATE: 07/11/06

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

TIERII Tier II Chemical Reporting Program Facilities

VERSION DATE: 12/31/12

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Environmental Records Definitions - STATE (TX)

The Texas Tier II Chemical Reporting Program in the Department of State Health Services (DSHS) is the state repository for EPCRA-required Emergency Planning Letters (EPLs), which are one-time notifications to the state from facilities that have certain extremely hazardous chemicals in specified amounts. The Program is also the state repository for EPCRA/state-required hazardous chemical inventory reports called Texas Tier Two Reports. This data contains those facility reports for the 2005 through the 2012 calendar years.

VCP Voluntary Cleanup Program Sites

VERSION DATE: 12/05/13

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

WMRF Recycling Facilities

VERSION DATE: 11/01/12

This listing of recycling facilities is provided by the Texas Commission on Environmental Quality's Recycle Texas Online service. The company information provided in this database is self-reported. Since recyclers post their own information, a facility or company appearing on the list does not imply that it is in compliance with TCEQ regulations or other applicable laws. This database is no longer maintained and includes the last compilation of the program participants before the Recycle Texas Online program was closed.

IHWCA Industrial and Hazardous Waste Corrective Action Sites

VERSION DATE: 11/25/13

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

SF State Superfund Sites

VERSION DATE: 12/01/13

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

Environmental Records Definitions - STATE (TX)

evaluates these facilities for inclusion on the state Superfund registry. This registry includes any recent developments and the anticipated action for these sites.

Environmental Records Definitions - TRIBAL

USTR06 Underground Storage Tanks On Tribal Lands

VERSION DATE: 02/01/13

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

LUSTR06 Leaking Underground Storage Tanks On Tribal Lands

VERSION DATE: 02/01/13

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

ODINDIAN Open Dump Inventory on Tribal Lands

VERSION DATE: 11/08/06

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

INDIANRES Indian Reservations

VERSION DATE: 01/01/00

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