

GILLESPIE COUNTY

BIRDS

whooping crane *Grus americana*

Small ponds, marshes, and flooded grain fields for both roosting and foraging. Potential migrant via plains throughout most of state to coast; winters in coastal marshes of Aransas, Calhoun, and Refugio counties.

Federal Status: LE	State Status: E	SGCN: Y
Endemic: N	Global Rank: G1	State Rank: S1N

zone-tailed hawk *Buteo albonotatus*

Arid open country, including open deciduous or pine-oak woodland, mesa or mountain country, often near watercourses, and wooded canyons and tree-lined rivers along middle-slopes of desert mountains; nests in various habitats and sites, ranging from small trees in lower desert, giant cottonwoods in riparian areas, to mature conifers in high mountain regions

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S3B

FISH

Guadalupe bass *Micropterus treculii*

Endemic to the streams of the northern and eastern Edwards Plateau including portions of the Brazos, Colorado, Guadalupe, and San Antonio basins; species also found outside of the Edwards Plateau streams in decreased abundance, primarily in the lower Colorado River; two introduced populations have been established in the Nueces River system. A pure population was re-established in a portion of the Blanco River in 2014. Species prefers lentic environments but commonly taken in flowing water; numerous smaller fish occur in rapids, many times near eddies; large individuals found mainly in riffle tail races; usually found in spring-fed streams having clear water and relatively consistent temperatures.

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S3

Texas shiner *Notropis amabilis*

In Texas, it is found primarily in Edwards Plateau streams from the San Gabriel River in the east to the Pecos River in the west. Typical habitat includes rocky or sandy runs, as well as pools.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S4

INSECTS

American bumblebee *Bombus pensylvanicus*

Habitat description is not available at this time.

Federal Status:	State Status:	SGCN: Y
Endemic:	Global Rank: G3G4	State Rank: SNR

No accepted common name *Xiphocentron messapus*

Habitat description is not available at this time.

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G1G3	State Rank: S2?

DISCLAIMER

The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information.

GILLESPIE COUNTY

MAMMALS

American badger *Taxidea taxus*

Habitat description is not available at this time.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S5

black bear *Ursus americanus*

In Chisos, prefers higher elevations where pinyon-oaks predominate; also occasionally sighted in desert scrub of Trans-Pecos (Black Gap Wildlife Management Area) and Edwards Plateau in juniper-oak habitat. For ssp. luteolus, bottomland hardwoods, floodplain forests, upland hardwoods with mixed pine; marsh. Bottomland hardwoods and large tracts of inaccessible forested areas.

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3

black-tailed prairie dog *Cynomys ludovicianus*

Dry, flat, short grasslands with low, relatively sparse vegetation, including areas overgrazed by cattle; live in large family groups

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S3

cave myotis bat *Myotis velifer*

Colonial and cave-dwelling; also roosts in rock crevices, old buildings, carports, under bridges, and even in abandoned Cliff Swallow (*Hirundo pyrrhonota*) 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.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4G5	State Rank: S4

eastern red bat *Lasiurus borealis*

Found in a variety of habitats in Texas. Usually associated with wooded areas. Found in towns especially during migration.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G3G4	State Rank: S4

eastern spotted skunk *Spilogale putorius*

Catholic; open fields prairies, croplands, fence rows, farmyards, forest edges & woodlands. Prefer wooded, brushy areas & tallgrass prairies. S.p. ssp. interrupta found in wooded areas and tallgrass prairies, preferring rocky canyons and outcrops when such sites are available.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S1S3

hoary bat *Lasiurus cinereus*

Known from montane and riparian woodland in Trans-Pecos, forests and woods in east and central Texas.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G3G4	State Rank: S4

DISCLAIMER

The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information.

GILLESPIE COUNTY

MAMMALS

Llano pocket gopher	<i>Geomys texensis texensis</i>	
Found in deep, brown loamy sands or gravelly sandy loams and is isolated from other species of pocket gophers by intervening shallow stony to gravelly clayey soils		
Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3T2	State Rank: S2
long-tailed weasel	<i>Mustela frenata</i>	
Includes brushlands, fence rows, upland woods and bottomland hardwoods, forest edges & rocky desert scrub. Usually live close to water.		
Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S5
Mexican free-tailed bat	<i>Tadarida brasiliensis</i>	
Roosts in buildings in east Texas. Largest maternity roosts are in limestone caves on the Edwards Plateau. Found in all habitats, forest to desert.		
Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S5
mink	<i>Neovison vison</i>	
Intimately associated with water; coastal swamps & marshes, wooded riparian zones, edges of lakes. Prefer floodplains.		
Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S4
mountain lion	<i>Puma concolor</i>	
Rugged mountains & riparian zones.		
Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S2S3
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		
Federal Status:	State Status:	SGCN: N
Endemic: N	Global Rank: G4T4	State Rank: S1S3
pronghorn	<i>Antilocapra americana</i>	
Prefers hilly & plateau areas of open grassland, desert-grassland, & desert-scrub, where it frequents south-facing slopes & other sheltered areas.		
Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S5

DISCLAIMER

The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information.

GILLESPIE COUNTY

MAMMALS

swamp rabbit *Sylvilagus aquaticus*

Habitat description is not available at this time.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S5

Townsend's big-eared bat *Corynorhinus townsendii*

Habitat description is not available at this time.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S3?

tricolored bat *Perimyotis subflavus*

Forest, woodland and riparian areas are important. Caves are very important to this species.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G2G3	State Rank: S3S4

western hog-nosed skunk *Conepatus leuconotus*

Habitats include woodlands, grasslands & deserts, to 7200 feet, most common in rugged, rocky canyon country; little is known about the habitat of the ssp. *telmalestes*

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S4

western spotted skunk *Spilogale gracilis*

Habitat description is not available at this time.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S5

white-nosed coati *Nasua narica*

Woodlands, riparian corridors and canyons. Most individuals in Texas probably transients from Mexico; diurnal and crepuscular; very sociable; forages on ground and in trees; omnivorous; may be susceptible to hunting, trapping, and pet trade

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S1

woodland vole *Microtus pinetorum*

Include grassy marshes, swamp edges, old-field/pine woodland ecotones, tallgrass fields; generally sandy soils.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3

DISCLAIMER

The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information.

GILLESPIE COUNTY

MOLLUSKS

false spike mussel *Fusconaia mitchelli*

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

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G1	State Rank: S1

golden orb *Quadrula aurea*

Sand and gravel in some locations and mud at others; found in lentic and lotic; Guadalupe, San Antonio, Lower San Marcos, and Nueces River basins

Federal Status: C	State Status: T	SGCN: Y
Endemic: Y	Global Rank: G1	State Rank: S2

Texas fatmucket *Lampsilis bracteata*

Streams and rivers on sand, mud, and gravel substrates; intolerant of impoundment; broken bedrock and coarse gravel or sand in moderately flowing water; Colorado and Guadalupe River basins

Federal Status: C	State Status: T	SGCN: Y
Endemic: Y	Global Rank: G1	State Rank: S1

Texas pimpleback *Cyclonaias petrina*

Mud, gravel and sand substrates, generally in areas with slow flow rates; Colorado River basin.

Federal Status: C	State Status: T	SGCN: Y
Endemic: Y	Global Rank: G2	State Rank: S1

REPTILES

northern spot-tailed earless lizard *Holbrookia lacerata lacerata*

Habitat description is not available at this time.

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3G4TNR	State Rank: S2

slender glass lizard *Ophisaurus attenuatus*

Prefers relatively dry microhabitats, usually associated with grassy areas. Habitats include open grassland, prairie, woodland edge, open woodland, oak savannas, longleaf pine flatwoods, scrubby areas, fallow fields, and areas near streams and ponds, often in habitats with sandy soil. This species often appears on roads in spring. During inactivity, it occurs in underground burrows. In Kansas, slender glass lizards were scarce in heavily grazed pastures, increased as grass increased with removal of grazing, and declined as brush and trees replaced grass (Fitch 1989). Eggs are laid underground, under cover, or under grass clumps (Ashton and Ashton 1985); in cavities beneath flat rocks or in abandoned tunnels of small mammals (Scalopus, Microtus) (Fitch 1989).

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3

DISCLAIMER

The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information.

GILLESPIE COUNTY

REPTILES

spot-tailed earless lizard *Holbrookia lacerata*

Central and southern Texas and adjacent Mexico; moderately open prairie-brushland; fairly flat areas free of vegetation or other obstructions, including disturbed areas; eats small invertebrates; eggs laid underground

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G3G4	State Rank: S2

Texas garter snake *Thamnophis sirtalis annectens*

Irrigation canals and riparian-corridor farmlands in west; marshy, flooded pastureland, grassy or brushy borders of permanent bodies of water; coastal salt marshes. 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.

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G5T4	State Rank: S1

Texas horned lizard *Phrynosoma cornutum*

Occurs to 6000 feet, but largely limited below the pinyon-juniper zone on mountains in the Big Bend area. Open, arid and semi-arid regions with sparse vegetation, including grass, cactus, scattered brush or scrubby trees; soil may vary in texture from sandy to rocky; burrows into soil, enters rodent burrows, or hides under rock when inactive; breeds March-September.

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G4G5	State Rank: S3

Texas map turtle *Graptemys versa*

Rivers with moderate current, abundant aquatic vegetation, and basking logs; also associated oxbows and lakes (Bartlett and Bartlett 1999).

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G4	State Rank: SU

Texas tortoise *Gopherus berlandieri*

Open brush with a grass understory is preferred; open grass and bare ground are avoided. Seasonally flooded tidal flats are not utilized. When inactive occupies shallow depressions at base of bush or cactus, sometimes in underground burrows or under objects; longevity greater than 50 years; active March-November; breeds April-November

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S2

western box turtle *Terrapene ornata*

Ornate or western box turtles inhabit prairie grassland, pasture, fields, sandhills, and open woodland. They are essentially terrestrial but sometimes enter slow, shallow streams and creek pools. For shelter, they burrow into soil (e.g., under plants such as yucca) (Converse et al. 2002) or enter burrows made by other species; winter burrow depth was 0.5-1.8 meters in Wisconsin (Doroff and Keith 1990), 7-120 cm (average depth 54 cm) in Nebraska (Converse et al. 2002). Eggs are laid in nests dug in soft well-drained soil in open area (Legler 1960, Converse et al. 2002). Very partial to sandy soil.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3

DISCLAIMER

The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information.

GILLESPIE COUNTY

PLANTS

basin bellflower *Campanula reverchonii*

Among scattered vegetation on loose gravel, gravelly sand, and rock outcrops on open slopes with exposures of igneous and metamorphic rocks; may also occur on sandbars and other alluvial deposits along major rivers; flowering May-July

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G2	State Rank: S2

Basin wild-buckwheat *Eriogonum tenellum var. ramosissimum*

Usually rooted in crevices of sparsely vegetated, unshaded granite and gneiss outcrops or associated deposits of dry sand and gravel; Perennial; Flowering Apr-Dec

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G5T3	State Rank: S3

big red sage *Salvia pentstemonoides*

Moist to seasonally wet, steep limestone outcrops on seeps within canyons or along creek banks; occasionally on clayey to silty soils of creek banks and terraces, in partial shade to full sun; basal leaves conspicuous for much of the year; flowering June-October

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G1	State Rank: S1

bigflower cornsalad *Valerianella stenocarpa*

Usually along creekbeds or in vernal moist grassy open areas (Carr 2015).

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S3

broadpod twistflower *Streptanthus platycarpus*

Western Edwards Plateau and the Trans-Pecos, seemingly disjunct in Llano Uplift area, occurring sparingly in various habitats; Biennial Annual; Flowering/Fruiting March-June

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G3	State Rank: S3

canyon rattlesnake-root *Prenanthes carrii*

Rich humus soils over limestone in upper woodland canyon drainages, upper small spring fed drainages, typically near springs in deep soils around the springs and on limestone shelves, honeycomb rock (porous rock); flowering and fruiting late August-November

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G2	State Rank: S2

DISCLAIMER

The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information.

GILLESPIE COUNTY

PLANTS

Correll's false dragon-head *Physostegia correllii*

Wet, silty clay loams on streambanks, in creek beds, irrigation channels and roadside drainage ditches; or seepy, mucky, sometimes gravelly soils along riverbanks or small islands in the Rio Grande; or underlain by Austin Chalk limestone along gently flowing spring-fed creek in central Texas; flowering May-September

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G2	State Rank: S2

Edwards Plateau cornsalad *Valerianella texana*

Very shallow, well-drained, but seasonally moist gravelly-sandy soils derived from igneous or metamorphic rocks, often along the downslope margin of rock outcrops, in full sun or in partial shade of oak-juniper woodlands; more likely encountered in early successional areas; population numbers fluctuate considerably from year to year, with higher numbers following winters with higher rains and/or moderate temperatures; peak flowering/fruiting mid-March–late April, stems wither and disappear by the beginning of May

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G2	State Rank: S2

Guadalupe beardtongue *Penstemon guadalupensis*

Scattered in calcareous prairies on the Lampasas Cutplain and Edwards Plateau; Perennial; Flowering/Fruiting March-July

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S3

Heller's beardtongue *Penstemon triflorus* ssp. *integrifolius*

Occurs sparingly on rock outcrops and in grasslands associated with juniper-oak woodlands (Carr 2015).

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3T2	State Rank: S2

Hill Country wild-mercury *Argythamnia aphoroides*

Mostly in bluestem-grama grasslands associated with plateau live oak woodlands on shallow to moderately deep clays and clay loams over limestone on rolling uplands, also in partial shade of oak-juniper woodlands in gravelly soils on rocky limestone slopes; Perennial; Flowering April-May with fruit persisting until midsummer

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G2G3	State Rank: S2S3

Llano butterweed *Packera texensis*

Endemic to Llano Uplift of Edwards Plateau; granite sands; arises quickly from evergreen winter rosettes during January rains; flowers Feb-Mar.

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G2	State Rank: S2

DISCLAIMER

The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information.

GILLESPIE COUNTY

PLANTS

narrowleaf brickellbush *Brickellia eupatorioides* var. *gracillima*

Moist to dry gravelly alluvial soils along riverbanks but also on limestone slopes; Perennial; Flowering/Fruiting April-Nov

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G5T3	State Rank: S3

rock quillwort *Isoetes lithophila*

Rooted in sand and gravel under shallow water of seasonal pools (vernal pools) that develop during rainy seasons in small, shallow, unshaded basins on barren outcrops of granite and gneiss; sporulating in late winter and spring, and opportunistically in other seasons following heavy rainfall

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G2	State Rank: S1

scarlet leather-flower *Clematis texensis*

Usually in oak-juniper woodlands in mesic rocky limestone canyons or along perennial streams; Perennial; Flowering March-July; Fruiting May-July

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3G4	State Rank: S3S4

small-headed pipewort *Eriocaulon koernickianum*

In East Texas, post-oak woodlands and xeric sandhill openings on permanently wet acid sands of upland seeps and hillside seepage bogs, usually in patches of bare sand rather than among dense vegetation or on muck; in Gillespie County, on permanently wet or moist hillside seep on decomposing granite gravel and sand among granite outcrops; flowering/fruiting late May-late June

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G2	State Rank: S1S2

sparsely-flowered jewelflower *Streptanthus sparsiflorus*

Shaded areas in gravelly limestone canyons and arroyos, often in dry creek beds at elevations ranging 1,200-1,800 m (3,900-5,900 ft); flowering May-June; populations vary widely in size from year to year depending on rainfall

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G2Q	State Rank: S1

sycamore-leaf snowbell *Styrax platanifolius* ssp. *platanifolius*

Rare throughout range, usually in oak-juniper woodlands on steep rocky banks and ledges along intermittent or perennial streams, rarely far from some reliable source of moisture; Perennial; Flowering April-May; Fruiting May-Aug.

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3T3	State Rank: S3

DISCLAIMER

The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information.

GILLESPIE COUNTY

PLANTS

Texas amorphia *Amorpha roemeriana*

Juniper-oak woodlands or shrublands on rocky limestone slopes, sometimes on dry shelves above creeks; Perennial; Flowering May-June; Fruiting June-Oct

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G3	State Rank: S3

Texas fescue *Festuca versuta*

Occurs in mesic woodlands on limestone-derived soils on stream terraces and canyon slopes; Perennial; Flowering/Fruiting April-June

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G3	State Rank: S3

Texas peachbush *Prunus texana*

Occurs at scattered sites in various well drained sandy situations; deep sand, plains and sand hills, grasslands, oak woods, 0-200 m elevation; Perennial; Flowering Feb-Mar; Fruiting Apr-Jun

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3G4	State Rank: S3S4

Texas seymeria *Seymeria texana*

Found primarily in grassy openings in juniper-oak woodlands on dry rocky slopes but sometimes on rock outcrops in shaded canyons; Annual; Flowering May-Nov; Fruiting July-Nov

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S3

threeflower penstemon *Penstemon triflorus ssp. triflorus*

Occurs sparingly on rock outcrops and in grasslands associated with juniper-oak woodlands (Carr 2015).

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3T3	State Rank: S3

Tobusch fishhook cactus *Sclerocactus brevihamatus ssp. tobuschii*

Shallow, moderately alkaline, stony clay and clay loams over massive fractured limestone; usually on level to slightly sloping hilltops; occasionally on relatively level areas on steeper slopes, and in rocky floodplains; usually open areas within a mosaic of oak-juniper woodlands, occasionally in pine-oak woodlands, rarely in cenizo shrublands or little bluestem grasslands; sites are usually open with only herbaceous cover, although the cactus may be somewhat protected by rocks, grasses, or spikemosses; flowering (late January-) February-March (rarely early April)

Federal Status: LT	State Status: E	SGCN: Y
Endemic: Y	Global Rank: G4T3	State Rank: S3

DISCLAIMER

The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information.

GILLESPIE COUNTY

PLANTS

tree dodder *Cuscuta exaltata*

Parasitic on various *Quercus*, *Juglans*, *Rhus*, *Vitis*, *Ulmus*, and *Diospyros* species as well as *Acacia berlandieri* and other woody plants; Annual; Flowering May-Oct; Fruiting July-Oct

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G3	State Rank: S3

turnip-root scurfea *Pediomelum cyphocalyx*

Grasslands and openings in juniper-oak woodlands on limestone substrates on the Edwards Plateau and in north-central Texas (Carr 2015).

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3G4	State Rank: S3S4

Warnock's coral-root *Hexalectris warnockii*

In leaf litter and humus in oak-juniper woodlands on shaded slopes and intermittent, rocky creekbeds in canyons; in the Trans Pecos in oak-pinyon-juniper woodlands in higher mesic canyons (to 2000 m [6550 ft]), primarily on igneous substrates; in Terrell County under *Quercus fusiformis* mottes on terraces of spring-fed perennial streams, draining an otherwise rather xeric limestone landscape; on the Callahan Divide (Taylor County), the White Rock Escarpment (Dallas County), and the Edwards Plateau in oak-juniper woodlands on limestone slopes; in Gillespie County on igneous substrates of the Llano Uplift; flowering June-September; individual plants do not usually bloom in successive years

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G2G3	State Rank: S2

Wright's milkvetch *Astragalus wrightii*

Habitat description is not available at this time.

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S3

DISCLAIMER

The information on this web application is provided “as is” without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information.

Prepared for:

AUSTIN ENVIROSOLUTIONS
20802 Oak Ridge
Lago Vista, TX 78645-6001



Regulatory Database Report

ASTM E1527-13/AAI Compliant

Burg Property

131 Elberta St

Stonewall, TX

PO #: 2561

ES-136449

Monday, May 17, 2021

Table of Contents

Geographic Summary	3
Database Summary	4
Maps	
Summary Map - 0.25 Mile Radius	5
Summary Map - 0.5 Mile Radius	6
Summary Map - 1 Mile Radius	7
Topographic Overlay Map - 1 Mile Radius	8
Current Imagery Overlay Map - 0.5 Mile Radius	9
Soils Sub-Report	
Soil Survey Map - 0.25 Mile Radius	10
Soils Details	11
Soils Definitions	16
Water & Oil/Gas Wells Sub-Report	
Water & Oil/Gas Wells Map - 0.25 Mile Radius	17
Water & Oil/Gas Wells Details	18
Sites Summary	
Mapped Sites Summary	19
Unmapped Sites Summary	20
Zip Code Map - 1 Mile Radius	21
Sites Details	
Mapped Sites Details	22
Unmapped Sites Details	23
Federal & State Database Definitions and Sources	37
Disclaimer	40

Geographic Summary

Location

TX

Coordinates

Longitude & Latitude in Degrees Minutes Seconds -98° 39' 15", 30° 14' 11"

Longitude & Latitude in Decimal Degrees -98.654031°, 30.23634°

X and Y in UTM 533289.46, 3345024.25 (Zone 14)

Elevation

Target Property lies 1458.05 feet above sea level.

Zip Codes Searched

Search Distance	Zip Codes (historical zip codes included)
Target Property	78671
0.25 miles	78671
0.5 miles	78671
1 mile	78624, 78671

Topos Searched

Search Distance	Topo Name
Target Property	Stonewall (1979)
0.25 miles	Stonewall (1979)
0.5 miles	Stonewall (1979)
1 mile	Stonewall (1979), Cave Creek School (1979)

Database Summary

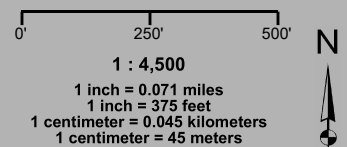
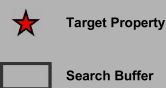
Databases Searched	Distance Searched	# Mapped	# Not Mapped	Total
Federal - ASTM 1527-13/AAI Required				
National Priority List (NPL)	1	0	0	0
Delisted National Priority List (DNPL)	0.5	0	0	0
SEMS (CER SEMS)	0.5	0	0	0
SEMS NFRAP (CER SEMS NFRAP)	0.5	0	0	0
RCRA CORRACTS (RCRA COR)	1	0	0	0
RCRA non-CORRACTS TSD (RCRA TSD)	0.5	0	0	0
RCRA Generators (RCRA GEN)	0.25	0	0	0
Federal Brownfields (FED BWN)	0.5	0	0	0
Federal Institutional Control (FED IC)	0.5	0	0	0
Federal Engineering Control (FED EC)	0.5	0	0	0
ERNS List (ERNS)	0.25	0	0	0
State - ASTM 1527-13/AAI Required				
State/Tribal Equivalent NPL (ST NPL)	1	0	0	0
State/Tribal Equivalent CERCLIS (ST CER)	0.5	0	0	0
State/Tribal Disposal or Landfill (SWLF)	0.5	0	0	0
State/Tribal Leaking Storage Tank (LPST)	0.5	0	4	4
State/Tribal Storage Tank (PST)	0.25	1	8	9
State/Tribal Institutional Control (ST IC)	0.25	0	0	0
State/Tribal Engineering Control (ST EC)	0.5	0	0	0
State/Tribal Voluntary Cleanup (VCP)	0.5	0	0	0
State/Tribal Brownfield (ST BWN)	0.5	0	0	0
State/Tribal Hazardous Waste (HW)	0.25	0	0	0
Non-ASTM/AAI Required Databases				
RCRA (RCRA)	0.25	0	1	1
Dry Cleaners (DRYC)	0.25	0	0	0
State/Tribal Municipal Settings Designation (MS)	0.25	0	0	0
Total Sites Found		1	13	14

Summary Map - 0.25 Mile Radius



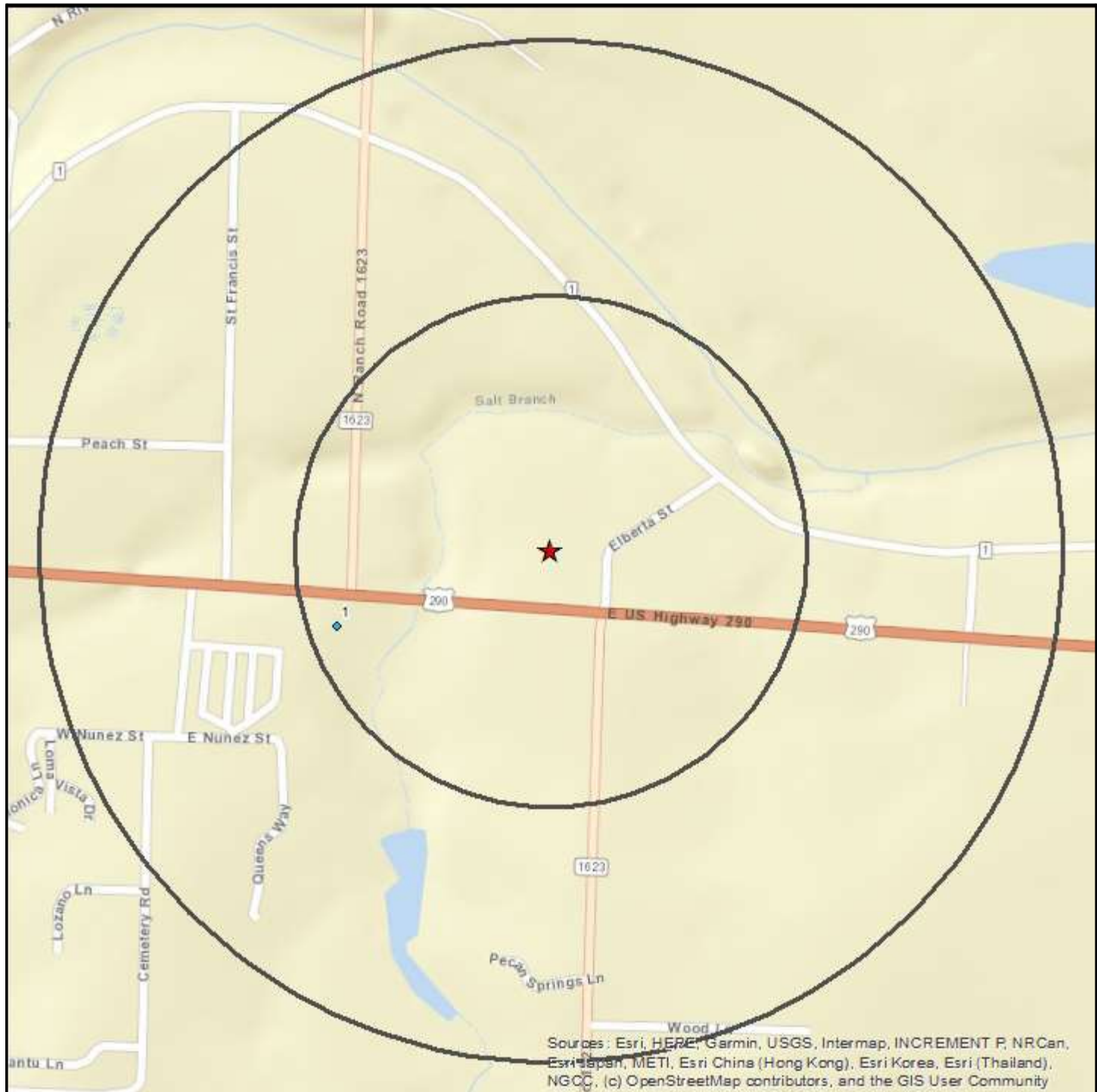
Burg Property

- | | | | |
|--|---|--|--|
| ● Single Site | ● Cluster Site | ■ Large Tract | ■ Cluster Site with Large Tract |
| ● Single Site | ● Cluster Site | ■ Large Tract | ■ Cluster Site with Large Tract |
| ● Single Site | ● Cluster Site | ■ Large Tract | ■ Cluster Site with Large Tract |
- RCRA COR, RCRA TSD, CER, LPST, NPL, ST NPL, SWLF
 RCRA GEN, ST & FED BWN, ST & FED EC, ST & FED IC, DNPL, CER NFRAP, PST, VCP, ST CER
 ERNS, HW, RCRA, DRYC



Lambert Conformal Conic Projection
 1983 North American Datum
 First Standard Parallel: 33° 0' 00" North
 Second Standard Parallel: 45° 0' 00" North
 Central Meridian: 96° 0' 00" West
 Latitude of Origin: 39° 0' 00" North

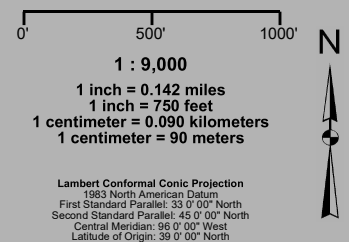
Summary Map - 0.5 Mile Radius



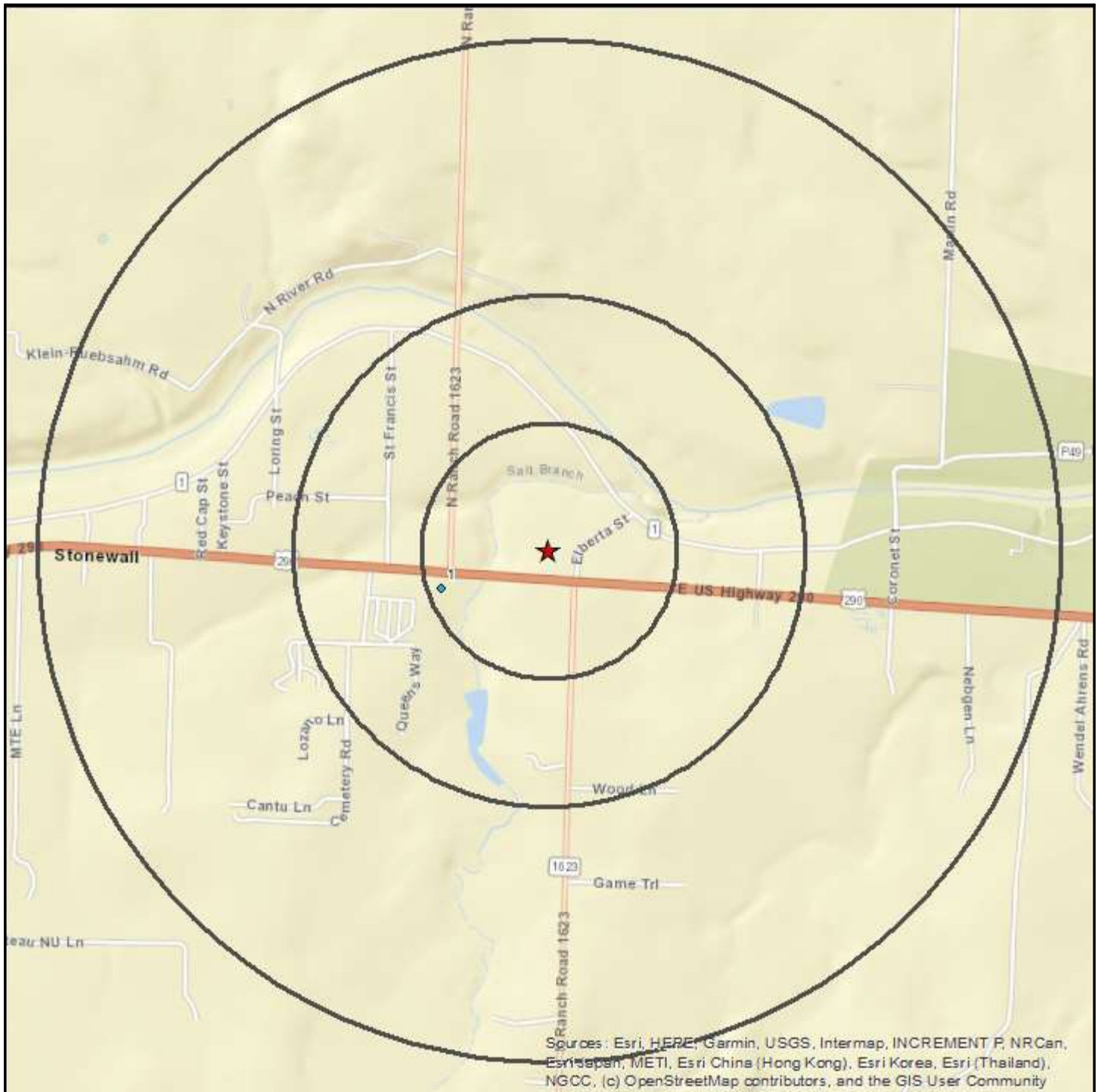
Burg Property

- | | | | |
|--|--|---|---|
|  Single Site |  Cluster Site |  Large Tract |  Cluster Site with Large Tract |
| <i>RCRA COR, RCRA TSD, CER, LPST, NPL, ST NPL, SWLF</i> | | | |
|  Single Site |  Cluster Site |  Large Tract |  Cluster Site with Large Tract |
| <i>RCRA GEN, ST & FED BWN, ST & FED EC, ST & FED IC, DNPL, CER NFRAP, PST, VCP, ST CER</i> | | | |
|  Single Site |  Cluster Site |  Large Tract |  Cluster Site with Large Tract |
| <i>ERNS, HW, RCRA, DRYC</i> | | | |

-  Target Property
-  Search Buffer



Summary Map - 1 Mile Radius



Burg Property

- | | | | | |
|--|---|--|--|--|
| ● Single Site | ● Cluster Site | ■ Large Tract | ■ Cluster Site with Large Tract | ★ Target Property |
| ● Single Site | ● Cluster Site | ■ Large Tract | ■ Cluster Site with Large Tract | Search Buffer |
| ● Single Site | ● Cluster Site | ■ Large Tract | ■ Cluster Site with Large Tract | |
- RCRA COR, RCRA TSD, CER, LPST, NPL, ST NPL, SWLF
RCRA GEN, ST & FED BWN, ST & FED EC, ST & FED IC, DNPL, CER NFRAP, PST, VCP, ST CER
ERNS, HW, RCRA, DRYC

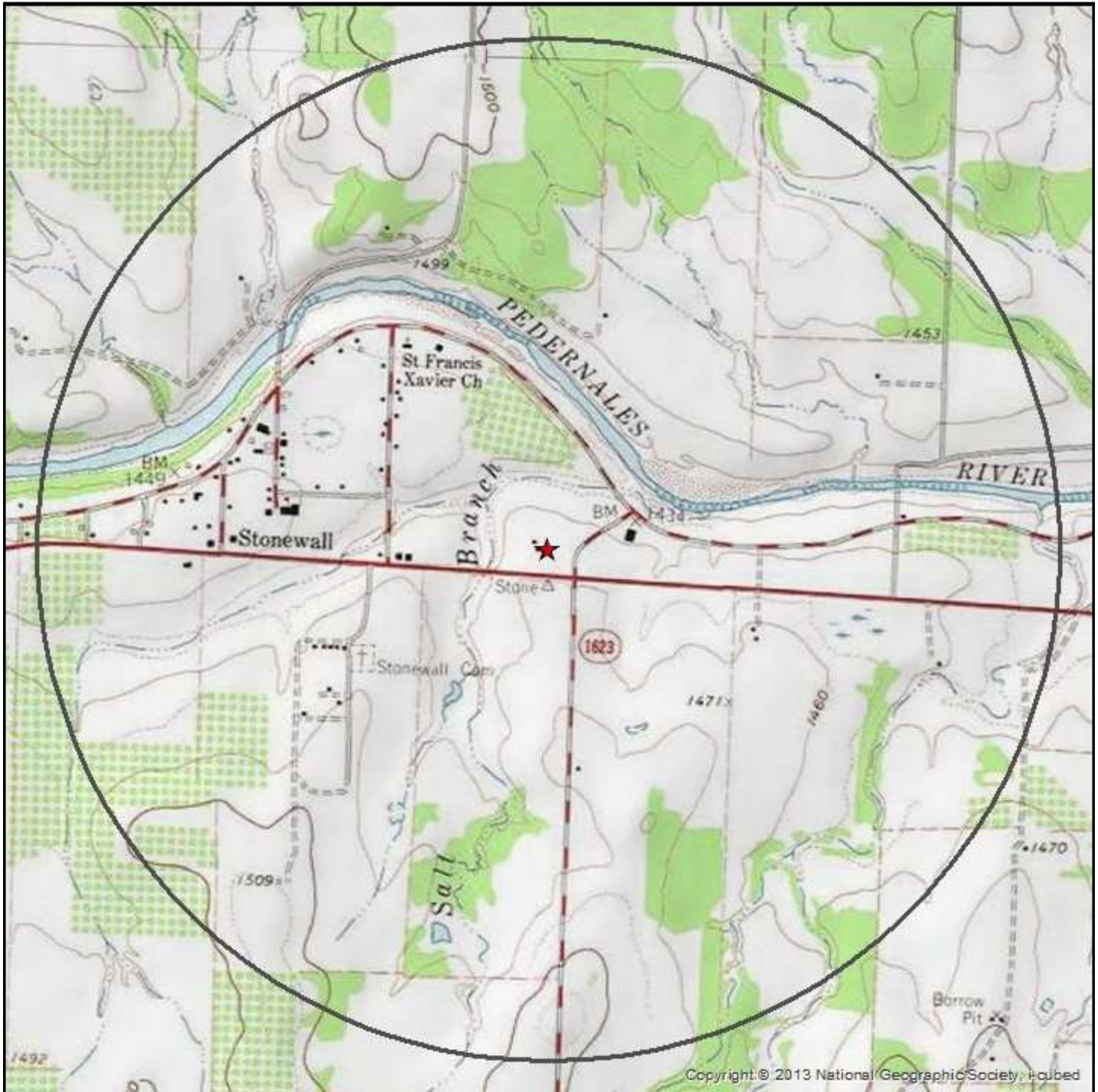
0' 1000' 2000'

1 : 18,000

1 inch = 0.284 miles
1 inch = 1500 feet
1 centimeter = 0.180 kilometers
1 centimeter = 180 meters

Lambert Conformal Conic Projection
1983 North American Datum
First Standard Parallel: 33° 0' 00" North
Second Standard Parallel: 45° 0' 00" North
Central Meridian: 96° 0' 00" West
Latitude of Origin: 39° 0' 00" North

Topographic Overlay Map - 1 Mile Radius



Burg Property

- ★ Target Property
- Search Buffer

Target Property Quad Name(s)
Stonewall (1979)

0' 1000' 2000'

1 : 18,000

1 inch = 0.284 miles
1 inch = 1500 feet

Lambert Conformal Conic Projection
1983 North American Datum
First Standard Parallel: 33° 00' North
Second Standard Parallel: 45° 00' North
Central Meridian: 96° 00' West
Latitude of Origin: 39° 00' North



Current Imagery Overlay Map - 0.5 Mile Radius



Burg Property

- | | | | |
|--|--------------|-------------|-------------------------------|
| Single Site | Cluster Site | Large Tract | Cluster Site with Large Tract |
| <i>RCRA COR, RCRA TSD, CER, LPST, NPL, ST NPL, SWLF</i> | | | |
| Single Site | Cluster Site | Large Tract | Cluster Site with Large Tract |
| <i>RCRA GEN, ST & FED BWN, ST & FED EC, ST & FED IC, DNPL, CER NFRAP, PST, VCP, ST CER</i> | | | |
| Single Site | Cluster Site | Large Tract | Cluster Site with Large Tract |
| <i>ERNS, HW, RCRA, DRYC</i> | | | |

Target Property

Search Buffer

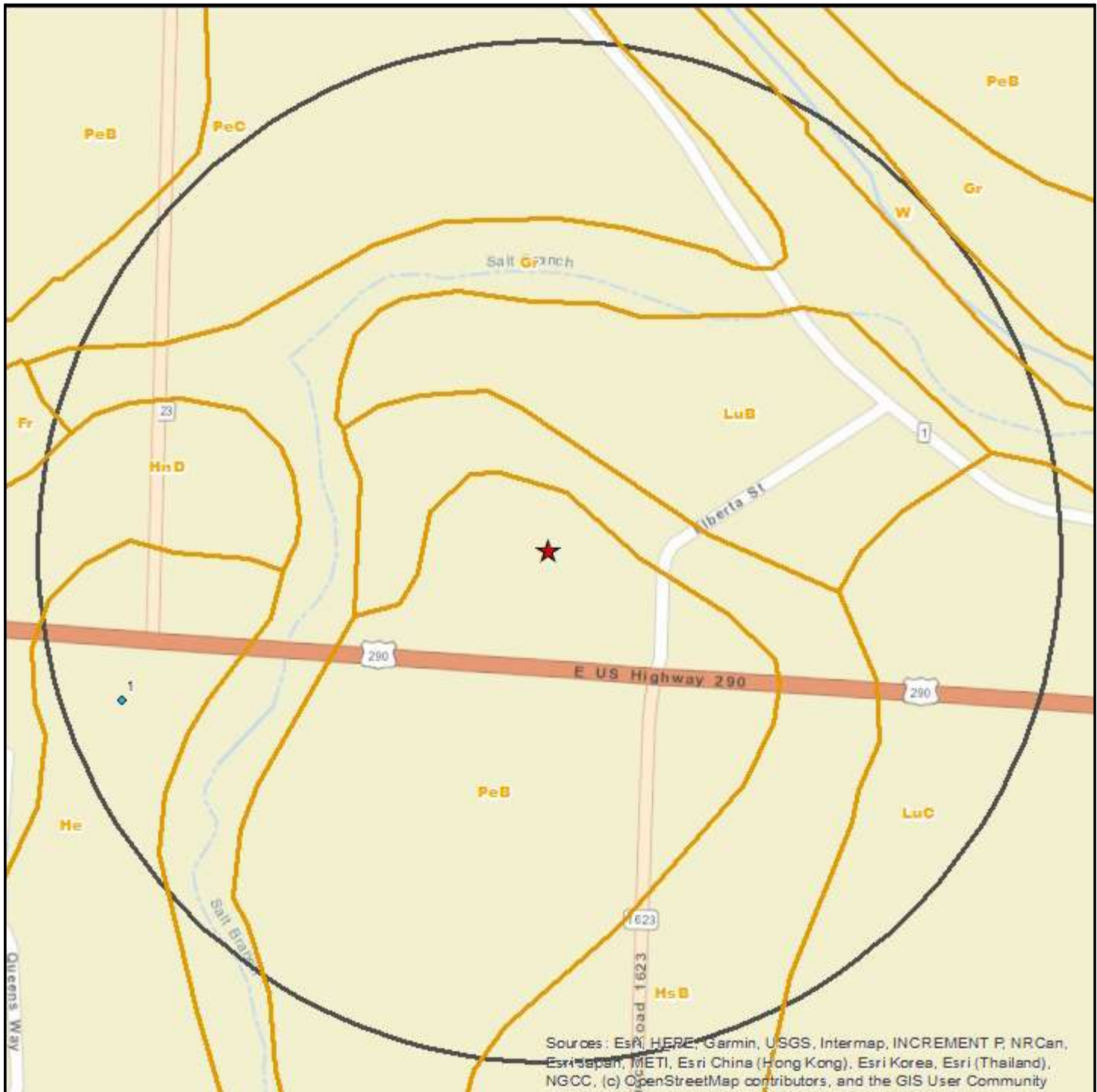
0' 500' 1000' N

1 : 9,000

1 inch = 0.142 miles
1 inch = 750 feet
1 centimeter = 0.090 kilometers
1 centimeter = 90 meters

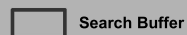
Lambert Conformal Conic Projection
1983 North American Datum
First Standard Parallel: 33° 00' North
Second Standard Parallel: 45° 00' North
Central Meridian: 96° 00' West
Latitude of Origin: 39° 00' North

Soil Survey Map - 0.25 Mile Radius



Burg Property

- | | | | |
|--|---|--|--|
| ● Single Site | ● Cluster Site | ■ Large Tract | ■ Cluster Site with Large Tract |
| <i>RCRA COR, RCRA TSD, CER, LPST, NPL, ST NPL, SWLF</i> | | | |
| ● Single Site | ● Cluster Site | ■ Large Tract | ■ Cluster Site with Large Tract |
| <i>RCRA GEN, ST & FED BWN, ST & FED EC, ST & FED IC, DNPL, CER NFRAP, PST, VCP, ST CER</i> | | | |
| ● Single Site | ● Cluster Site | ■ Large Tract | ■ Cluster Site with Large Tract |
| <i>ERNS, HW, RCRA, DRYC</i> | | | |



0' 250' 500'

1 : 4,500

 1 inch = 0.071 miles
 1 inch = 375 feet

 1 centimeter = 0.045 kilometers
 1 centimeter = 45 meters

 Lambert Conformal Conic Projection
 1983 North American Datum
 First Standard Parallel: 33° 00' North
 Second Standard Parallel: 45° 00' North
 Central Meridian: 96° 00' West
 Latitude of Origin: 39° 00' North


Soils

Soils Types Found

Target Property

PeB

Within 0.25 miles of Target Property

LuB, Gr, W, Fr, PeC, HnD, PeB, HsB, He, LuC

Soil Type Descriptions

Fr - Oakalla silty clay loam, 0 to 2 percent slopes, occasionally flooded

Percent Hydric

1

Minimum Depth to Bedrock

Oakalla (90 percent)

Hydrologic Group Moderately low runoff potential

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel Moderate

Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
Ak	Silty clay loam	20 cm	58 cm	A-4, A-6, A-7-6	CH, CL
Ap	Silty clay loam	0 cm	20 cm	A-6, A-7-6	CH, CL
Bk1	Silty clay loam	58 cm	135 cm	A-4, A-6, A-7-6	CH, CL
Bk2	Silty clay loam	135 cm	203 cm	A-4, A-6, A-7-6	CH, CL, CL-ML, ML

Boerne (4 percent)

Hydrologic Group

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel

Depth to Restrictive Feature

Nuvalde (3 percent)

Hydrologic Group

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel

Depth to Restrictive Feature

Krum (1 percent)

Hydrologic Group

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel

Depth to Restrictive Feature

Orif (1 percent)

Hydrologic Group

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel

Depth to Restrictive Feature

Unnamed, hydric (1 percent)

Hydrologic Group

Soil Drainage Class Somewhat poorly drained

Corrosion Potential - Uncoated Steel

Depth to Restrictive Feature

Gr - Boerne and Oakalla soils, channeled, frequently flooded

Percent Hydric

1

Minimum Depth to Bedrock

Boerne (60 percent)

Hydrologic Group Low runoff potential

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel Low

Depth to Restrictive Feature

Soils

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Loam	0 cm	48 cm	A-4, A-6	CL, CL-ML, SC, SC-SM
H2	Loam	48 cm	124 cm	A-4, A-6	CL, CL-ML, SC, SC-SM
H3	Fine sandy loam	124 cm	152 cm	A-4, A-6	CL, CL-ML, SC, SC-SM

Oakalla, PE <44 (39 percent)

Hydrologic Group	Moderately low runoff potential
Soil Drainage Class	Well drained
Corrosion Potential - Uncoated Steel	Moderate
Depth to Restrictive Feature	

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Silty clay loam	0 cm	66 cm	A-6, A-7-6	CH, CL
H2	Silty clay loam	66 cm	130 cm	A-6, A-7-6	CH, CL
H3	Silty clay loam	130 cm	152 cm	A-4, A-6, A-7-6	CH, CL

Unnamed, hydric (1 percent)

He - Heaton loamy fine sand

Percent Hydric	0
Minimum Depth to Bedrock	

Heaton (100 percent)

Hydrologic Group	Moderately low runoff potential
Soil Drainage Class	Well drained
Corrosion Potential - Uncoated Steel	Low
Depth to Restrictive Feature	

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Loamy fine sand	0 cm	71 cm	A-2-4	SM
H2	Sandy clay loam	71 cm	170 cm	A-4, A-6	CL, SC
H3	Sandy clay loam	170 cm	229 cm	A-4, A-6	CL, SC

HnD - Hensley loam, 3 to 8 percent slopes

Percent Hydric	0
Minimum Depth to Bedrock	46 cm

Hensley (100 percent)

Hydrologic Group	High runoff potential
Soil Drainage Class	Well drained
Corrosion Potential - Uncoated Steel	High
Depth to Restrictive Feature	25 to 51 cm to Lithic bedrock

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Loam	0 cm	10 cm	A-4, A-6	CL, CL-ML
H2	Clay	10 cm	46 cm	A-6, A-7-6	CH, CL
H3	Bedrock	46 cm	53 cm		

HsB - Hensley soils, 1 to 3 percent slopes

Percent Hydric	0
Minimum Depth to Bedrock	46 cm

Hensley (100 percent)

Hydrologic Group	High runoff potential
Soil Drainage Class	Well drained
Corrosion Potential - Uncoated Steel	High
Depth to Restrictive Feature	25 to 51 cm to Lithic bedrock

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Loam	0 cm	10 cm	A-4, A-6	CL, CL-ML
H2	Clay	10 cm	46 cm	A-6, A-7-6	CH, CL
H3	Bedrock	46 cm	53 cm		

Soils

LuB - Luckenbach clay loam, 0 to 3 percent slopes

Percent Hydric 0

Minimum Depth to Bedrock

Luckenbach (92 percent)

Hydrologic Group	Moderately high runoff potential
Soil Drainage Class	Well drained
Corrosion Potential - Uncoated Steel	High
Depth to Restrictive Feature	

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
Ap	Clay loam	0 cm	46 cm	A-6, A-7-6	CH, CL
Bk	Clay loam	97 cm	203 cm	A-4, A-6, A-7-6	CH, CL, SC
Bt	Clay	46 cm	76 cm	A-7-6	CH, SC
Btk	Clay	76 cm	97 cm	A-6, A-7-6	CH, CL, SC

Pedernales (4 percent)

Hydrologic Group	
Soil Drainage Class	Well drained
Corrosion Potential - Uncoated Steel	
Depth to Restrictive Feature	

Hensley (3 percent)

Hydrologic Group	
Soil Drainage Class	Well drained
Corrosion Potential - Uncoated Steel	
Depth to Restrictive Feature	25 to 50 cm to Lithic bedrock

Nuvalde (1 percent)

Hydrologic Group	
Soil Drainage Class	Well drained
Corrosion Potential - Uncoated Steel	
Depth to Restrictive Feature	

LuC - Luckenbach clay loam, 3 to 5 percent slopes

Percent Hydric 0

Minimum Depth to Bedrock

Luckenbach (100 percent)

Hydrologic Group	Moderately high runoff potential
Soil Drainage Class	Well drained
Corrosion Potential - Uncoated Steel	High
Depth to Restrictive Feature	

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Clay loam	0 cm	43 cm	A-6	CL
H2	Clay	43 cm	109 cm	A-7-6	CH, CL
H3	Clay loam	109 cm	203 cm	A-6, A-7	CL

PeB - Pedernales fine sandy loam, 1 to 3 percent slopes

Percent Hydric 0

Minimum Depth to Bedrock

Pedernales (90 percent)

Hydrologic Group	Moderately high runoff potential
Soil Drainage Class	Well drained
Corrosion Potential - Uncoated Steel	Moderate
Depth to Restrictive Feature	

Soils

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
Ap	Fine sandy loam	0 cm	28 cm	A-2-4, A-4, A-6	SC, SC-SM, SM
BCtk	Sandy clay loam	109 cm	203 cm	A-4, A-6, A-7-6	CL, SC, SC-SM
Bt	Sandy clay	28 cm	94 cm	A-7-6	CH, CL, SC
Btk	Sandy clay loam	94 cm	109 cm	A-6, A-7-6	CH, CL, SC

Hye (5 percent)

Hydrologic Group

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel

Depth to Restrictive Feature 50 to 100 cm to Lithic bedrock

Luckenbach (3 percent)

Hydrologic Group

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel

Depth to Restrictive Feature

Hensley (2 percent)

Hydrologic Group

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel

Depth to Restrictive Feature 25 to 50 cm to Lithic bedrock

PeC - Pedernales fine sandy loam, 3 to 5 percent slopes

Percent Hydric 0

Minimum Depth to Bedrock

Pedernales (91 percent)

Hydrologic Group Moderately high runoff potential

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel Moderate

Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
Ap	Fine sandy loam	0 cm	28 cm	A-2-4, A-4, A-6	SC, SC-SM, SM
BCtk	Sandy clay loam	109 cm	203 cm	A-4, A-6, A-7-6	CL, SC, SC-SM
Bt	Sandy clay	28 cm	94 cm	A-7-6	CH, CL, SC
Btk	Sandy clay loam	94 cm	109 cm	A-6, A-7-6	CH, CL, SC

Hensley (3 percent)

Hydrologic Group

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel

Depth to Restrictive Feature 25 to 50 cm to Lithic bedrock

Hye (3 percent)

Hydrologic Group

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel

Depth to Restrictive Feature 50 to 100 cm to Lithic bedrock

Luckenbach (2 percent)

Hydrologic Group

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel

Depth to Restrictive Feature

Soils**Doss (1 percent)****Hydrologic Group****Soil Drainage Class**

Well drained

Corrosion Potential - Uncoated Steel**Depth to Restrictive Feature**

28 to 51 cm to Paralithic bedrock

W - Water**Percent Hydric**

0

Minimum Depth to Bedrock**Water (100 percent)****Hydrologic Group**

High runoff potential

Soil Drainage Class**Corrosion Potential - Uncoated Steel****Depth to Restrictive Feature**

Soils Descriptions

AASHTO Classification Definitions

A-1, A-1-a, A-1-b	Granular materials (35% or less passing No. 200 sieve), some fragments, gravel and sand
A-2, A-2-4, A-2-5, A-2-6, A-2-7	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand
A-3	Granular materials (35% or less passing No. 200 sieve), fine sand
A-4	Silt-Clay materials (more than 35% passing No. 200 sieve), silty soils
A-5	Silt-Clay materials (more than 35% passing No. 200 sieve), silty soils
A-6	Silt-Clay materials (more than 35% passing No. 200 sieve), clayey soils
A-7, A-7-5, A-7-6	Silt-Clay materials (more than 35% passing No. 200 sieve), clayey soils
A-8	Silt-Clay materials (more than 35% passing No. 200 sieve), clayey soils

Unified Classification Definitions

CH	Fine-grained soils, silts and clays (liquid limit is 50% or more), Fat Clay
CL, CL-A (proposed), CL-K (proposed), CL-ML, CL-O (proposed), CL-T (proposed)	Fine-grained soils, silts and clays (liquid limit is less than 50%), Lean Clay
GC, GC-GM	Coarse-grained soils, Gravels, gravel with fines, Clayey Gravel
GM	Coarse-grained soils, Gravels, gravel with fines, Silty Gravel
GP, GP-GC, GP-GM	Coarse-grained soils, Gravels, clean gravels, Poorly Graded Gravel
GW, GW-GC, GW-GM	Coarse-grained soils, Gravels, clean gravels, Well-Graded Gravel
MH, MH-A, MH-K, MH-O, MH-T	Fine-grained soils, silts and clays (liquid limit is 50% or more), Elastic Silt
ML, ML-A (proposed), ML-K (proposed), ML-O (proposed), ML-T (proposed)	Fine-grained soils, silts and clays (liquid limit is less than 50%), Silt
OH, OH-T (proposed)	Fine-grained soils, silts and clays (liquid limit is 50% or more), Organic Clay or Organic Silt
OL	Fine-grained soils, silts and clays (liquid limit is less than 50%), Organic Clay or Organic Silt
PT	Highly organic soils, Peat
SC, SC-SM	Coarse-grained soils, Sands, sands with fines, Clayey Sand
SM	Coarse-grained soils, Sands, sands with fines, Silty Sand
SP, SP-SC, SP-SM	Coarse-grained soils, Sands, clean sands, Poorly Graded Sand
SW, SW-SC, SW-SM	Coarse-grained soils, Sands, clean sands, Well-Graded Sand

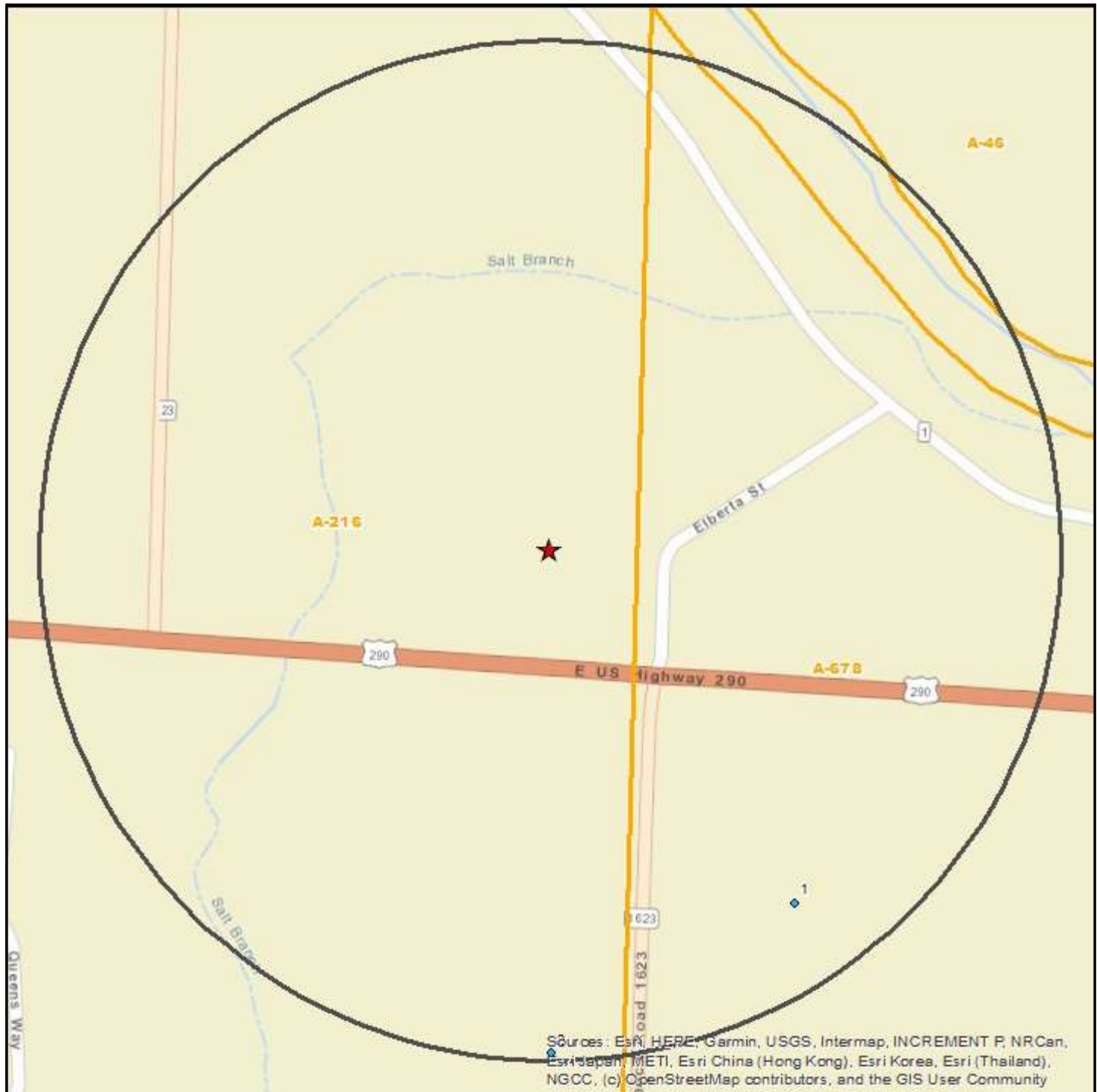
Source

Natural Resources Conservation Service, Soil Survey Geographic (SSURGO) Database.

Disclaimer

This Soils Survey from Banks Environmental Data, Inc. has searched Natural Resources Conservation Service (NRCS) and the Soil Survey Geographic Database (SSURGO). All soil data presented on the map and in the details section are based on information obtained from NRCS. Although Banks performs quality assurance and quality control on all data, inaccuracies of the data and mapped locations could possibly be traced to the source. Banks Environmental Data, Inc. cannot fully guarantee the accuracy of the SSURGO database maintained by NRCS.

Water & Oil/Gas Wells Map - 0.25 Mile Radius



Burg Property

- Single Water Well
- Water Well Cluster
- Single Oil/Gas/Other Well
- Oil/Gas/Other Well Cluster
- Water/Oil/Gas/Other Well Cluster

 Target Property

 Search Buffer

 Texas Land Survey

0' 250' 500'

1 : 4,500

1 inch = 0.071 miles

1 inch = 375 feet

1 centimeter = 0.045 kilometers

1 centimeter = 45 meters

Lambert Conformal Conic Projection
 1983 North American Datum
 First Standard Parallel: 33° 0' 00" North
 Second Standard Parallel: 45° 0' 00" North
 Central Meridian: 96° 0' 00" West
 Latitude of Origin: 39° 0' 00" North

Water & Oil/Gas Wells

Map ID	Well ID	Owner	Well Type	Elevation
1	136022	Kris Weidenfeller	Water: Domestic	1457 ft (-1)
2	5751314	Gordon D. Klein	Water: Domestic	1468 ft (+10)

Source

U.S. Geological Survey, Texas Water Development Board (GW and Submitted Driller's Report), Texas Commission of Environmental Quality (PWS), Railroad Commission of Texas (Production Data)

Disclaimer

This well scan from Banks Environmental Data, Inc. has included a digital search of state and federal wells currently digitized in our geospatial database. Since this scan includes only well data that is currently mapped in our geospatial database, more wells could exist within the search area. For a complete well search or to locate more details, please contact Banks to obtain a full Water Well Report or Oil & Gas Well/Pipeline Search Report. More detailed individual well records can also be obtained from Banks for an additional cost, please reference a Well ID # from this well scan.

All well locations are based on information obtained from state and federal sources. Although Banks performs quality assurance and quality control on all data, inaccuracies of the records and mapped locations could possibly be traced to the specific regulatory authority or individual well driller. Banks Environmental Data, Inc. cannot fully guarantee the accuracy of the data or well location(s) of the maps and records maintained by the state and federal agencies.

Mapped Sites Summary

Database	Distance from Target Property	Map ID	Facility Site Name	Facility Site Address	Site Details Page #
----------	-------------------------------------	--------	--------------------	-----------------------	---------------------------

*Sites are sorted by database tier, database, and distance from the target site.

PST	0.22 miles W	1	GARCIA'S STONEWALL CAFE	14887 E US HIGHWAY 290, STONEWALL, TX 78671	22
-----	--------------	---	-------------------------	---	--------------------

End of Mapped Sites Summary Section

Unmapped Sites Summary



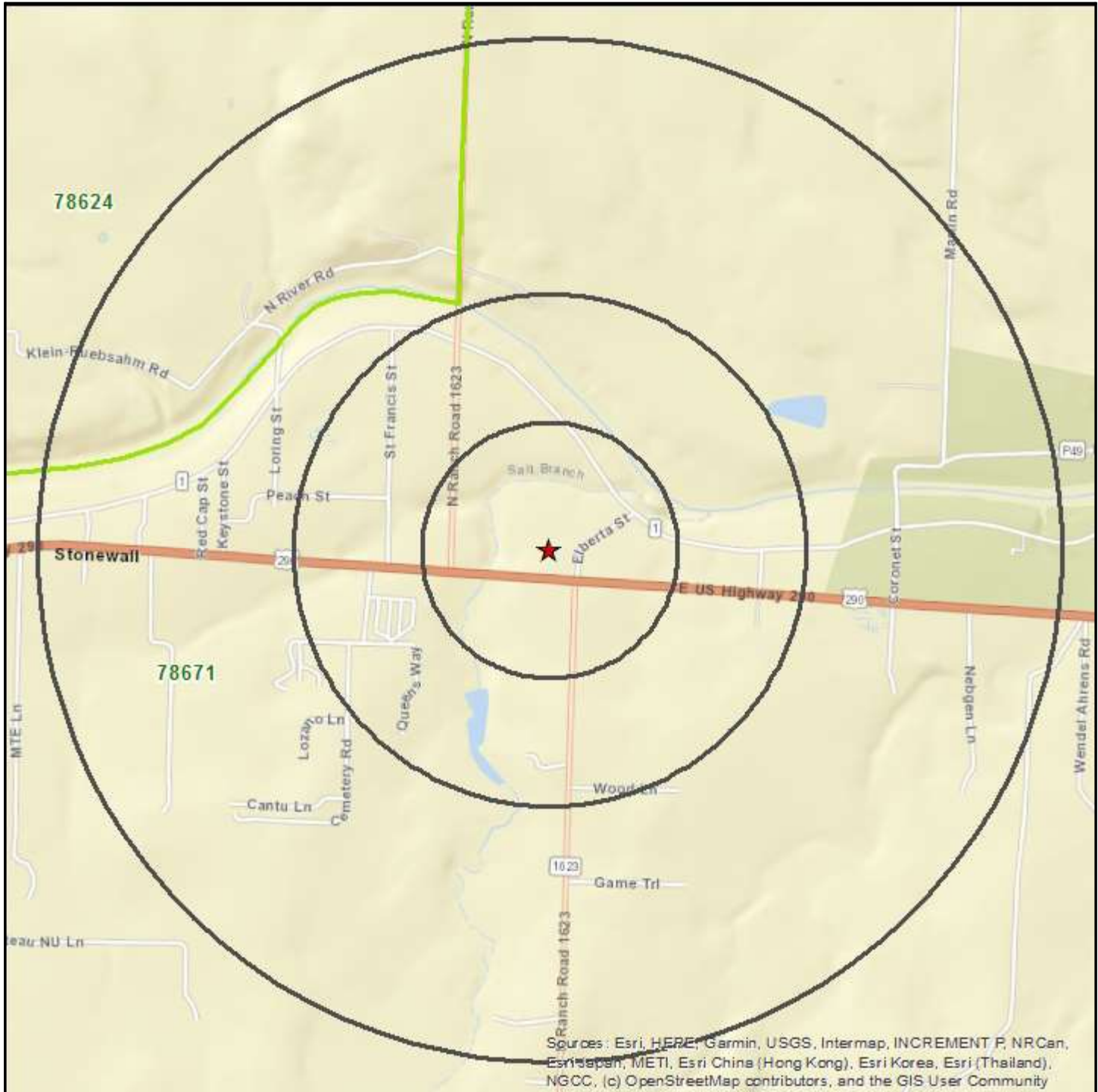
Database	Facility Site Name	Facility Site Address	Site Details Page #
----------	--------------------	-----------------------	---------------------

*Sites are sorted by database tier and database.

LPST	ELGIN DURST HOMESTEAD	HC 61, FREDERICKSBURG, TX 78624	23
LPST	ALLIED AGRICULTURAL SERVICES	RT 1, STONEWALL, TX 78671	24
LPST	ECKERT SONS GARAGE	W HWY 290, STONEWALL, TX 78671	25
LPST	COACHES	HWY 290, STONEWALL, TX 78671	26
PST	CTRL TX ELECTRIC COOPERATIVE	FREDERICKSBURG, TX , FREDERICKSBURG , TX 78624	27
PST	STANDARD SERVICE	GILLESPIE, FREDERICKSBURG, TX 78624	28
PST	ALTON R IMMEL	RT 1 A, FREDERICKSBURG, TX 78624	29
PST	FRITZ & SON CONSTRUCTION	RT 2, FREDERICKSBURG, TX 78624	30
PST	ALLIED AGRICULTURAL SER	GILLESPIE, STONEWALL, TX 78671	31
PST	ECKERT & SON	US HWY 290, STONEWALL, TX 78671	32
PST	COACHES	US 290, STONEWALL, TX 78671	33
PST	MURPHY EXPRESS	US HWY 290, FREDERICKSBURG, TX 78624	34
RCRA	JEEP COLLINS JEWELRY MAKER INC	HC 12 BOX 120, FREDERICKSBURG, TX 78624	35

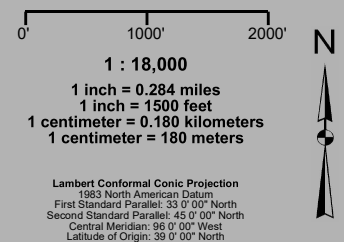
End of Unmapped Sites Summary Section

Zip Code Map - 1 Mile Radius



Burg Property

-  Target Property
-  Search Buffer
-  Zip Code Boundary



MapID 1: PST - 14887 E US HIGHWAY 290**PST - State/Tribal Storage Tank**

Map ID #1		PST - State/Tribal Storage Tank		Source: TCEQ	
Facility #: 2094		TCEQ Customer ID: 40435		Banks ID: 2094	
GARCIAS STONEWALL CAFE				Rel. Loc.: 0.22 miles W	
14887 E US HIGHWAY 290, STONEWALL, TX 78671				Elevation: 1449.69 feet (-8.36)	
Facility Contact Name:		ALFREDO BERROSPE			
Facility Contact Phone:		8306442749			
Facility Status:		ACTIVE			
Facility Type:		RETAIL			
Number of ASTs:		0			
Number of USTs:		4			
Tank #:		#1		#2	
Status:		IN USE		IN USE	
Status Date:		1/1/1984		1/1/1984	
Capacity:		8000		4000	
Install Date:		1/1/1984		1/1/1984	
Above or Below Ground Tank:		below		below	
Unit ID:		5177		5179	
Construction Material:		Steel		Steel	
Piping Type:		Pressurized		Pressurized	
Piping Material:		FRP - fiberglass reinforced plastic		FRP - fiberglass reinforced plastic	
Tank Contents:		GASOLINE		DIESEL	
Corrosion Protection:		Cathodic Protection - Field Installation		Cathodic Protection - Field Installation	
Piping Corrosion Protection:		Cathodic Protection - Field Installation, FRP tank or piping - noncorrodible		Cathodic Protection - Field Installation, FRP tank or piping - noncorrodible	
Tank #:		#4			
Status:		IN USE			
Status Date:		1/1/1984			
Capacity:		4000			
Install Date:		1/1/1984			
Above or Below Ground Tank:		below			
Unit ID:		5180			
Construction Material:		Steel			
Piping Type:		Pressurized			
Piping Material:		FRP - fiberglass reinforced plastic			
Tank Contents:		GASOLINE			
Corrosion Protection:		Cathodic Protection - Field Installation			
Piping Corrosion Protection:		Cathodic Protection - Field Installation, FRP tank or piping - noncorrodible			

End of PST Sites Section

Unmapped Sites Details: LPST (97574)**LPST - State/Tribal Leaking Storage Tank****LPST - State/Tribal Leaking Storage Tank****Source: TCEQ****LPST ID: 97574****Facility ID: 0037292****Banks ID: 97574**

ELGIN DURST HOMESTEAD

HC 61, FREDERICKSBURG, TX 78624

Additional Location Information:	REGION 13 - SAN ANTONIO
Status:	6A - FINAL CONCURRENCE ISSUED
Leak Discovery Date:	12/11/1990
Damage Description:	4A - SOIL CONTAMINATION ONLY REQUIRES FULL SITE ASSESSMENT RAP
Leak Closure Date:	1/28/1991
State Contact Name:	HWELCH

Unmapped Sites Details: LPST (100148)**LPST - State/Tribal Leaking Storage Tank****Source: TCEQ****LPST ID: 100148****Facility ID: 0009573****Banks ID: 100148**

ALLIED AGRICULTURAL SERVICES

RT 1, STONEWALL, TX 78671

Additional Location Information: REGION 13 - SAN ANTONIO**Status:** 6A - FINAL CONCURRENCE ISSUED**Leak Discovery Date:** 8/29/1991**Damage Description:** 6 - MINOR SOIL CONTAMINATION - NO REMEDIAL ACTION REQUIRED**Leak Closure Date:** 7/13/1995**State Contact Name:** HWELCH

Unmapped Sites Details: LPST (104874)**LPST - State/Tribal Leaking Storage Tank****Source: TCEQ****LPST ID: 104874****Facility ID: 0009785****Banks ID: 104874**

ECKERT SONS GARAGE

W HWY 290, STONEWALL, TX 78671

Additional Location Information: REGION 13 - SAN ANTONIO**Status:** 6A - FINAL CONCURRENCE ISSUED**Leak Discovery Date:** 9/18/1992**Damage Description:** 2.5 - GW IMPACT PUBLIC/DOMESTIC WATER SUPPLY WELL W/IN 0.25mi**Leak Closure Date:** 8/8/2006**State Contact Name:** KMARTIN

Unmapped Sites Details: LPST (110176)**LPST - State/Tribal Leaking Storage Tank****Source: TCEQ****LPST ID: 110176****Facility ID: 0065237****Banks ID: 110176**

COACHES

HWY 290, STONEWALL, TX 78671

Additional Location Information: REGION 13 - SAN ANTONIO**Status:** 6A - FINAL CONCURRENCE ISSUED**Leak Discovery Date:** 11/13/1995**Damage Description:** 4.1 - GW IMPACTED NO APPARENT THREATS OR IMPACTS TO RECEPTORS**Leak Closure Date:** 4/9/1998**State Contact Name:** DLB**End of LPST Sites Section**

Unmapped Sites Details: PST (777)



PST - State/Tribal Storage Tank

PST - State/Tribal Storage Tank

Source: TCEQ

Facility #: 777

TCEQ Customer ID: 38494

Banks ID: 777

CTRL TX ELECTRIC COOPERATIVE

FREDERICKSBURG, TX , FREDERICKSBURG , TX 78624

Facility Contact Name:	WERNER MOEHR		
Facility Contact Phone:	5129972126		
Facility Status:	INACTIVE		
Facility Type:	UNKNOWN		
Number of ASTs:	0		
Number of USTs:	0		
Tank #:	#1	#1REMOVED	#2
Status:	REMOVED FROM GROUND	REMOVED FROM GROUND	REMOVED FROM GROUND
Status Date:	12/14/1988	5/9/1988	12/14/1988
Capacity:	5000	1000	2000
Install Date:	1/1/1976	1/1/1975	1/1/1982
Above or Below Ground Tank:	below	below	below
Unit ID:	1929	1930	1931
Construction Material:	Steel	Steel	Steel
Piping Type:			
Piping Material:	Steel	Steel	Steel
Tank Contents:	GASOLINE	GASOLINE	DIESEL
Corrosion Protection:			
Piping Corrosion Protection:			

Unmapped Sites Details: PST (9513)

PST - State/Tribal Storage Tank

Source: TCEQ

Facility #: 9513

TCEQ Customer ID: 49089

Banks ID: 9513

STANDARD SERVICE

GILLESPIE, FREDERICKSBURG, TX 78624

Facility Contact Name:	ROY STROEHER		
Facility Contact Phone:	5129974382		
Facility Status:	INACTIVE		
Facility Type:	UNKNOWN		
Number of ASTs:	0		
Number of USTs:	0		
Tank #:	#1	#2	#3
Status:	REMOVED FROM GROUND	REMOVED FROM GROUND	REMOVED FROM GROUND
Status Date:	2/28/1990	2/28/1990	2/28/1990
Capacity:			
Install Date:	1/1/1976	1/1/1976	1/1/1976
Above or Below Ground Tank:	below	below	below
Unit ID:	25197	25196	25195
Construction Material:	Steel	Steel	Steel
Piping Type:			
Piping Material:	Steel	Steel	Steel
Tank Contents:	GASOLINE	GASOLINE	DIESEL
Corrosion Protection:			
Piping Corrosion Protection:			

Unmapped Sites Details: PST (52749)



PST - State/Tribal Storage Tank

Source: TCEQ

Facility #: 52749

TCEQ Customer ID: 82812

Banks ID: 52749

ALTON R IMMEL

RT 1 A, FREDERICKSBURG, TX 78624

Facility Contact Name:		ALTON R IMMEL	
Facility Contact Phone:		5129972129	
Facility Status:		ACTIVE	
Facility Type:		FLEET REFUELING	
Number of ASTs:		4	
Number of USTs:		0	
Tank #:	#A	#B	#C
Status:			
Status Date:	1/1/1987	1/1/1987	1/1/1987
Capacity:	10000.0	4000.0	10000.0
Install Date:	1/1/1987	1/1/1987	1/1/1987
Above or Below Ground Tank:	above	above	above
Unit ID:	159786	159787	159789
Construction Material:	Steel	Steel	Steel
Piping Type:			
Piping Material:			
Tank Contents:	DIESEL	DIESEL	DIESEL
Corrosion Protection:			
Piping Corrosion Protection:			
Tank #:	#D		
Status:			
Status Date:	1/1/1987		
Capacity:	6000.0		
Install Date:	1/1/1987		
Above or Below Ground Tank:	above		
Unit ID:	159788		
Construction Material:	Steel		
Piping Type:			
Piping Material:			
Tank Contents:	GASOLINE		
Corrosion Protection:			
Piping Corrosion Protection:			

Unmapped Sites Details: PST (65156)

PST - State/Tribal Storage Tank
Source: TCEQ
Facility #: 65156
TCEQ Customer ID: 49101
Banks ID: 65156

FRITZ & SON CONSTRUCTION

RT 2, FREDERICKSBURG, TX 78624

Facility Contact Name: ROY STROEHER

Facility Contact Phone: 2109974382

Facility Status: ACTIVE

Facility Type: UNKNOWN

Number of ASTs: 1

Number of USTs: 0

Tank #: #1

Status:
Status Date: 1/1/1993

Capacity: 8000.0

Install Date: 1/1/1993

Above or Below Ground Tank: above

Unit ID: 167125

Construction Material: Steel

Piping Type:
Piping Material:
Tank Contents: GASOLINE

Corrosion Protection:
Piping Corrosion Protection:

Unmapped Sites Details: PST (9573)

PST - State/Tribal Storage Tank

Source: TCEQ

Facility #: 9573

TCEQ Customer ID: 49157

Banks ID: 9573

 ALLIED AGRICULTURAL SER
 GILLESPIE, STONEWALL, TX 78671

Facility Contact Name:

Facility Contact Phone: 5126442411

Facility Status: INACTIVE

Facility Type: UNKNOWN

Number of ASTs: 0

Number of USTs: 0

Tank #: #1

Status: REMOVED FROM GROUND

Status Date: 8/28/1991

Capacity: 3000

Install Date: 1/1/1971

Above or Below Ground Tank: below

Unit ID: 25366

Construction Material: Steel

Piping Type:

Piping Material: Steel

Tank Contents: GASOLINE

Corrosion Protection:

Piping Corrosion Protection:

Unmapped Sites Details: PST (9785)

PST - State/Tribal Storage Tank

Source: TCEQ

Facility #: 9785

TCEQ Customer ID: 49345

Banks ID: 9785

ECKERT & SON

US HWY 290, STONEWALL, TX 78671

Facility Contact Name:	RODNEY ECKERT		
Facility Contact Phone:	2106445574		
Facility Status:	INACTIVE		
Facility Type:	RETAIL		
Number of ASTs:	0		
Number of USTs:	0		
Tank #:	#1	#2	#3
Status:	REMOVED FROM GROUND	REMOVED FROM GROUND	REMOVED FROM GROUND
Status Date:	10/16/1993	10/16/1993	10/16/1993
Capacity:	4000	4000	4000
Install Date:	1/1/1982	1/1/1982	1/1/1982
Above or Below Ground Tank:	below	below	below
Unit ID:	25921	25920	25919
Construction Material:	Steel	Steel	Steel
Piping Type:			
Piping Material:	FRP - fiberglass reinforced plastic	FRP - fiberglass reinforced plastic	FRP - fiberglass reinforced plastic
Tank Contents:	GASOLINE	GASOLINE	DIESEL
Corrosion Protection:			
Piping Corrosion Protection:			
Tank #:	#4		
Status:	PERM FILLED IN PLACE		
Status Date:	8/31/1987		
Capacity:			
Install Date:	8/31/1987		
Above or Below Ground Tank:	below		
Unit ID:	25922		
Construction Material:			
Piping Type:			
Piping Material:			
Tank Contents:	EMPTY		
Corrosion Protection:			
Piping Corrosion Protection:			

Unmapped Sites Details: PST (65237)

PST - State/Tribal Storage Tank

Source: TCEQ

Facility #: 65237

TCEQ Customer ID: 96996

Banks ID: 65237

COACHES

US 290, STONEWALL, TX 78671

Facility Contact Name: MIKE EDWARD

Facility Contact Phone: 2106442215

Facility Status: INACTIVE

Facility Type: RETAIL

Number of ASTs: 0

Number of USTs: 0

Tank #:	#1	#2
Status:	REMOVED FROM GROUND	REMOVED FROM GROUND
Status Date:	11/9/1995	11/9/1995
Capacity:	1000	1000
Install Date:	1/1/1953	1/1/1953
Above or Below Ground Tank:	below	below
Unit ID:	149336	149337
Construction Material:	Steel	Steel
Piping Type:		
Piping Material:	Steel	Steel
Tank Contents:	EMPTY	EMPTY
Corrosion Protection:		
Piping Corrosion Protection:		

Unmapped Sites Details: PST (83229)**PST - State/Tribal Storage Tank****Source: TCEQ****Facility #: 83229****TCEQ Customer ID: 127476****Banks ID: 83229**

MURPHY EXPRESS

US HWY 290, FREDERICKSBURG, TX 78624

Facility Contact Name:**Facility Contact Phone:****Facility Status:** PENDING**Facility Type:****Number of ASTs:** 0**Number of USTs:** 0**End of PST Sites Section**

Unmapped Sites Details: RCRA (TXD988060349)



RCRA - RCRA

RCRA - RCRA		Source: EPA
EPA Handler ID: TXD988060349	Handler Sequence Number: 2	Banks ID: TXD988060349
JEEP COLLINS JEWELRY MAKER INC		
HC 12 BOX 120, FREDERICKSBURG, TX 78624		
Status:	Inactive	
Owner Name:		
Operator Name:		
Mailing Address Street #:		
Mailing Address Street:	PO BOX 12C	
Mailing Address Street:		
Mailing Address City:	FREDERICKSBURG	
Mailing Address State:	TX	
Mailing Address Zip:	78624	
Contact Name:	BRAD FINDLEY	
Contact Address Street #:		
Contact Address Street:	PO BOX 12C	
Contact Address Street:		
Contact Address City:	FREDERICKSBURG	
Contact Address State:	TX	
Contact Address Zip:	78624	
Contact Phone:	512-997-3135	
Contact Email Address:		
Government Performance and Results Act (GPRA) Permit:	The facility does not exist on the Operating/Post-Closure Permit Baseline.	
Government Performance and Results Act (GPRA) Corrective Action:	No	
Permit Workload:	-----	
Closure Workload:	-----	
Post-Closure Workload:	-----	
Subject to Corrective Action:	No	
Subject to Corrective Action 3004:	No	
Subject to Corrective Action Non-TSDF:	No	
Corrective Action Workload:	No	
Generator Status:	Not a Generator	
Nuclear Mixed Waste Handler:	No	
Onsite Burner Exemption:	No	
Furnace Exemption:	No	
Underground Injection Activity:	No	
NAIC Description 1:	JEWELRY (EXCEPT COSTUME) MANUFACTURING	
Federal Generator Class:	Not a Generator, Verified	
State Generator Class:		
Environmental Controls in Place:	No	
Institutional Controls in Place:	No	
Groundwater Controls in Place:	No	
Significant Non-Compliance:	No	
Unaddressed Significant Non-Complier:	No	
Addressed Significant Non-Complier:	No	
Significant Non-Complier with Compliance Schedule:	No	
Short Term Generator:	No	
Mixed Waste Generator:	No	
Transfer Facility:	No	
Importer Activity:	No	
Transporter Activity:	No	
Recycler Activity:	No	
Receives waste from Offsite:	No	
Universal Waste:	No	
Enforcement Description	Responsible Enforcement Agency	Enforcement Date

Unmapped Sites Details: RCRA (TXD988060349)

Continued from Previous Page

INITIAL 3008(A) COMPLIANCE			EPA Personnel	6/17/1993
FINAL 3008(A) COMPLIANCE ORDER			EPA Personnel	4/19/1994
Evaluation Description		Responsible Agency	Evaluation Date	Violation Found
NON-FINANCIAL RECORD REVIEW		EPA Personnel	3/23/1993	Yes
Violation Description	Violation Determined By	Violation Date	Actual Resolution Date	Scheduled Resolution Date
Standards Applicable to Generators of HW: Manifest Requirements Applicable to Small and Large Quantity Generators	EPA Personnel	3/29/1993	5/18/1994	
Standards Applicable to Generators of HW: General	EPA Personnel	3/29/1993	5/18/1994	
Hazardous Waste Description				
CHROMIUM				
CORROSIVE WASTE				
SILVER				

End of RCRA Sites Section

Dataset Descriptions and Sources



Dataset	Source	Dataset Description	Update Schedule	Data Requested	Data Obtained	Data Updated	Source Updated
NPL -- National Priority List	EPA	NPL is the list of high priority hazardous waste sites in the United States eligible for long-term remedial action financed under the federal Superfund program or SEMS database (formerly known as the CERCLIS database). The EPA will only add sites to the NPL list based upon completion of the Hazard Ranking System (HRS) screening, public solicitation of comments about the proposed site, and after all comments have been addressed.	Quarterly	04/14/2021	04/14/2021	04/14/2021	03/23/2021
DNPL -- Delisted National Priority List	EPA	DNPL is a list of all sites that have been deleted from the EPA NPL list (SEMS database). These sites are taken off the NPL list usually due to no further response or remedial action being required on them. Notices to delete NPL sites are published in the Federal Register and become effective unless the EPA receives significant adverse or critical comments during the 30-day public comment period.	Quarterly	04/14/2021	04/14/2021	04/14/2021	03/23/2021
CER SEMS -- SEMS	EPA	The EPA maintains the SEMS database to track sites under the Comprehensive Environmental Response, Compensation, and Liability Act, a federal law designed to clean up abandoned hazardous waste sites. These sites are either proposed, listed or under review currently to be a part of the National Priority List.	Quarterly	04/14/2021	04/14/2021	04/14/2021	03/23/2021
CER SEMS NFRAP -- SEMS NFRAP	EPA	From the Superfund Enterprise Management System (SEMS) database No Further Remedial Action Planned or NFRAP have been removed from the listing. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the site being placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.	Quarterly	04/14/2021	04/14/2021	04/14/2021	03/23/2021
RCRA COR -- RCRA CORRACTS	EPA	These sites are registered hazardous waste generators or handlers that fall under the Resource Conservation and Recovery Act (RCRA) and subject to corrective action activity.	Quarterly	04/14/2021	04/14/2021	04/16/2021	04/05/2021
RCRA TSD -- RCRA non-CORRACTS TSD	EPA	This database lists all treatment, storage and disposal of hazardous material sites that fall under the Resource Conservation and Recovery Act (RCRA). All hazardous waste TSD facilities are required to notify EPA of their existence.	Quarterly	04/14/2021	04/14/2021	04/16/2021	04/05/2021
RCRA GEN -- RCRA Generators	EPA	The EPA regulates all Hazardous Waste Generators subject to the Resource Conservation and Recovery Act (RCRA). They are classified by the quantity of hazardous waste generated. A Small Quantity Generator (SQG) generates between 100kg and 1,000 kg of waste per month. A Large Quantity Generator (LQG) generates over 1,000 kg of waste per month. A Conditionally Exempt SQG (CEG) generates less than 100 kg of waste per month.	Quarterly	04/14/2021	04/14/2021	04/16/2021	04/05/2021
FED BWN -- Federal Brownfields	EPA	A listing of sites that assist the EPA in collecting, tracking, and updating information of sites in relation to the Small Business Liability Relief and Brownfields Revitalization Act. These sites are real property that is either abandoned or underutilized where redevelopment or expansion is complicated by real or perceived environmental contamination.	Quarterly	04/14/2021	04/14/2021	04/14/2021	04/14/2021
FED IC -- Federal Institutional Control	EPA	This is a listing of Brownfield Management System (BMS) sites that have had Institutional Controls (ICs) placed on them. ICs are administrative restrictions, such as legal controls, that help minimize the potential for human exposure to known contamination by ensuring appropriate land or resource use. ICs are meant to supplement Engineering Controls and will rarely be the sole remedy at a site. ICs are a type of Activity and Use Limitation (AUL).	Quarterly	04/14/2021	04/14/2021	04/14/2021	04/14/2021
FED EC -- Federal Engineering Control	EPA	This is a listing of Brownfield Management System (BMS) sites that have had Engineering Controls (ECs) placed on them. ECs are physical methods or modifications put into place on a site to reduce or eliminate the possibility of human exposure to known contamination. ECs are a type of Activity and Use Limitation (AUL).	Quarterly	04/14/2021	04/14/2021	04/14/2021	04/14/2021

Dataset Descriptions and Sources

Dataset	Source	Dataset Description	Update Schedule	Data Requested	Data Obtained	Data Updated	Source Updated
ERNS -- ERNS List	EPA/National Response Center	ERNS is a national database used to store information on unauthorized releases of oil and hazardous substances that have been reported to the National Response Center since 2001. The NRC is the sole federal point of contact for reporting oil and chemical spills. Prior to 2001 this information was maintained by the EPA.	Annually	02/19/2021	02/19/2021	02/19/2021	01/01/2021
ST NPL -- State/Tribal Equivalent NPL (TX)	TCEQ	This database contains sites determined by the TCEQ that may constitute an imminent and substantial endangerment to public health and safety or to the environment due to a release or threatened release of hazardous substances into the environment.	Quarterly	04/13/2021	04/13/2021	04/13/2021	04/13/2021
ST CER -- State/Tribal Equivalent CERCLIS (TX)	NA	This database is not currently available from this state. If this state does make this database available in the future, Banks Environmental Data will obtain it for reporting purposes.	N/A	N/A	N/A	N/A	N/A
SWLF -- State/Tribal Disposal or Landfill (TX)	TCEQ	The SWLF database contains records of municipal solid waste facilities that may accept various types of municipal solid waste for processing or disposal, depending on the type of facility. A Municipal Solid Waste facility may also accept certain special wastes and non-hazardous industrial solid wastes if approved by the TCEQ executive director.	Quarterly	03/15/2021	03/15/2021	03/15/2021	03/12/2021
SWLF -- State/Tribal Disposal or Landfill (TX)	TCEQ	This database is a listing of closed and abandoned municipal solid waste landfills. The sites included are either unauthorized (UNUM_) or permitted (PERMAPP_).	N/A	N/A	N/A	N/A	N/A
LPST -- State/Tribal Leaking Storage Tank (TX)	TCEQ	This database contains information on leaking storage tanks, equipment failures, compliance, and releases in the state.	Quarterly	03/17/2021	03/17/2021	03/22/2021	03/04/2021
LPST -- State/Tribal Leaking Storage Tank (TX)	EPA	The Tribal LUST database (maintained by EPA Region 6) provides information on leaking underground storage tank on tribal lands in Louisiana, Arkansas, Oklahoma, New Mexico and Tribal Nations.	Quarterly	03/17/2021	03/17/2021	03/17/2021	12/01/2020
PST -- State/Tribal Storage Tank (TX)	TCEQ	This database contains information on above and underground storage tanks, compliance, and releases in the state.	Quarterly	03/08/2021	03/08/2021	03/08/2021	02/12/2021
PST -- State/Tribal Storage Tank (TX)	EPA	The Tribal UST database (maintained by EPA Region 6) provides underground storage tank information on tribal lands in Louisiana, Arkansas, Oklahoma, New Mexico and Tribal Nations.	Quarterly	03/17/2021	03/17/2021	03/17/2021	12/01/2020
ST IC -- State/Tribal Institutional Control (TX)	TCEQ	This database includes Voluntary Cleanup Program (VCP) or Innocent Operator Program (IOP) sites that have been remediated and have had Institutional Controls (ICs) placed on them. ICs are administrative restrictions, such as legal controls, that help minimize the potential for human exposure to known contamination by ensuring appropriate land or resource use.	Quarterly	05/11/2021	02/24/2021	02/24/2021	02/24/2021
ST IC -- State/Tribal Institutional Control (TX)	RRC	The Railroad Commission of Texas Voluntary Cleanup Program provides an incentive to remediate Oil & Gas related pollution by participants as long as they did not cause or contribute to the contamination.	Quarterly	05/11/2021	02/24/2021	02/24/2021	02/24/2021
ST EC -- State/Tribal Engineering Control (TX)	TCEQ	This database includes Voluntary Cleanup Program (VCP) or Innocent Operator Program (IOP) sites that have been remediated and have had Engineering Controls (ECs) placed on them. ECs are physical methods or modifications put into place on a site to reduce or eliminate the possibility of human exposure to known contamination.	Quarterly	05/11/2021	02/24/2021	02/24/2021	02/24/2021
VCP -- State/Tribal Voluntary Cleanup (TX)	TCEQ	This database contains sites from the Innocent Operator Program (IOP). The IOP records are sites that have received certificates from the State acknowledging that 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.	Quarterly	05/11/2021	02/24/2021	02/24/2021	02/24/2021

Dataset Descriptions and Sources

Dataset	Source	Dataset Description	Update Schedule	Data Requested	Data Obtained	Data Updated	Source Updated
VCP -- State/Tribal Voluntary Cleanup (TX)	TCEQ	This database contains sites from the Voluntary Cleanup Program (VCP). The VCP records contain information on contaminated sites that private parties have cleaned up through assistance from the State in the form of administrative, technical, and legal incentives.	Quarterly	05/11/2021	02/24/2021	02/24/2021	02/10/2021
VCP -- State/Tribal Voluntary Cleanup (TX)	RRC	The Railroad Commission of Texas Voluntary Cleanup Program provides an incentive to remediate Oil & Gas related pollution by participants as long as they did not cause or contribute to the contamination.	Quarterly	05/11/2021	02/24/2021	02/24/2021	02/24/2021
ST BWN -- State/Tribal Brownfield (TX)	TCEQ	Brownfield sites are former industrial properties that lie dormant or underutilized due to liability associated with real or perceived contamination. In Texas, the TCEQ, in close partnership with the EPA and other federal, state, and local redevelopment agencies, and stakeholders, is facilitating cleanup, transferability, and revitalization of Brownfield's through the development of regulatory, tax, and technical assistance tools.	Quarterly	03/15/2021	03/15/2021	03/15/2021	03/01/2021
ST BWN -- State/Tribal Brownfield (TX)	RRC	The Railroad Commission of Texas' 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.	Quarterly	05/11/2021	02/24/2021	02/24/2021	02/24/2021
HW -- State/Tribal Hazardous Waste (TX)	TCEQ	The mission of the TCEQ's industrial and hazardous waste (IHW) corrective action program is to oversee the cleanup of sites contaminated from industrial and municipal hazardous and industrial nonhazardous wastes.	Quarterly	03/08/2021	03/15/2021	03/22/2021	03/10/2021
HW -- State/Tribal Hazardous Waste (TX)	TCEQ	This database contains information on facilities which store, process, or dispose of hazardous waste as maintained by the Industrial and Hazardous Waste Permits section of the TCEQ.	Quarterly	05/11/2021	05/11/2021	05/12/2021	04/19/2021
RCRA -- RCRA	EPA	This database lists all sites that fall under the Resource Conservation and Recovery Act (RCRA) and are not classifiable as treatment, storage, disposers of hazardous material, hazardous waste generator or subject to corrective action activity.	Quarterly	04/14/2021	04/14/2021	04/16/2021	04/05/2021
DRYC -- Dry Cleaners (TX)	TCEQ	Dry Cleaner data houses both the DCRP Program information and PERC information released by the TCEQ. The DCRP database contains records funded for state-lead clean up of dry cleaner related contaminated sites. The DCRP administers the Dry Cleaning Facility Release Fund to assist with remediation of contamination caused by dry cleaning solvents. There are two listings from this program: LIST#1 - A historic listing of any facility that registered with the DCRP indicating whether or not the facility has used Perchloroethylene (PERC) in the past. LIST#2 - A Prioritization list of dry cleaner sites Facilities on this list will be investigated in order to determine the existence and or extent of possible contamination. Facilities which are not current on their DCRP payments get dropped from the program. Banks Environmental Data DOES NOT REMOVE these listings from our database so that we may present a more complete historical listing of facilities that may or may not have used PERC in the past.	Quarterly	04/30/2021	05/03/2021	05/04/2021	03/24/2021
MS -- State/Tribal Municipal Settings Designation (TX)	TCEQ	TCEQ defines a Municipal Settings Designation (MSD) as an official state designation given to a 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.	Quarterly	03/30/2021	04/07/2021	04/07/2021	03/31/2021

Disclaimer

The Banks Environmental Data Regulatory Database Report was prepared based upon data obtained from State, Tribal, and Federal sources known to Banks Environmental Data at the time the data was obtained. Great care has been taken by Banks in obtaining the best available data from the best available sources. However, there is a possibility that there are sources of data applicable or pertaining to this report's target property, and/or surrounding properties, to which Banks does not have access or has not accessed. Furthermore, although Banks Environmental Data performs quality assurance and quality control on all data, including data it obtains, Banks recognizes that inaccuracies in data from these sources may, and do, exist; accordingly, inaccurate data may have been used or relied upon in the preparation of this report. Even though Banks Environmental Data performs a thorough and diligent search to locate and fix any inaccuracies in the data relied upon in the preparation of this report, Banks cannot guarantee or warrant the accuracy of the locations, information, data, or report. The purchaser of this report accepts this report "as is" and assumes all risk related to any potential inaccuracy contained in the report or not reported in it, whether due to a reliance by Banks Environmental Data on inaccurate data, or for any other reason [including but not limited to the negligence or express negligence of Banks Environmental Data]. If this report is being used for the Records Review section of a Phase I Site Assessment according to the ASTM 1527-13, for EPA's All Appropriate Inquiry, or for any other purpose (public or private), all liability and responsibility is assumed by the Environmental Professional or other individual or entity acquiring the report.

VI

STATEMENT OF QUALIFICATIONS



Austin EnviroSolutions
Environmental Consulting

WILLIAM K. DURAN. P.G.

EDUCATION

Graduate Hydrology Class, University of Houston, 1992
M.S. Geosciences, University of Arkansas, Fayetteville, Arkansas 1988
B.S. Geosciences, University of Texas, Austin, Texas 1984

PROFESSIONAL REGISTRATIONS

Professional Geoscientist, State of Texas License Number 876
State of Texas Geoscience Firm Registration License Number 50131
Professional Geoscientist, State of Louisiana License Number 977

PROFESSIONAL AFFILIATIONS AND HONOR SOCIETIES

Professional Geologist, State of Texas, 2003
Professional Geologist, State of Louisiana, 2015
Texas Association of Environmental Professionals
Austin Geological Society
Northwest Austin Rotary
Sigma Gamma Epsilon: Geosciences Honor Society

CERTIFICATIONS, LICENSES AND TRAINING

LPST Correction Action Project Manager, TCEQ Texas Registration No. CAPM01534
Texas Department of State Health Services Asbestos Inspector License No. 60-2583
Texas Parks and Wildlife Scientific Research Permit No. SPR-0503-305 (Endangered Species)
Technical Writing Workshop, Professional Development Center, the University of Texas at Austin
ASTM Technical & Professional Training Course, Phase I & II ESA's for Commercial Real Estate 2009
Construction Services and Safety Training 1998
Natural Attenuation Remediation Seminar, Denver 1995
Project Management Training, Natural Groundwater Association Seminar, San Antonio 1994
Ethics for Geoscientists Lecture, Dr. Sharon Mosher, Dean of the Jackson School of Geosciences 2009
NEPA Training Seminar
OSHA 40-hour Federal Site Worker Training 29 CFR 1910.120 (e)(8)

QUALIFICATIONS SUMMARY

Mr. Duran is a registered geologist in the state of Texas and Arkansas. Responsibilities include, field reconnaissance, site mapping, acquisition of samples for laboratory analysis, laboratory data interpretation, report preparation, and project management including asbestos and lead-based paint surveys. As an environmental geologist and project manager, Mr. Duran has managed and supervised numerous hydrogeologic studies for investigations involving RCRA, CERCLA, and UST/AST sites for industrial and government clients in both the United States and Mexico. His experience includes groundwater contamination studies, petroleum and chlorinated hydrocarbon investigations, groundwater and aquifer testing, groundwater and soil sampling, and groundwater/surface water interaction studies. Mr. Duran is experienced in Phase I and II Environmental Site Assessments (ESA'S), TCEQ Geologic Assessments and City of Austin Environmental Assessments.

STATE OF TEXAS

BOARD OF PROFESSIONAL GEOSCIENTISTS

WILLIAM K. DURAN

Geology

**License Number
876**

In accordance with the provisions of the Texas Geoscience Practice Act, the Texas Board of Professional Geoscientists hereby certifies that the above named individual was licensed as a Professional Geoscientist on July 9, 2003

W. Kevin Coleman
Chairman, Texas Board of Professional Geoscientists





Texas Board of Professional Geoscientists Certificate of Geoscience Firm Registration

It is Hereby Acknowledged That

AUSTIN ENVIROSOLUTIONS

Has fulfilled the requirements of the State of Texas to
offer and perform geosciences services in the
State of Texas and is issued

Registration No. 50131

In witness whereof I have hereunto set my hand and affixed the seal of
the Board, this July 3, 2007.



AUSTIN ENVIROSOLUTIONS

Geoscience Firm

Registration #50131

Expires July 31, 2021

In accordance with the provisions of the Texas Geoscience Practice Act, the Texas Board of Professional Geoscientists hereby certifies that the above named entity has been approved as a Registered Geoscience Firm.

Becky L. Johnson

Becky L. Johnson, PG, TBPG Chairman

R. L. Kitchens

Ron Kitchens, TBPG Chairman

Texas map courtesy of the Bureau of Economic Geology, The University of Texas at Austin