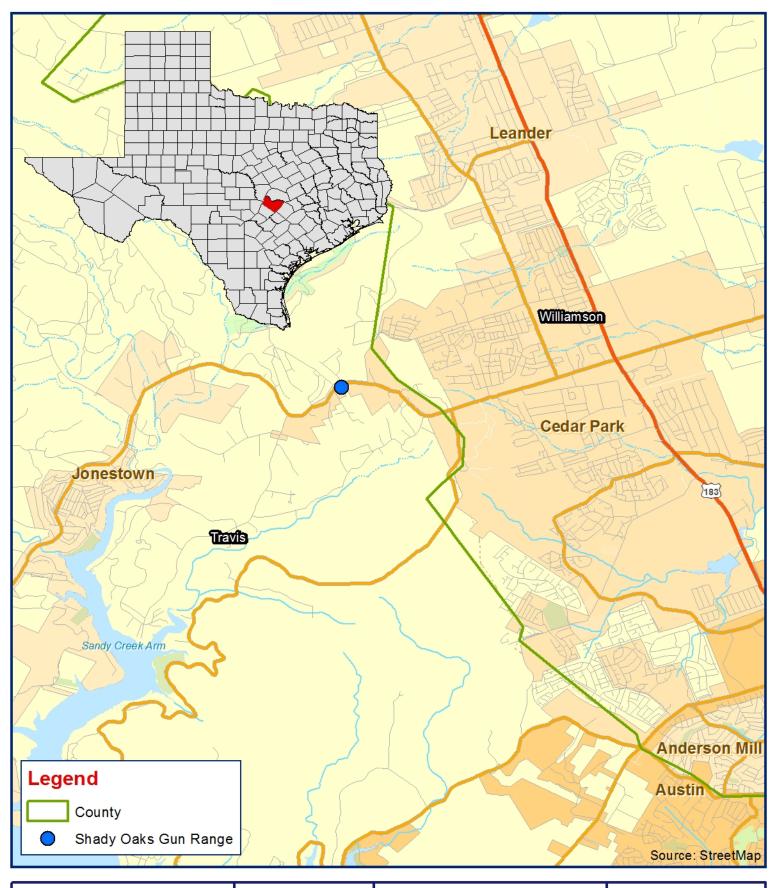


Figures





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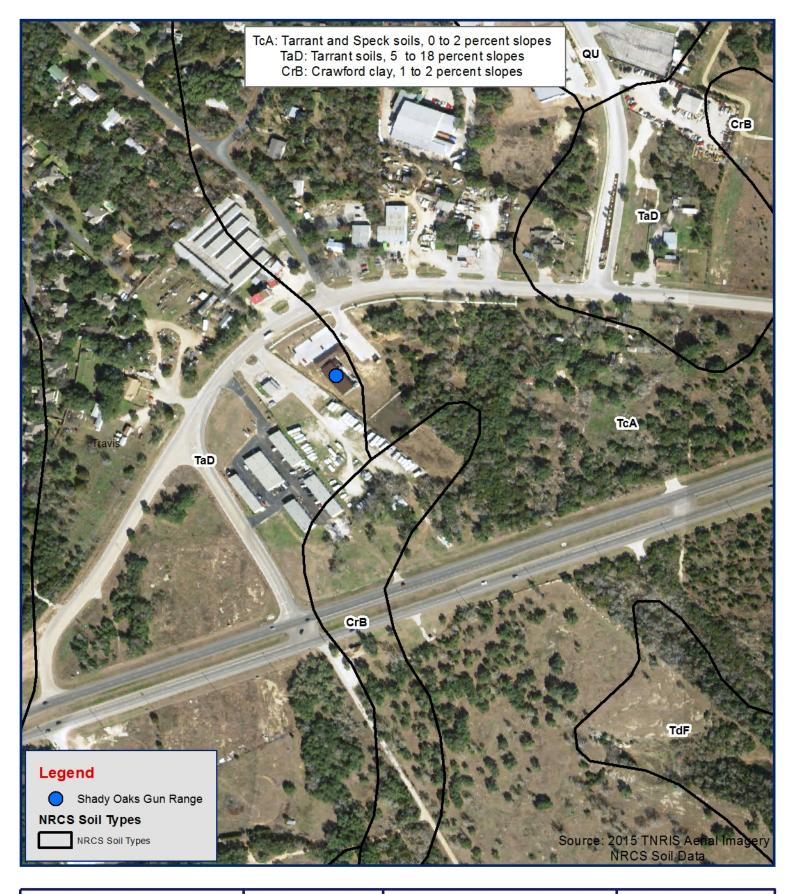
CLIENT	PROJECT DESCRIPTION	FIGURE 1	
Shady Oaks Gun Range	Environmental Assessment	Site Vicinity Map	
0 0.75	1.5 3 Miles	Created by: R Montez Date: 18 Aug 2016	





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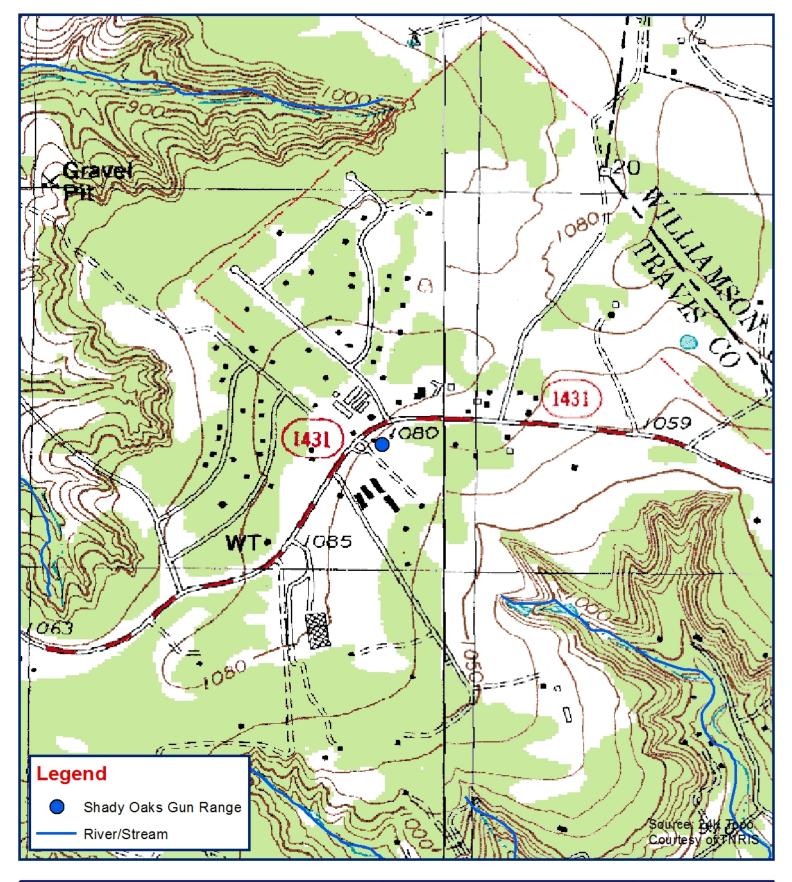
CLIENT	PROJECT DESCRIPTION	FIGURE 2	
Shady Oaks Gun Range	Environmental Assessment	Project Layout Map	
0 20 40 8	0 120 160 N	Created by: P. Ireland Date: 9/2/2016	

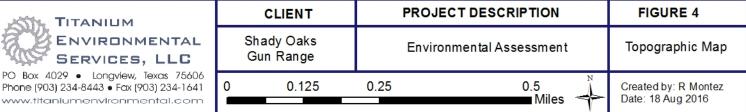




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L	CLIENT PROJECT DESCRIPTION		FIGURE 3
Shady Oaks Gun Range		Environmental Assessment	NRCS County Soils
(0 125 250	500 750 1,000 Feet	Created by: R Montez Date: 18 Aug 2016



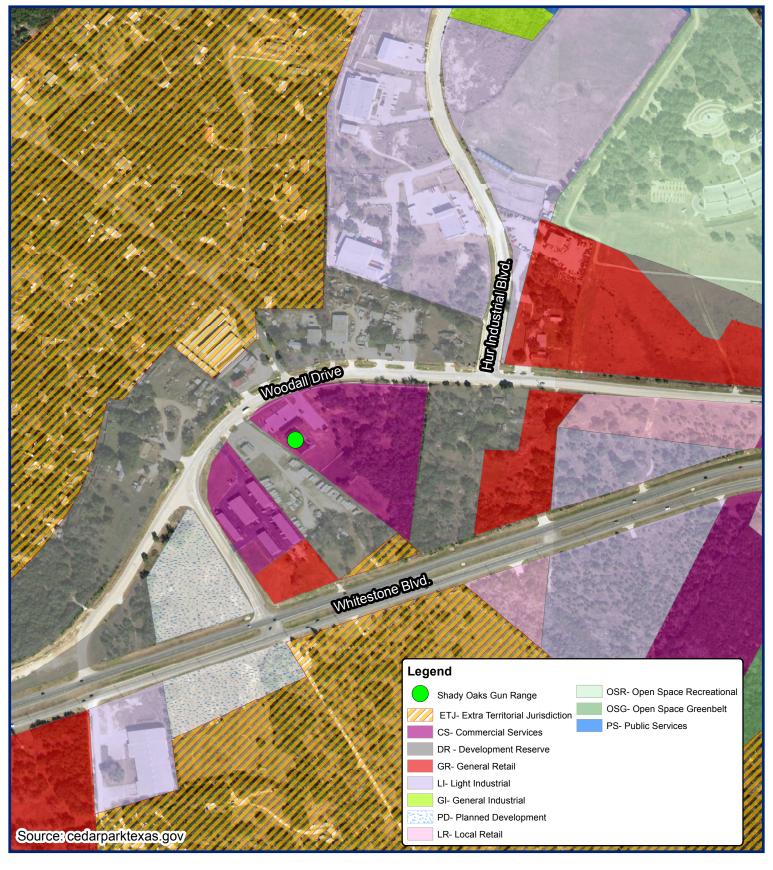






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CLIENT Shady Oaks Gun Range		- 1	PROJECT DESCRIPTION		FIGURE 5	
			Environmental Assessm	ent	FEMA 100-Year Floodplain & HAZMAT	
0	0.125	0.25	0.5 Miles	N N	Created by: R Montez Date: 18 Aug 2016	





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CLIENT			PROJECT DESCRIPTION	FIGURE 6	
Shady Oaks Gun Range			Environmental Assessment	Land Use Map	
0	250	500	750	1,500 Feet	Created by: R Montez Date: 18 Aug 2016

Appendix A Representative Site Photos

Shady Oaks Gun Range Environmental Assessment TRAVIS COUNTY, TEXAS REPRESENTATIVE SITE PHOTOS July 24, 2016



Photo 1: Facing east along Woodall Drive showing the proposed construction staging area



Photo 2: Facing south showing the mowed lawn that is the area of the proposed archery platform.

Shady Oaks Gun Range Environmental Assessment TRAVIS COUNTY, TEXAS REPRESENTATIVE SITE PHOTOS July 24, 2016



Photo 3: Facing north (opposite direction of Photo 2) showing the area of the proposed archery platform (center of photo) and parking lot expansion (right side of photo).



Photo 4: Facing south showing existing parking lot and areas of proposed lot expansion (background and left side of photo).

Shady Oaks Gun Range Environmental Assessment TRAVIS COUNTY, TEXAS REPRESENTATIVE SITE PHOTOS July 24, 2016



Photo 5: Facing west from the existing parking lot, showing the area of the proposed training / educational building.



Photo 6: Facing northwest, showing the proposed area for the archery platform (foreground) and the proposed location of the training / educational building (background).

Appendix B

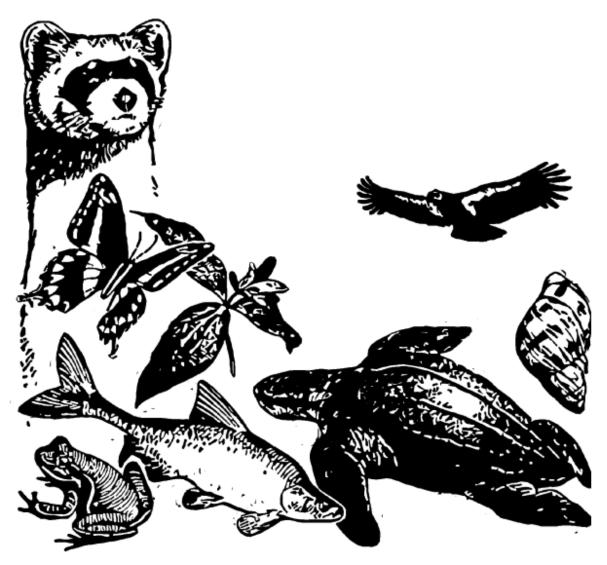
Threatened and Endangered Species List

Shady Oaks Gun Range

IPaC Trust Resources Report

Generated September 06, 2016 01:50 PM MDT, IPaC v3.0.8

This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.



IPaC - Information for Planning and Conservation (https://ecos.fws.gov/ipac/): A project planning tool to help streamline the U.S. Fish & Wildlife Service environmental review process.

Table of Contents

IF	PaC Trust Resources Report	1
	Project Description	1
	Endangered Species	2
	Migratory Birds	7
	Refuges & Hatcheries	10
	Wetlands	11

U.S. Fish & Wildlife Service

IPaC Trust Resources Report

NAME

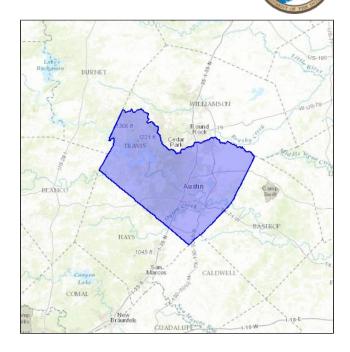
Shady Oaks Gun Range

LOCATION

Travis County, Texas

IPAC LINK

https://ecos.fws.gov/ipac/project/ QJZFW-UJRHV-BRNAV-BBK6U-7K3EKQ



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

Austin Ecological Services Field Office

10711 Burnet Road, Suite 200 Austin, TX 78758-4460 (512) 490-0057

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the <u>Endangered Species Program</u> of the U.S. Fish & Wildlife Service.

This USFWS trust resource report is for informational purposes only and should not be used for planning or analyzing project level impacts.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list from the Regulatory Documents section.

<u>Section 7</u> of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency.

A letter from the local office and a species list which fulfills this requirement can only be obtained by requesting an official species list either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Amphibians

Austin Blind Salamander Eurycea waterlooensis

Endangered

CRITICAL HABITAT

There is **final** critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=D033

Barton Springs Salamander Eurycea sosorum

Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=D010

Jollyville Plateau Salamander Eurycea tonkawae

Threatened

CRITICAL HABITAT

There is **final** critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=D02T

Arachnids

Bee Creek Cave Harvestman Texella reddelli

Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=J008

Bone Cave Harvestman Texella reyesi

Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=J009

Tooth Cave Pseudoscorpion Tartarocreagris texana

Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=J00A

Tooth Cave Spider Neoleptoneta myopica

Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=J00B

Birds

Black-capped Vireo Vireo atricapilla

Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B07T

Golden-cheeked Warbler (=wood) Dendroica chrysoparia

Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B07W

Least Tern Sterna antillarum

Endangered

THIS SPECIES ONLY NEEDS TO BE CONSIDERED IF THE FOLLOWING CONDITION APPLIES Wind Energy Projects

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B07N

Piping Plover Charadrius melodus

Threatened

THIS SPECIES ONLY NEEDS TO BE CONSIDERED IF THE FOLLOWING CONDITION APPLIES Wind Energy Projects

CRITICAL HABITAT

There is final critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B079

Red Knot Calidris canutus rufa

Threatened

THIS SPECIES ONLY NEEDS TO BE CONSIDERED IF THE FOLLOWING CONDITION APPLIES Wind Energy Projects

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0DM

Whooping Crane Grus americana

Endangered

CRITICAL HABITAT

There is final critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B003

Clams

Golden Orb Quadrula aurea

Candidate

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=F04J

Smooth Pimpleback Quadrula houstonensis

Candidate

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=F04G

Texas Fatmucket Lampsilis bracteata

Candidate

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=F04I

Texas Fawnsfoot Truncilla macrodon

Candidate

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=F04E

Texas Pimpleback Quadrula petrina

Candidate

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=F04F

Flowering Plants

Bracted Twistflower Streptanthus bracteatus

Candidate

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q1R7

Insects

Kretschmarr Cave Mold Beetle Texamaurops reddelli

Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=I0IA

Tooth Cave Ground Beetle Rhadine persephone

Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=I0IB

Critical Habitats

This location overlaps all or part of the critical habitat for the following species:

Austin Blind Salamander Eurycea waterlooensis

Final designated critical habitat

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=D033#crithab

Jollyville Plateau Salamander Eurycea tonkawae

Final designated critical habitat

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=D02T#crithab

Migratory Birds

Birds are protected by the <u>Migratory Bird Treaty Act</u> and the <u>Bald and Golden Eagle</u> <u>Protection Act</u>.

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

Additional information can be found using the following links:

- Birds of Conservation Concern
 http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Conservation measures for birds
 http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- Year-round bird occurrence data http://www.birdscanada.org/birdmon/default/datasummaries.jsp

The following species of migratory birds could potentially be affected by activities in this location:

Audubon's Oriole Icterus graduacauda Bird of conservation concern

Season: Year-round

Bald Eagle Haliaeetus leucocephalus Bird of conservation concern

Season: Wintering

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Bell's Vireo Vireo bellii Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0JX

Burrowing Owl Athene cunicularia

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0NC

Chestnut-collared Longspur Calcarius ornatus Bird of conservation concern

Season: Wintering

Dickcissel Spiza americana

Bird of conservation concern

Season: Breeding

Fox Sparrow Passerella iliaca Bird of conservation concern

Season: Wintering

Harris's Sparrow Zonotrichia querula

Bird of conservation concern

Season: Wintering

Hudsonian Godwit Limosa haemastica Bird of conservation concern

Season: Migrating

Lark Bunting Calamospiza melanocorys

Bird of conservation concern

Season: Wintering

Le Conte's Sparrow Ammodramus leconteii Bird of conservation concern

Season: Wintering

Least Bittern Ixobrychus exilis

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Lesser Yellowlegs Tringa flavipes Bird of conservation concern

Season: Wintering

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0MD

Lewis's Woodpecker Melanerpes lewis Bird of conservation concern

Season: Wintering

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HQ

Little Blue Heron Egretta caerulea Bird of conservation concern

Season: Breeding

Loggerhead Shrike Lanius Iudovicianus Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FY

Mccown's Longspur Calcarius mccownii Bird of conservation concern

Season: Wintering

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HB

Mississippi Kite Ictinia mississippiensis

Bird of conservation concern

Season: Breeding

Orchard Oriole Icterus spurius Bird of conservation concern

Season: Breeding

Painted Bunting Passerina ciris

Bird of conservation concern

Season: Breeding

Peregrine Falcon Falco peregrinus

Bird of conservation concern

Season: Wintering

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Prothonotary Warbler Protonotaria citrea Bird of conservation concern

Season: Breeding

Red-headed Woodpecker Melanerpes erythrocephalus Bird of conservation concern

Season: Year-round

Rufous-crowned Sparrow Aimophila ruficeps Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0MX

Rusty Blackbird Euphagus carolinus Bird of conservation concern

Season: Wintering

Scissor-tailed Flycatcher Tyrannus forficatus

Bird of conservation concern

Season: Breeding

Short-eared Owl Asio flammeus Bird of conservation concern

Season: Wintering

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Sprague's Pipit Anthus spragueii Bird of conservation concern

Season: Wintering

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0GD

Varied Bunting Passerina versicolor Bird of conservation concern

Season: Breeding

Wildlife refuges and fish hatcheries

Any activity proposed on <u>National Wildlife Refuge</u> lands must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

This location overlaps all or part of the following National Wildlife Refuges:

Balcones Canyonlands National Wildlife Refuge

63,069.46 acres

PHONE (512) 339-9432 ADDRESS 24518 Fm 1431 Marble Falls, TX 78654

http://www.fws.gov/refuges/profiles/index.cfm?id=21561

Wetlands in the National Wetlands Inventory

Impacts to <u>NWI wetlands</u> and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local <u>U.S. Army</u> <u>Corps of Engineers District</u>.

DATA LIMITATIONS

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

DATA EXCLUSIONS

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

DATA PRECAUTIONS

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

This location overlaps all or part of the following wetlands:

The area of this project is too large for IPaC to load all NWI wetlands in the area. The list below may be incomplete. Please contact the local U.S. Fish & Wildlife Service office or visit the **NWI map** for a full list.

Freshwater Emergent Wetland

PEM1A PEM1Ah PEM1C PEM1Ch

PEM1Cx

PEM1Fh

Freshwater Forested/shrub Wetland

PFO/EM1A

PFO1A

PFO1Ah

PFO1C

PFO1Ch

PFO2C

PFO2F

PSS1A

PSS1Ah

PSS1C

Freshwater Pond

PAB3Fh

PAB3Hh

PAB3Hx

PAB4Fh

PUBF

PUBFh

Lake

L1UBHh

L1UBHx

L2AB3Hx

L2USAh

L2USCh

A full description for each wetland code can be found at the National Wetlands Inventory website: http://107.20.228.18/decoders/wetlands.aspx

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TRAVIS COUNTY

AMPHIBIANS Federal Status State Status

Austin blind salamander Eurycea waterlooensis E

mostly restricted to subterranean cavities of the Edwards Aquifer: dependent upon water flow/quality from

mostly restricted to subterranean cavities of the Edwards Aquifer; dependent upon water flow/quality from the Barton Springs segment of the Edwards Aquifer; only known from the outlets of Barton Springs (Sunken Gardens (Old Mill) Spring, Eliza Spring, and Parthenia (Main) Spring which forms Barton Springs Pool); feeds on amphipods, ostracods, copepods, plant material, and (in captivity) a wide variety of small aquatic invertebrates

Barton Springs salamander Eurycea sosorum

dependent upon water flow/quality from the Barton Springs pool of the Edwards Aquifer; known from the outlets of Barton Springs and subterranean water-filled caverns; found under rocks, in gravel, or among aquatic vascular plants and algae, as available; feeds primarily on amphipods

Jollyville Plateau salamander Eurycea tonkawae

known from springs and waters of some caves north of the Colorado River

Pedernales River springs Eurycea sp 6

salamander

endemic; known only from springs

ARACHNIDS Federal Status State Status

Bandit Cave spider Cicurina bandida

very small, subterrestrial, subterranean obligate

Bee Creek Cave harvestman Texella reddelli LE

small, blind, cave-adapted harvestman endemic to a few caves in Travis and Williamson counties

Bone Cave harvestman Texella reyesi LE

small, blind, cave-adapted harvestman endemic to several caves in Travis and Williamson counties; weakly differentiated from Texella reddelli

Tooth Cave pseudoscorpion Tartarocreagris texana LE

small, cave-adapted pseudoscorpion known from small limestone caves of the Edwards Plateau

Tooth Cave spider Tayshaneta myopica LE

very small, cave-adapted, sedentary spider

Warton's cave meshweaver Cicurina wartoni

very small, cave-adapted spider

BIRDS Federal Status State Status T **American Peregrine Falcon** Falco peregrinus anatum DL year-round resident and local breeder in west Texas, nests in tall cliff eyries; also, migrant across state from more northern breeding areas in US and Canada, winters along coast and farther south; occupies wide range of habitats during migration, including urban, concentrations along coast and barrier islands; low-altitude migrant, stopovers at leading landscape edges such as lake shores, coastlines, and barrier islands. **Arctic Peregrine Falcon** Falco peregrinus tundrius 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. DLT **Bald Eagle** Haliaeetus leucocephalus found primarily near rivers and large lakes; nests in tall trees or on cliffs near water; communally roosts, especially in winter; hunts live prey, scavenges, and pirates food from other birds **Black-capped Vireo** Vireo atricapilla LE E oak-juniper woodlands with distinctive patchy, two-layered aspect; shrub and tree layer with open, grassy spaces; requires foliage reaching to ground level for nesting cover; return to same territory, or one nearby, year after year; deciduous and broad-leaved shrubs and trees provide insects for feeding; species composition less important than presence of adequate broad-leaved shrubs, foliage to ground level, and required structure; nesting season March-late summer **Golden-cheeked Warbler** Setophaga chrysoparia LE E 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 **Interior Least Tern** Sterna antillarum athalassos LE E 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 **Mountain Ployer** Charadrius montanus breeding: nests on high plains or shortgrass prairie, on ground in shallow depression; nonbreeding: shortgrass plains and bare, dirt (plowed) fields; primarily insectivorous Т **Peregrine Falcon** Falco peregrinus DL 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

Red Knot Calidris canutus rufa

for habitat.

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BIRDS

Federal Status

State Status

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

Sprague's Pipit

Anthus spragueii

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

Western Burrowing Owl

Athene cunicularia hypugaea

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

Whooping Crane

Grus americana

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

CRUSTACEANS

Federal Status State Status

An amphipod

Stygobromus russelli

subterranean waters, usually in caves and limestone aquifers; resident of numerous caves in ca. 10 counties of the Edwards Plateau

Balcones Cave amphipod

Stygobromus balconis

subaquatic, subterranean obligate amphipod

Bifurcated cave amphipod

Stygobromus bifurcatus

found in cave pools

FISHES

Federal Status

State Status

Guadalupe bass

Micropterus treculii

endemic to perennial streams of the Edward's Plateau region; introduced in Nueces River system

FISHES Federal Status State Status

Smalleye shiner Notropis buccula LE

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

INSECTS Federal Status State Status

Kretschmarr Cave mold Texamaurops reddelli LE

beetle

small, cave-adapted beetle found under rocks buried in silt; small, Edwards Limestone caves in of the Jollyville Plateau, a division of the Edwards Plateau

Tooth Cave blind rove beetle Cylindropsis sp 1

one specimen collected from Tooth Cave; only known North American collection of this genus

Tooth Cave ground beetle Rhadine persephone LE

resident, small, cave-adapted beetle found in small Edwards Limestone caves in Travis and Williamson counties

MAMMALS Federal Status State Status

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

Plains spotted skunk Spilogale putorius interrupta

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

Red wolf Canis rufus 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 Quadrula mitchelli 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

MOLLUSKS Federal Status State Status

Smooth pimpleback *Quadrula houstonensis*

Т

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 fatmucket

Lampsilis bracteata

C

 \mathbf{C}

T

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

Texas pimpleback

Quadrula petrina

C

T

mud, gravel and sand substrates, generally in areas with slow flow rates; Colorado and Guadalupe river basins

REPTILES

Federal Status

State Status

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

Texas garter snake

Thamnophis sirtalis annectens

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

Phrynosoma cornutum

Т

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

PLANTS

Federal Status

State Status

Arrowleaf milkvine

Matelea sagittifolia

GLOBAL RANK: G3; Most consistently encountered in thornscrub in South Texas; Perennial; Flowering March-July; Fruiting April-July & Dec?

Basin bellflower

Campanula reverchonii

Texas endemic; 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

Boerne bean

Phaseolus texensis

Narrowly endemic to rocky canyons in eastern and southern Edwards Plateau occurring on limestone soils in mixed woodlands, on limestone cliffs and outcrops, frequently along creeks.

PLANTS Federal Status State Status

Bracted twistflower Streptanthus bracteatus

 \mathbf{C}

Texas endemic; shallow, well-drained gravelly clays and clay loams over limestone in oak juniper woodlands and associated openings, on steep to moderate slopes and in canyon bottoms; several known soils include Tarrant, Brackett, or Speck over Edwards, Glen Rose, and Walnut geologic formations; populations fluctuate widely from year to year, depending on winter rainfall; flowering mid April-late May, fruit matures and foliage withers by early summer

Buckley tridens Tridens buckleyanus

GLOBAL RANK: G3; Occurs in juniper-oak woodlands on rocky limestone slopes; Perennial; Flowering/Fruiting April-Nov

Correll's false dragon-head Physostegia correllii

wet, silty clay loams on streamsides, 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

Glass Mountains coral-root *Hexalectris nitida*

GLOBAL RANK: G3; Apparently rare in mixed woodlands in canyons in the mountains of the Brewster County, but encountered with regularity, albeit in small numbers, under Juniperus ashei in woodlands over limestone on the Edwards Plateau, Callahan Divide and Lampasas Cutplain; Perennial; Flowering June-Sept; Fruiting July-Sept

Gravelbar brickellbush Brickellia dentata

GLOBAL RANK: G3; Essentially restricted to frequently-scoured gravelly alluvial beds in creek and river bottoms; Perennial; Flowering June-Nov; Fruiting June-Oct

Heller's marbleseed Onosmodium helleri

GLOBAL RANK: G3; Occurs in loamy calcareous soils in oak-juniper woodlands on rocky limestone slopes, often in more mesic portions of canyons; Perennial; Flowering March-May

Low spurge Euphorbia peplidion

GLOBAL RANK: G3; Occurs in a variety of vernally-moist situations in a number of natural regions; Annual; Flowering Feb-April; Fruiting March-April

Narrowleaf brickellbush Brickellia eupatorioides var. gracillima

GLOBAL RANK: G5T3; Moist to dry gravelly alluvial soils along riverbanks but also on limestone slopes; Perennial; Flowering/Fruiting April-Nov

Net-leaf bundleflower *Desmanthus reticulatus*

GLOBAL RANK: G3; Mostly on clay prairies of the coastal plain of central and south Texas; Perennial; Flowering April-July; Fruiting April-Oct

Plateau loosestrife Lythrum ovalifolium

GLOBAL RANK: G4; Banks and gravelly beds of perennial (or strong intermittent) streams on the Edwards Plateau, Llano Uplift and Lampasas Cutplain; Perennial; Flowering/Fruiting April-Nov

PLANTS Federal Status State Status

Plateau milkvine *Matelea edwardsensis*

GLOBAL RANK: G3; Occurs in various types of juniper-oak and oak-juniper woodlands; Perennial;

Flowering March-Oct; Fruiting May-June

Rock grape Vitis rupestris

GLOBAL RANK: G3; Occurs on rocky limestone slopes and in streambeds; Perennial; Flowering March-

May; Fruiting May-July

Scarlet leather-flower *Clematis texensis*

GLOBAL RANK: G3; Usually in oak-juniper woodlands in mesic rocky limestone canyons or along

perennial streams; Perennial; Flowering March-July; Fruiting May-July

Stanfield's beebalm *Monarda punctata var. stanfieldii*

GLOBAL RANK: G5T3; Largely confined to granite sands along the middle course of the Colorado River

and its tributaries; Perennial

Sycamore-leaf snowbell Styrax platanifolius ssp. platanifolius

GLOBAL RANK: G3T3; 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

Texabama croton *Croton alabamensis var texensis*

Texas endemic; in duff-covered loamy clay soils on rocky slopes in forested, mesic limestone canyons; locally abundant on deeper soils on small terraces in canyon bottoms, often forming large colonies and dominating the shrub layer; scattered individuals are occasionally on sunny margins of such forests; also found in contrasting habitat of deep, friable soils of limestone uplands, mostly in the shade of evergreen woodland mottes; flowering late February-March; fruit maturing and dehiscing by early June

Texas almond Prunus minutiflora

GLOBAL RANK: G3; Wide-ranging but scarce, in a variety of grassland and shrubland situations, mostly on calcareous soils underlain by limestone but occasionally in sandier neutral soils underlain by granite;

Perennial; Flowering Feb-May & Oct; Fruiting Feb-Sept

Texas amorpha Amorpha roemeriana

GLOBAL RANK: G3; Juniper-oak woodlands or shrublands on rocky limestone slopes, sometimes on dry shelves above creeks; Perennial; Flowering May-June; Fruiting June-Oct

Texas barberry Berberis swaseyi

GLOBAL RANK: G3; Shallow calcareous stony clay of upland grasslands/shrublands over limestone as well as in loamier soils in openly wooded canyons and on creek terraces; Perennial; Flowering/Fruiting March-June

Texas fescue Festuca versuta

GLOBAL RANK: G3; Occurs in mesic woodlands on limestone-derived soils on stream terraces and canyon slopes; Perennial; Flowering/Fruiting April-June

PLANTS Federal Status State Status

Texas milk vetch Astragalus reflexus

GLOBAL RANK: G3; Grasslands, prairies, and roadsides on calcareous and clay substrates; Annual;

Flowering Feb-June; Fruiting April-June

Texas seymeria Seymeria texana

GLOBAL RANK: G3; 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

Tree dodder Cuscuta exaltata

GLOBAL RANK: G3; 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

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 terrraces 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

Appendix C
Agency Coordination

P.O. Box 4029 Longview, Texas 75606-4029

Phone (903) 234-8443 Fax (903) 234-1641

September 1, 2016

Adam Zerrenner, Field Supervisor United States Fish & Wildlife Service 10711 Burnet Road, Suite 200 Austin, TX 78758

Re: Shady Oaks Gun Range Expansion – Environmental Assessment

Dear Mr. Zerrenner:

This letter is to notify you that the Shady Oaks Gun Range is preparing an Environmental Assessment (EA) pursuant to Section 102 of the National Environmental Policy Act (NEPA) as implemented by the regulations promulgated by the Council on Environmental Quality (40 Code of Federal Regulations Parts 1500-1508). Financial assistance for this project is being provided through a grant under the Wildlife and Sport Fish Restoration Program from the United States Fish and Wildlife Service (USFWS) that will be administered by the Texas Parks and Wildlife Department (TPWD).

The Proposed Action consists of the Shady Oaks Gun Range (SOGR) expanding its existing gun range facility to accommodate and increase shooting and training opportunities for women, youth, and disabled persons. The SOGR is located at 3100 Woodall Drive, Cedar Park, Travis County, Texas (Figures 1 and 2). There are four areas of proposed construction associated with the SOGR expansion which include the following:

- 1) A dedicated hunter education and archery and beginning firearms safety and proficiency class facility along with dedicated storage.
- 2) A 27-foot wide by 126-foot uncovered outdoor archery training platform that would extend from the existing retail/shooting range toward the southern property boundary.
- 3) An additional 15 parking spaces, new fire lane, and a new private fire hydrant directly east of the existing parking lot located on the east side of the existing SOGR retail and gun range buildings.
- 4) A temporary construction staging area with concrete washout area located along Woodall Drive directly northeast of the current SOGR main parking lot.

The EA will describe the need for and purpose of the proposed project, alternatives under consideration, the affected environment, and will assess the potential environmental effects of the alternatives.

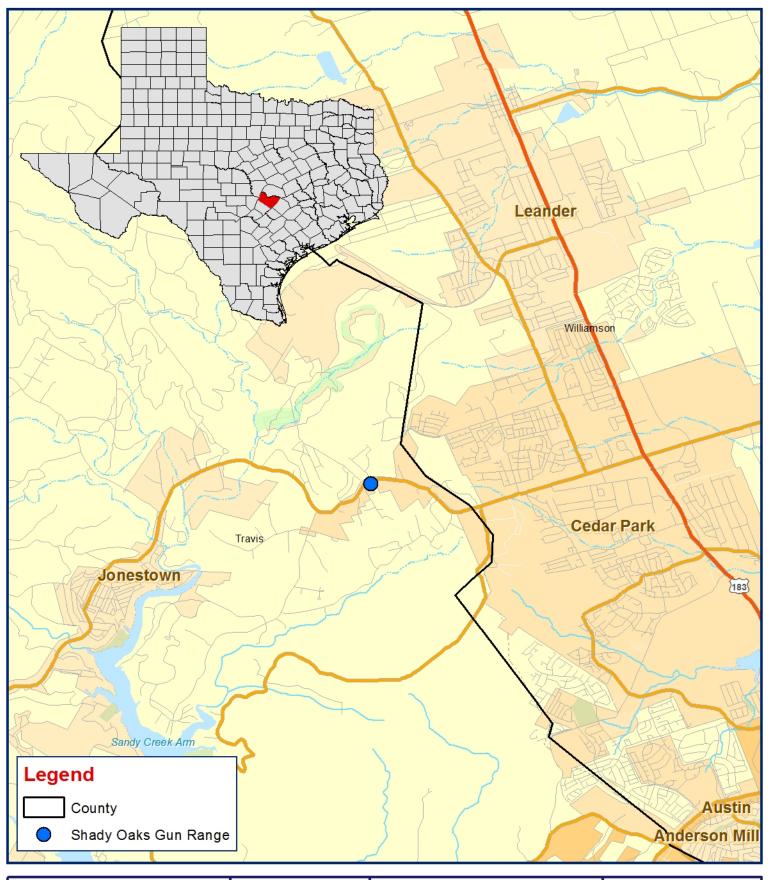
To help ensure that the EA addresses environmental resource categories for which your agency manages or has the responsibility to regulate, it is requested that you provide any comments or recommendations you may have regarding the performance of the EA. We look forward to receiving your comments.

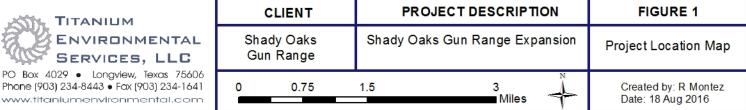
Please send any correspondence and information regarding this request to the attention of Mr. Patrick Ireland at Titanium Environmental Services, LLC at P.O. Box 4029, Longview, TX 75606. If you have any questions regarding this matter, he can be contacted by phone at (903) 234-8443 or by e-mail at pireland@titaniumenvironmental.com. Thank you for your consideration of this request.

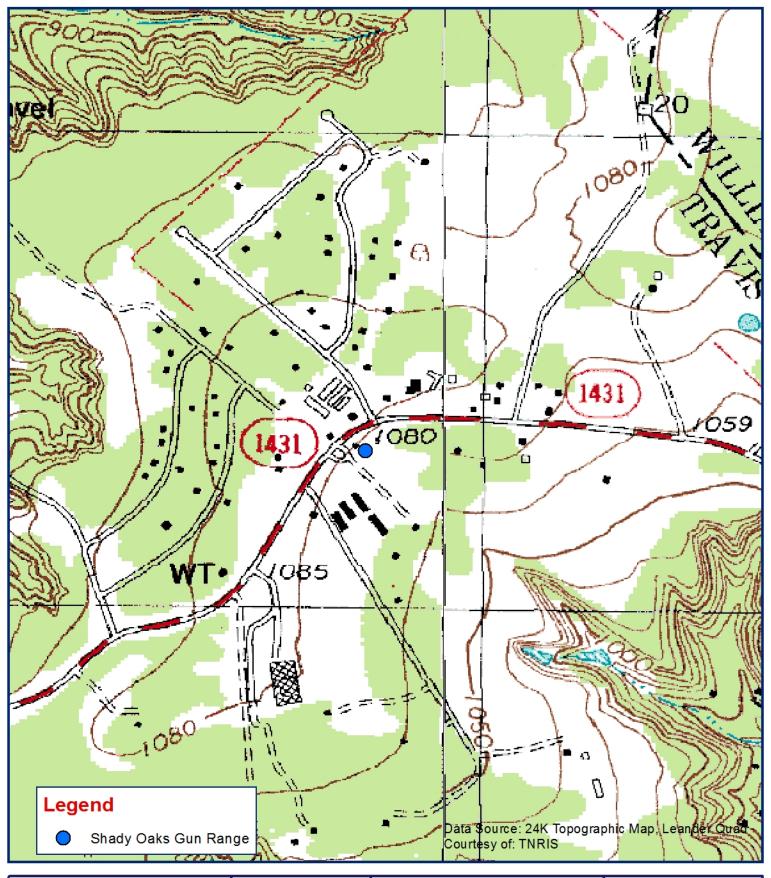
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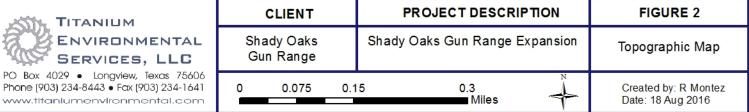
Dan Murphy Project Manager

Attachments









P.O. Box 4029 Longview, Texas 75606-4029

Phone (903) 234-8443 Fax (903) 234-1641

September 1, 2016

Jennifer Walker, Permits Section Chief United States Army Corps of Engineers Regulatory Division (Attn: CESWF-DE-R) P.O. Box 17300 Fort Worth, TX 76102 - 0300

Re: Shady Oaks Gun Range Expansion – Environmental Assessment

Dear Ms. Walker:

This letter is to notify you that the Shady Oaks Gun Range is preparing an Environmental Assessment (EA) pursuant to Section 102 of the National Environmental Policy Act (NEPA) as implemented by the regulations promulgated by the Council on Environmental Quality (40 Code of Federal Regulations Parts 1500-1508). Financial assistance for this project is being provided through a grant under the Wildlife and Sport Fish Restoration Program from the United States Fish and Wildlife Service (USFWS) that will be administered by the Texas Parks and Wildlife Department (TPWD).

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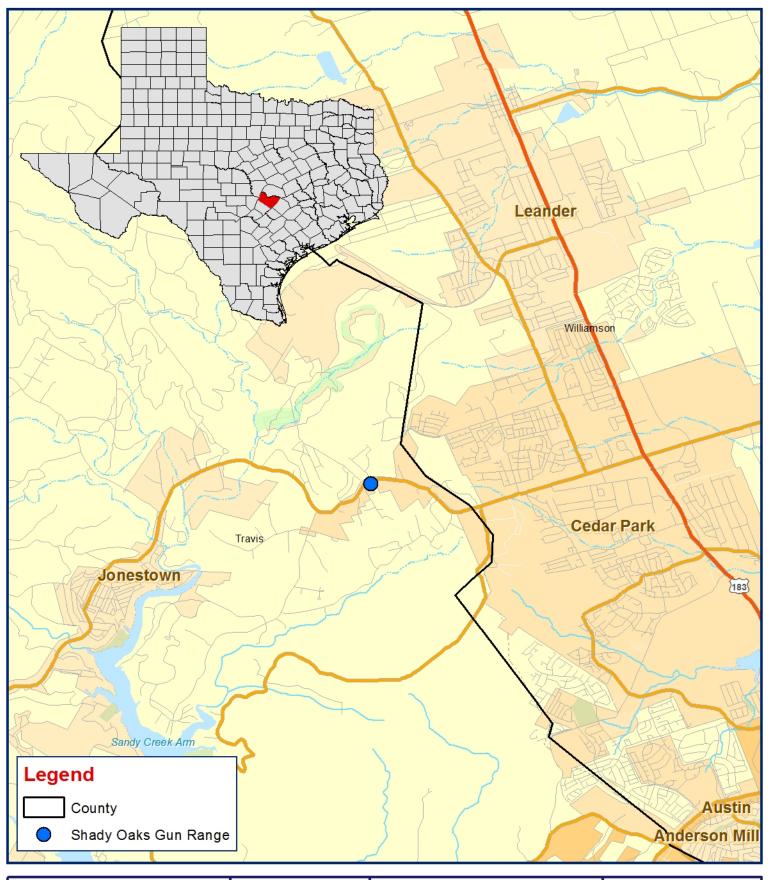
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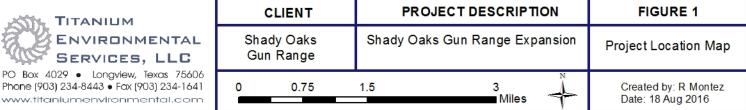
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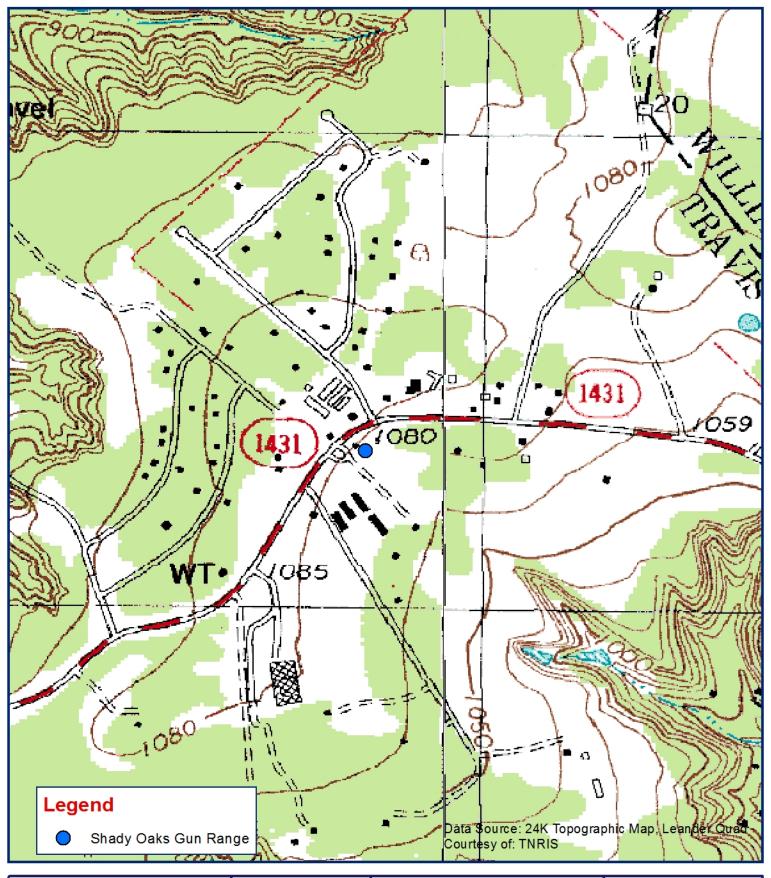
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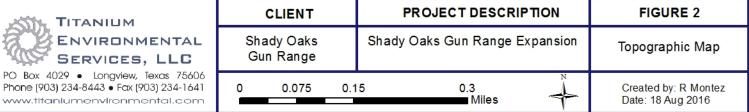
Dan Murphy Project Manager

Attachments











DEPARTMENT OF THE ARMY

FORT WORTH DISTRICT, CORPS OF ENGINEERS P. O. BOX 17300 FORT WORTH, TEXAS 76102-0300

September 9, 2016

Regulatory Division

SUBJECT: Project Number SWF-2016-00324, Shady Oaks Gun Range Expansion

Mr. Dan Murphy Titanium Environmental Services, LLC P.O. Box 4029 Longview, Texas 75606-4029

Dear Mr. Murphy:

Thank you for your letter received September 6, 2016, concerning a proposal by the Shady Oaks Gun Range to expand its existing facility in Cedar Park, Travis County, Texas. This project has been assigned Project Number SWF-2016-00324. Please include this number in all future correspondence concerning this project.

Mr. Billy Standridge has been assigned as the regulatory project manager for your request and will be evaluating it as expeditiously as possible.

You may be contacted for additional information about your request. For your information, please reference the Fort Worth District Regulatory Branch homepage at www.swf.usace.army.mil/Missions/Regulatory and particularly guidance on submittals at www.media.swf.usace.army.mil/pubdata/environ/regulatory/introduction/submital.pdf and mitigation at www.usace.army.mil/Missions/Regulatory/Permitting/Mitigation that may help you supplement your current request or prepare future requests.

If you have any questions about the evaluation of your submittal or would like to request a copy of one of the documents referenced above, please refer to our website at http://www.swf.usace.army.mil/Missions/Regulatory or contact Mr. Billy Standridge at the address above or telephone 817-886-1662 and refer to your assigned project number. Please note that it is unlawful to start work without a Department of the Army permit if one is required.

Please help the regulatory program improve its service by completing the survey on the following website: http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey

Stephen L Brooks Chief, Regulatory Division



DEPARTMENT OF THE ARMY

FORT WORTH DISTRICT, CORPS OF ENGINEERS
P. O. BOX 17300
FORT WORTH, TEXAS 76102-0300

September 28, 2016

Regulatory Division

SUBJECT: Project Number SWF-2016-00324, Shady Oaks Gun Range Expansion

Mr. Patrick Ireland Titanium Environmental Services, LLC P.O. Box 4029 Longview, Texas 75606-4029

Dear Mr. Ireland:

This letter is in regard to information received September 6, 2016, concerning a proposal by the Shady Oaks Gun Range to expand its existing facility in Cedar Park, Travis County, Texas. This project has been assigned Project Number SWF-2016-00324. Please include this number in all future correspondence concerning this project.

We have reviewed this project in accordance with Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act of 1899. Under Section 404, the U.S. Army Corps of Engineers (USACE) regulates the discharge of dredged and fill material into waters of the United States, including wetlands. Our responsibility under Section 10 is to regulate any work in, or affecting, navigable waters of the United States. Any such discharge or work requires Department of the Army authorization in the form of a permit.

We are unable to determine from the information provided whether Department of the Army authorization will be required. If a Department of the Army permit is required, the project may be authorized by one or more general permits. For work to be authorized by general permit it must comply with the specifications and conditions of the permit. Projects that would not meet the specifications and conditions of a general permit may require authorization by individual permit.

We encourage you to avoid and minimize adverse impacts to streams, wetlands, and other waters of the United States in planning this project. Please note that it is unlawful to start work without a Department of the Army permit when one is required.

For your information, please refer to the Fort Worth District Regulatory Branch homepage at http://www.swf.usace.army.mil/Missions/regulatory and particularly guidance on submittals at http://media.swf.usace.army.mil/pubdata/environ/Regulatory/introduction/submital.pdf, and mitigation at http://www.swf.usace.army.mil/Missions/Regulatory/Permitting/Mitigation that may help you supplement your current request or prepare future requests.

If you have any questions about the evaluation of your submittal or would like to request a copy of one of the documents referenced above, please contact Mr. Billy Standridge at the address above or telephone 817-886-1662 and refer to your assigned project number.

Sincerely,

Stephen L Brooks
Chief, Regulatory Division

P.O. Box 4029 Longview, Texas 75606-4029

Phone (903) 234-8443 Fax (903) 234-1641

September 1, 2016

Texas Parks and Wildlife Department Biological and Conservation Data System Resource Protection Division 4200 Smith School Road Austin, TX 78744

Re: Shady Oaks Gun Range Expansion – Environmental Assessment

Dear Sir or Madam:

This letter is to notify you that the Shady Oaks Gun Range is preparing an Environmental Assessment (EA) pursuant to Section 102 of the National Environmental Policy Act (NEPA) as implemented by the regulations promulgated by the Council on Environmental Quality (40 Code of Federal Regulations Parts 1500-1508). Financial assistance for this project is being provided through a grant under the Wildlife and Sport Fish Restoration Program from the United States Fish and Wildlife Service (USFWS) that will be administered by the Texas Parks and Wildlife Department (TPWD).

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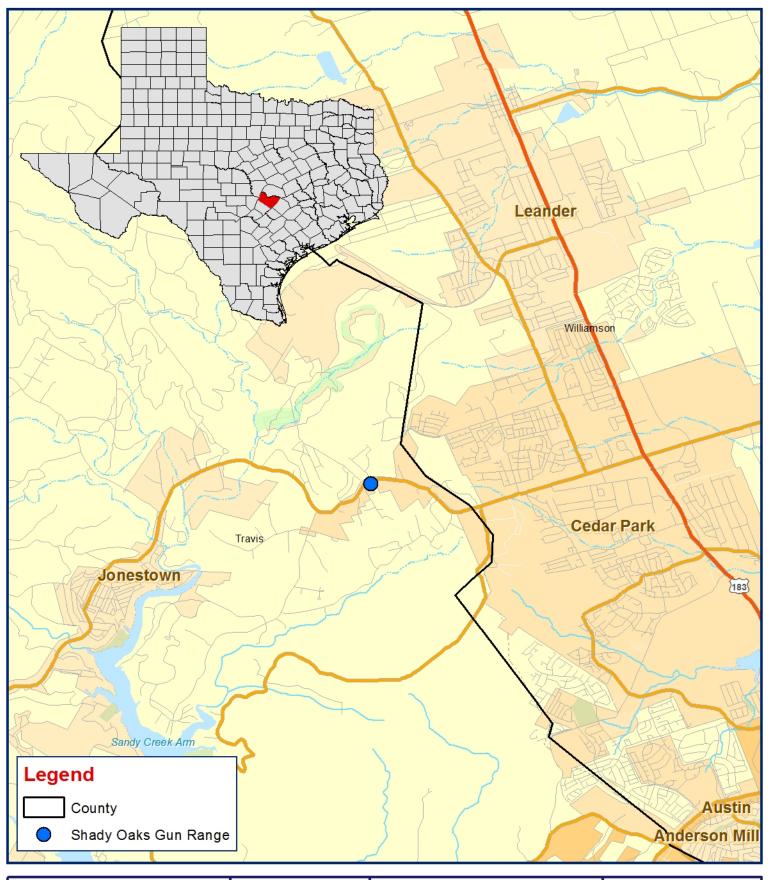
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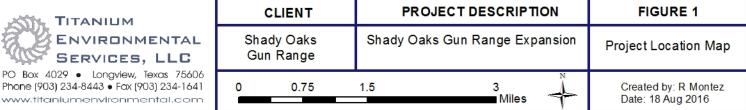
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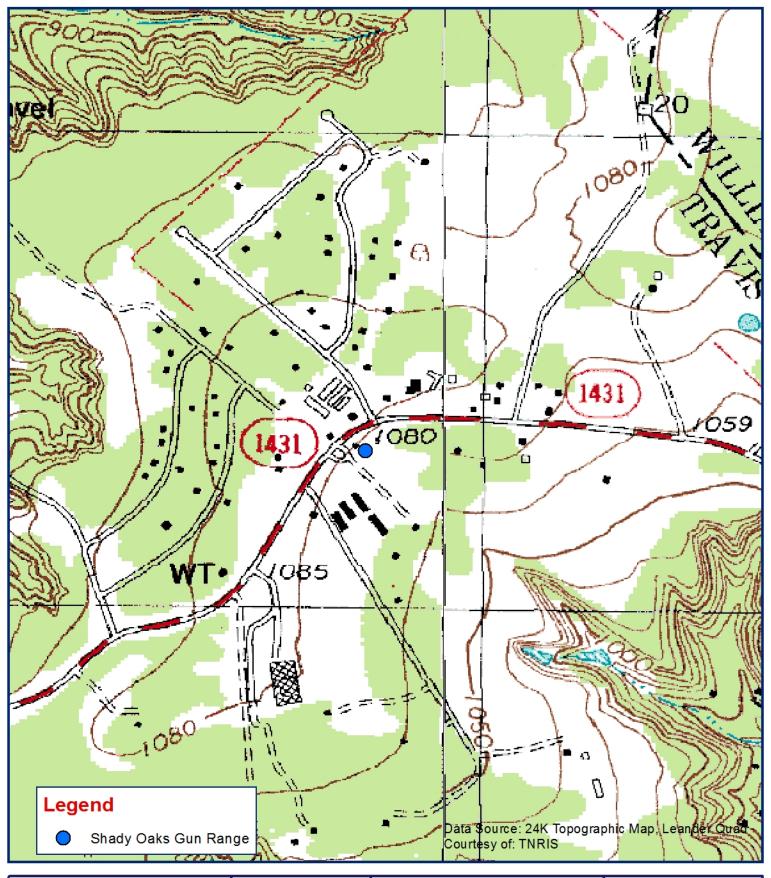
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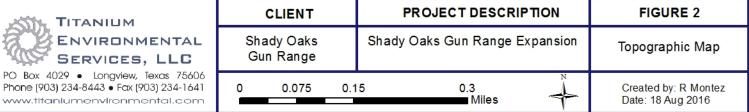
Dan Murphy Project Manager

Attachments









P.O. Box 4029 Longview, Texas 75606-4029

Phone (903) 234-8443 Fax (903) 234-1641

September 1, 2016

Mark Wolfe State Historic Preservation Officer Texas Historical Commission P.O. Box 12276 Austin, TX 78711-2276

Re: Shady Oaks Gun Range Expansion – Environmental Assessment

Dear Mr. Wolfe:

This letter is to notify you that the Shady Oaks Gun Range is preparing an Environmental Assessment (EA) pursuant to Section 102 of the National Environmental Policy Act (NEPA) as implemented by the regulations promulgated by the Council on Environmental Quality (40 Code of Federal Regulations Parts 1500-1508). Financial assistance for this project is being provided through a grant under the Wildlife and Sport Fish Restoration Program from the United States Fish and Wildlife Service (USFWS) that will be administered by the Texas Parks and Wildlife Department (TPWD).

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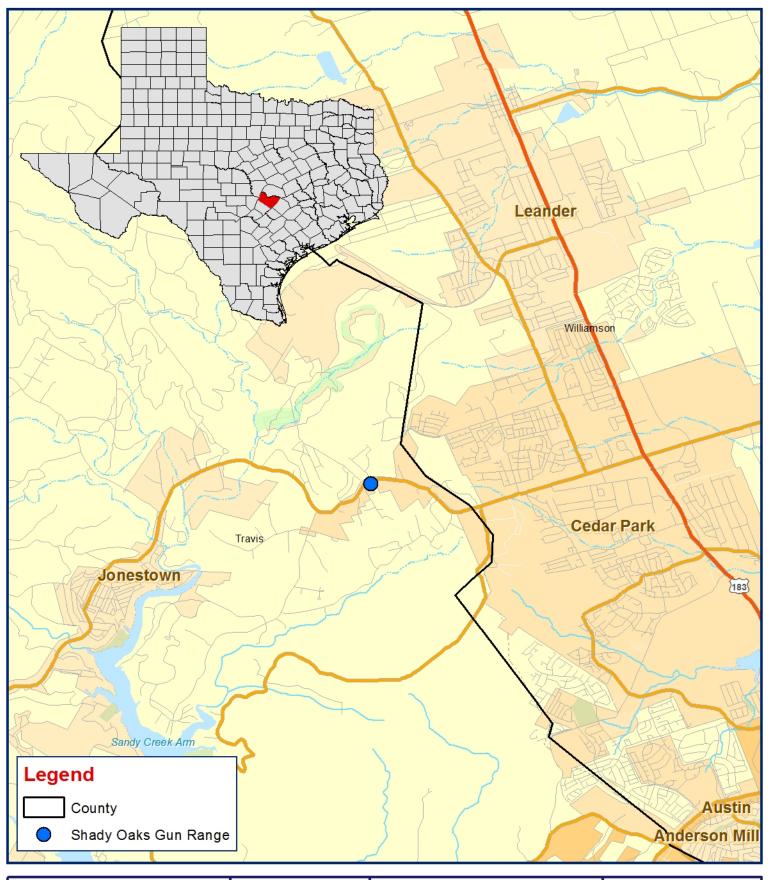
Stone Point Services, LLC will be providing the THC a cultural resources survey report for the project area very soon.

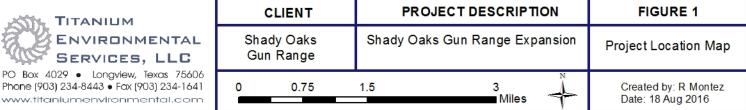
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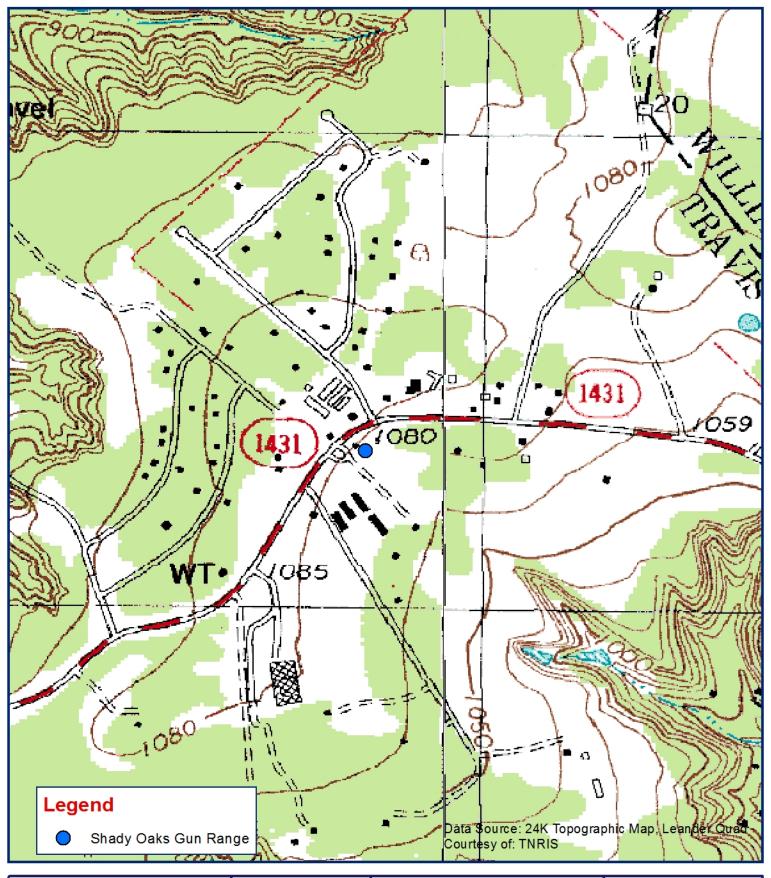
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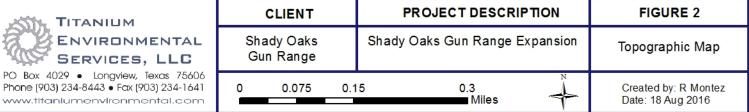
Dan Murphy Project Manager

Attachments





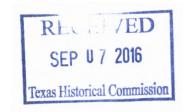




Phone (903) 234-8443 Fax (903) 234-1641

September 1, 2016

Mark Wolfe State Historic Preservation Officer Texas Historical Commission P.O. Box 12276 Austin, TX 78711-2276



Re: Shady Oaks Gun Range Expansion - Environmental Assessment

Dear Mr. Wolfe:

This letter is to notify you that the Shady Oaks Gun Range is preparing an Environmental Assessment (EA) pursuant to Section 102 of the National Environmental Policy Act (NEPA) as implemented by the regulations promulgated by the Council on Environmental Quality (40 Code of Federal Regulations Parts 1500-1508). Financial assistance for this project is being provided through a grant under the Wildlife and Sport Fish Restoration Program from the United States Fish and Wildlife Service (USFWS) that will be administered by the Texas Parks and Wildlife Department (TPWD).

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Sincerely,

Dan Murphy Project Manager

Attachments

C: Vince McElhaney (SOGR)

Renán Zambrano (TPWD – Target Range Grants)

for Mark Wolfe Executive Director,

Date. Track#.

Phone (903) 234-8443 Fax (903) 234-1641

September 1, 2016

Texas Commission on Environmental Quality Water Quality – MC-148 P.O. Box 13087 Austin, TX 78711-3087

Re: Shady Oaks Gun Range Expansion – Environmental Assessment

Dear Sir or Madam:

This letter is to notify you that the Shady Oaks Gun Range is preparing an Environmental Assessment (EA) pursuant to Section 102 of the National Environmental Policy Act (NEPA) as implemented by the regulations promulgated by the Council on Environmental Quality (40 Code of Federal Regulations Parts 1500-1508). Financial assistance for this project is being provided through a grant under the Wildlife and Sport Fish Restoration Program from the United States Fish and Wildlife Service (USFWS) that will be administered by the Texas Parks and Wildlife Department (TPWD).

The Proposed Action consists of the Shady Oaks Gun Range (SOGR) expanding its existing gun range facility to accommodate and increase shooting and training opportunities for women, youth, and disabled persons. The SOGR is located at 3100 Woodall Drive, Cedar Park, Travis County, Texas (Figures 1 and 2). There are four areas of proposed construction associated with the SOGR expansion which include the following:

- 1) A dedicated hunter education and archery and beginning firearms safety and proficiency class facility along with dedicated storage.
- 2) A 27-foot wide by 126-foot uncovered outdoor archery training platform that would extend from the existing retail/shooting range toward the southern property boundary.
- 3) An additional 15 parking spaces, new fire lane, and a new private fire hydrant directly east of the existing parking lot located on the east side of the existing SOGR retail and gun range buildings.
- 4) A temporary construction staging area with concrete washout area located along Woodall Drive directly northeast of the current SOGR main parking lot.

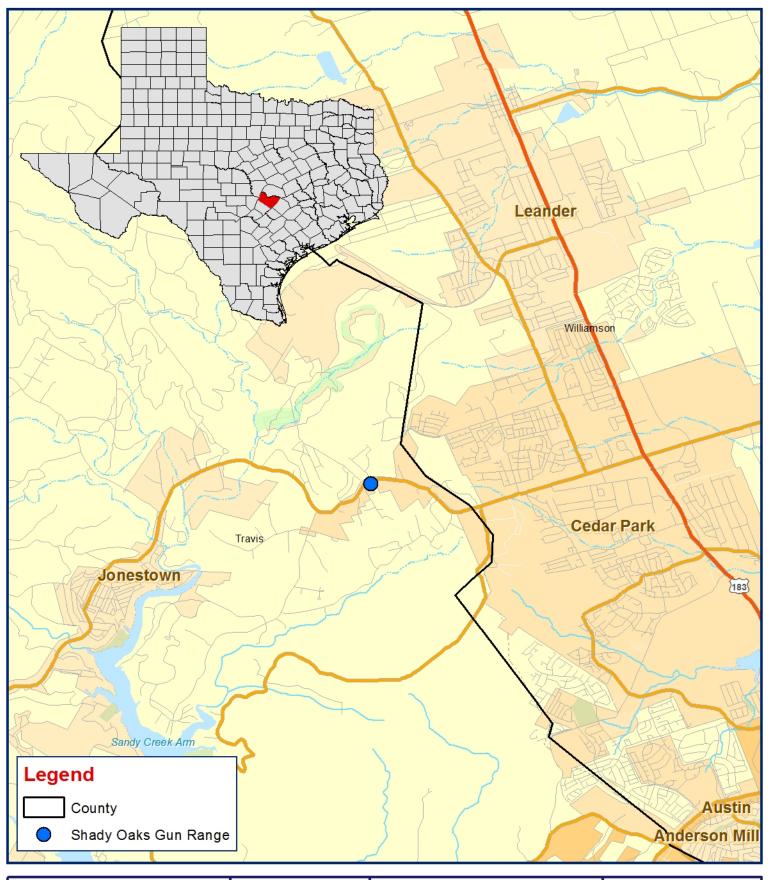
The EA will describe the need for and purpose of the proposed project, alternatives under consideration, the affected environment, and will assess the potential environmental effects of the alternatives.

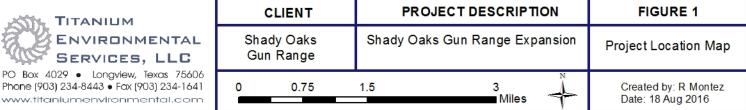
Please send any correspondence and information regarding this request to the attention of Mr. Patrick Ireland at Titanium Environmental Services, LLC, at P.O. Box 4029, Longview, TX 75606. If you have any questions regarding this matter, he can be contacted by phone at (903) 234-8443 or by e-mail at pireland@titaniumenvironmental.com. Thank you for your consideration of this request.

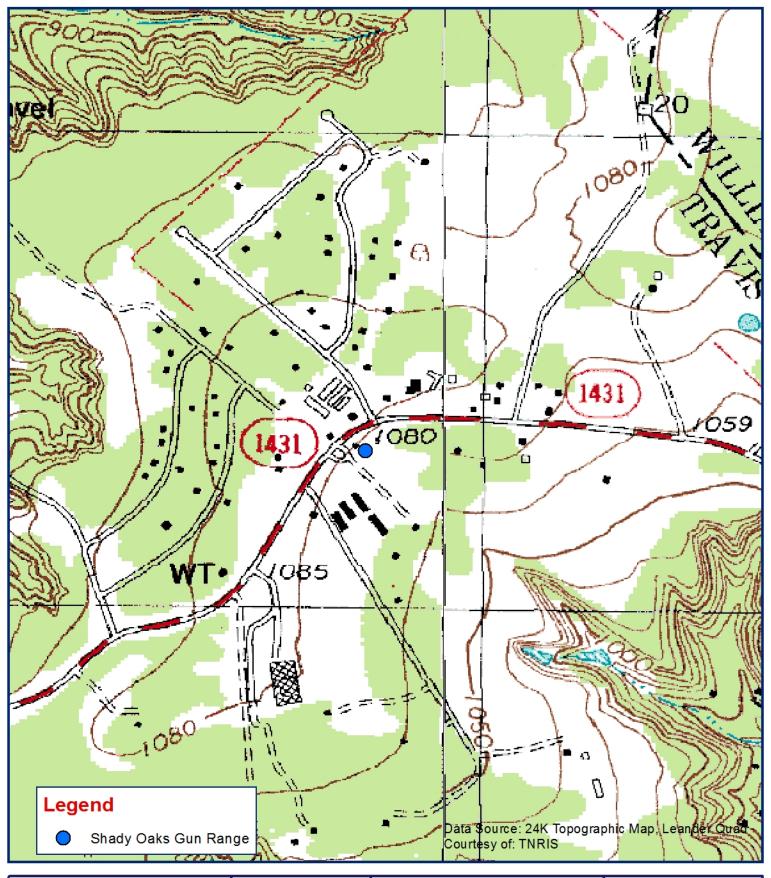
Sincerely,

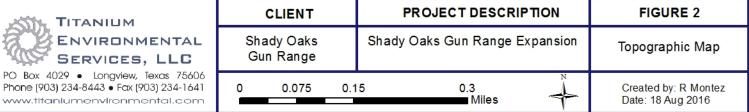
Dan Murphy Project Manager

Attachments









Phone (903) 234-8443 Fax (903) 234-1641

September 1, 2016

Texas Commission on Environmental Quality Air Quality – MC-163 P.O. Box 13087 Austin, TX 78711-3087

Re: Shady Oaks Gun Range Expansion – Environmental Assessment

Dear Sir or Madam:

This letter is to notify you that the Shady Oaks Gun Range is preparing an Environmental Assessment (EA) pursuant to Section 102 of the National Environmental Policy Act (NEPA) as implemented by the regulations promulgated by the Council on Environmental Quality (40 Code of Federal Regulations Parts 1500-1508). Financial assistance for this project is being provided through a grant under the Wildlife and Sport Fish Restoration Program from the United States Fish and Wildlife Service (USFWS) that will be administered by the Texas Parks and Wildlife Department (TPWD).

The Proposed Action consists of the Shady Oaks Gun Range (SOGR) expanding its existing gun range facility to accommodate and increase shooting and training opportunities for women, youth, and disabled persons. The SOGR is located at 3100 Woodall Drive, Cedar Park, Travis County, Texas (Figures 1 and 2). There are four areas of proposed construction associated with the SOGR expansion which include the following:

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The EA will describe the need for and purpose of the proposed project, alternatives under consideration, the affected environment, and will assess the potential environmental effects of the alternatives.

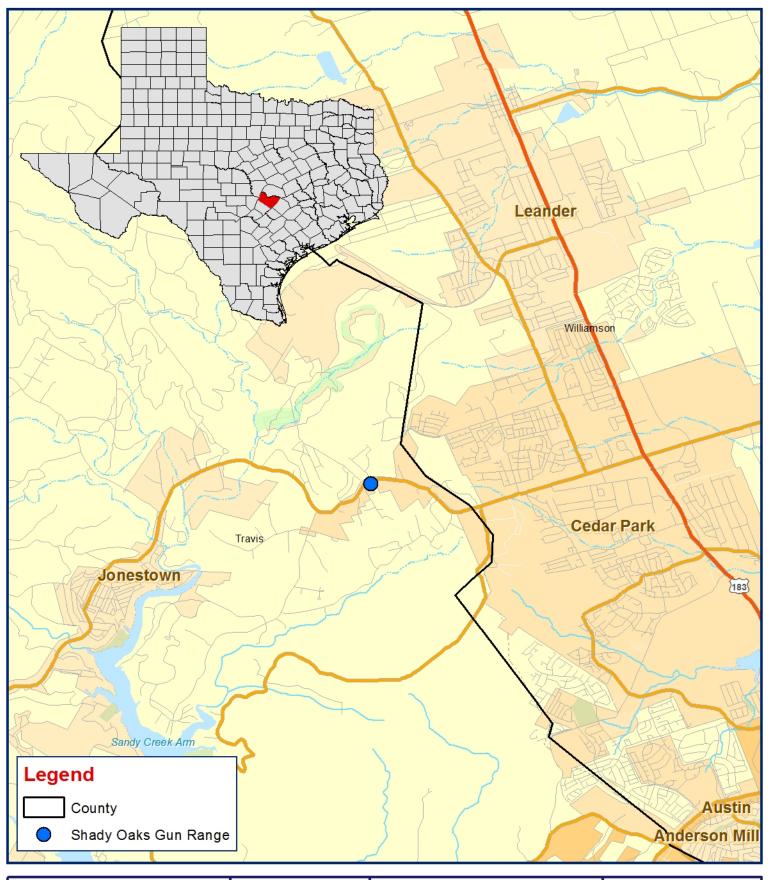
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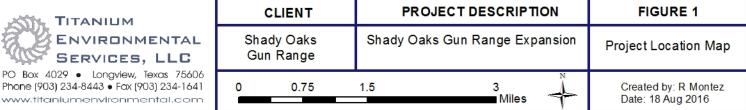
Sincerely,

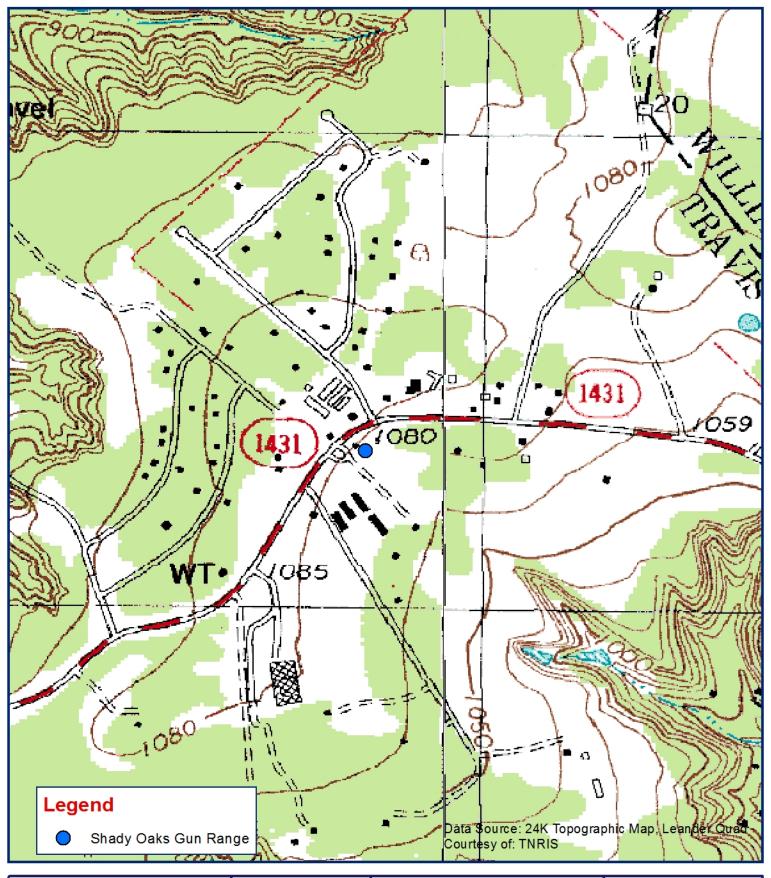
Dan Murphy Project Manager

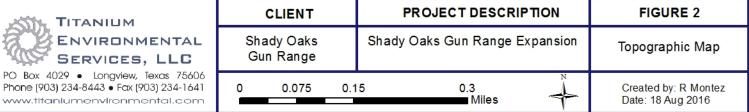
Dan Murp

Attachments









Bryan W. Shaw, Ph.D., P.E., Chairman Toby Baker, Commissioner Jon Niermann, Commissioner Richard A. Hyde, P.E., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 16, 2016

Mr. Patrick Ireland Titanium Environmental Services, LLC P.O. Box 4029 Longview, Texas 75606

Re: TCEQ NEPA Request #2016-160, Shady Oaks Gun Range Expansion, City of Cedar Park, Travis County

Dear Ms. Ireland:

The Texas Commission on Environmental Quality (TCEQ) has reviewed the abovereferenced project and offers the following comments:

A review of the project for general conformity impact in accordance with 40 CFR Part 93 indicates that the proposed action is located in Travis County, which is currently unclassified or in attainment of the National Ambient Air Quality Standards for all six criteria air pollutants. Therefore, general conformity rules do not apply.

We recommend the environmental assessment address actions that will be taken to prevent surface and groundwater contamination.

Any debris or waste disposal should be at an appropriately authorized disposal facility.

Thank you for the opportunity to review this project. If you have any questions, please contact the agency NEPA Coordinator, at (512) 239-3500 or NEPA@tceq.texas.gov.

Sincerely,

Mark Harmon Division Director

Mark Harmon

Intergovernmental Relations

Phone (903) 234-8443 Fax (903) 234-1641

September 1, 2016

United States Environmental Protection Agency 1445 Ross Avenue, Suite 1200 Dallas. TX 75202

Re: Shady Oaks Gun Range Expansion – Environmental Assessment

Dear Sir or Madam:

This letter is to notify you that the Shady Oaks Gun Range is preparing an Environmental Assessment (EA) pursuant to Section 102 of the National Environmental Policy Act (NEPA) as implemented by the regulations promulgated by the Council on Environmental Quality (40 Code of Federal Regulations Parts 1500-1508). Financial assistance for this project is being provided through a grant under the Wildlife and Sport Fish Restoration Program from the United States Fish and Wildlife Service (USFWS) that will be administered by the Texas Parks and Wildlife Department (TPWD).

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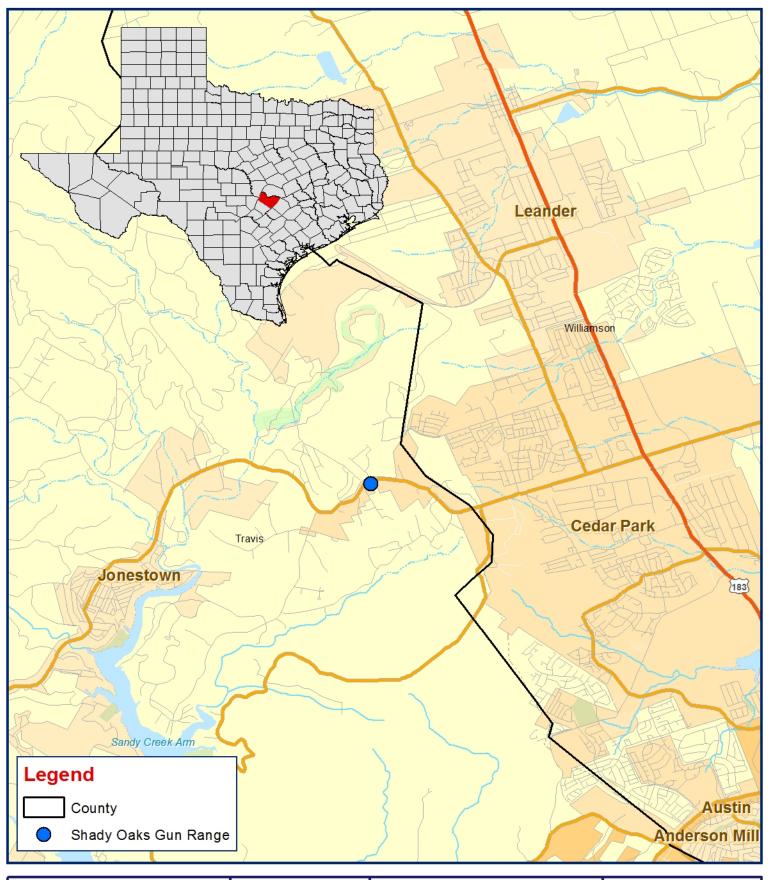
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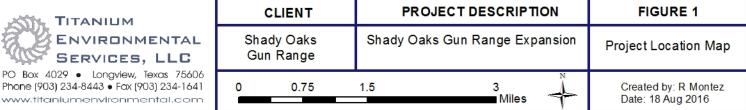
Please send any correspondence and information regarding this request to the attention of Mr. Patrick Ireland at Titanium Environmental Services, LLC, at P.O. Box 4029, Longview, TX 75606. If you have any questions regarding this matter, he can be contacted by phone at (903) 234-8443 or by e-mail at pireland@titaniumenvironmental.com. Thank you for your consideration of this request.

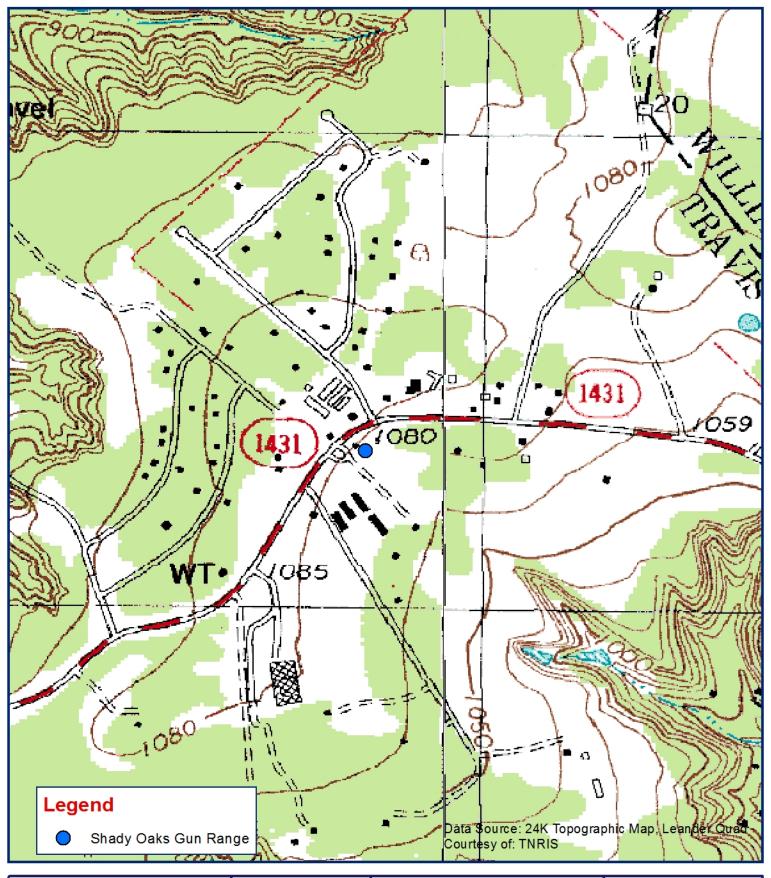
Sincerely,

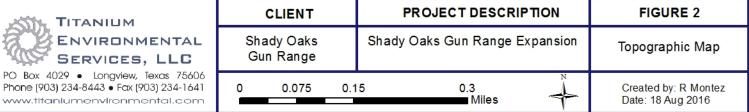
Dan Murphy Project Manager

Attachments









Appendix D

Hazardous Materials Database Search Results



Questions or Comments >>

Query Home

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TCEQ Home

Central Registry Query - Regulated Entity Information

Regulated Entity Information

RN Number: RN101719706

Name: TRAVIS COUNTY PCT 3 CITIZEN COLLECTION STATION View Prior Names

Primary Business: CITIZEN COLLECTION STATION

Street Address: 16412 FM 1431, LEANDER TX 78641

County: TRAVIS

Nearest City: AUSTIN

State: TX

Near ZIP Code: 78641

Physical Location: 2.5 MILES W OF US HIGHWAY 183 N OF FM 1431 TRAVIS COUNTY PRECINCT 2

Affiliated Customers - Current

Your Search Returned 2 Current Affiliation Records (View Affiliation History)

The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.

1-2 of 2 Records

CN Number 🔺	Customer Name Customer Role(s)		Details
CN600338388	TRAVIS COUNTY	OWNER OPERATOR	
CN601540305	DURHAM, CHARLES E	N/A	

Industry Type Codes

Code	Classification	Name		
No NAICS or SIC Codes on file.				

Permits, Registrations, or Other Authorizations

There is **1** program and ID for this regulated entity.

1-1 of 1 Records

Program	ID Type	ID Number	ID Status
MUNICIPAL SOLID WASTE DISPOSAL	PERMIT	685	ACTIVE

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TCEQ Home

Central Registry Query - Regulated Entity Information

Regulated Entity Information

RN Number: RN102829074

Name: HUR ENTERPRISES View Prior Names

Primary Business: INDUSTRIAL CHEMICAL MANUFACTURING PLANT

Street Address: 16812 FM 1431, LEANDER TX 78641

County: TRAVIS

Nearest City: No near city on file.

State: TX

Near ZIP Code: 78641

Physical Location: No physical location description ON file.

Affiliated Customers - Current

Your Search Returned 1 Current Affiliation Records (View Affiliation History)

The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.

1-1 of 1 Records

CN Number	Customer Name	Customer Role(s)	Details
CN600411219	HUR ENTERPRISES INC	OWNER	

Industry Type Codes

Code Classification		Name
No NAICS or SIC Codes		on file.

Permits, Registrations, or Other Authorizations

There is **1** program and ID for this regulated entity.

1-1 of 1 Records

Program	ID Type	ID Number	ID Status
PETROLEUM STORAGE TANK REGISTRATION	REGISTRATION	69379	INACTIVE

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Central Registry Query - Regulated Entity Search Results List

The regulated entity name search looks for current and prior customer names. Therefore, the result list could return a name that doesn't exactly match the search criteria.

Your Search Returned **65** Records. Click on a column name to change the sort or a RN to view the regulated entity information.

Page < 1 2 51-65 of 65 Records

RN Number	Regulated Entity Name	County	Location
RN101494615	STORE PROPERTIES	WILLIAMSON	HWY 183
RN102245206	TETCO 1147 DBA CENTURY FOOD STORE	WILLIAMSON	500 S BELL BLVD CEDAR PARK TX 78613 2945
RN102456472	TETCO 50	WILLIAMSON	3001 E WHITESTONE BLVD CEDAR PARK TX 78613 6929
RN102151347	TEXACO SERVICE STATION	WILLIAMSON	602 N BELL BLVD CEDAR PARK TX 78613 2216
RN102840261	TEXAN MARKET CONVENIENCE STORE	WILLIAMSON	3201 BRUSHY CREEK RD CEDAR PARK TX 78613
RN101641819	TUNEUP MASTERS OF TEXAS	WILLIAMSON	719 N BELL BLVD CEDAR PARK TX 78613 2209
RN105072839	TWIN CREEK COUNTRY CLUB	WILLIAMSON	3201 TWIN CREEKS CLUB DR CEDAR PARK TX 78613 1590
RN101696623	TXDOT TRAVIS NORTH MAINTENANCE FACILITY	WILLIAMSON	2001 W WHITESTONE BLVD CEDAR PARK TX 78613 7206
RN102389970	US RENTALS	WILLIAMSON	609 N BELL BLVD CEDAR PARK TX 78613 2215
RN102378627	VALERO CORNER STORE 1444	WILLIAMSON	901 W WHITESTONE BLVD CEDAR PARK TX 78613 7156
RN106519515	VALERO CORNER STORE 1550	WILLIAMSON	1221 E NEW HOPE DR CEDAR PARK TX 78613
RN102729142	WAL-MART 2991	WILLIAMSON	201 WALTON WAY CEDAR PARK TX 78613 7016
RN106904246	WALMART SUPERCENTER 4163	WILLIAMSON	2801 E WHITESTONE BLVD CEDAR PARK TX 78613 7273

RN101519791	WHITESTONE DEVELOPMENT	TRAVIS	900 W WHITESTONE BLVD CEDAR PARK TX 78613 7151
RN105332761	WHITESTONE MEDICAL PAVILION MURPHY EXPRESS	WILLIAMSON	1454 E WHITESTONE BLVD CEDAR PARK TX 78613 9019

Page < 1 2 51-65 of 65 Records

The following search criteria was entered:

Program Area: PSTREG City: CEDAR PARK

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Your Search Returned **65** Records. Click on a column name to change the sort or a RN to view the regulated entity information.

Page 1 2 > 1-50 of 65 Records

RN Number	Regulated Entity Name▲	County	Location
RN102034014	7 ELEVEN 27638	WILLIAMSON	1904 N BELL BLVD CEDAR PARK TX 78613 7405
RN102063062	7 ELEVEN STORE 17395	WILLIAMSON	2001 GREAT VALLEY DR CEDAR PARK TX 78613 5409
RN102041688	7 ELEVEN STORE 29269	WILLIAMSON	1020 N BELL BLVD CEDAR PARK TX 78613 2125
RN102931912	7-ELEVEN 33112	WILLIAMSON	1515 CYPRESS CREEK RD CEDAR PARK TX 78613 3607
RN109250126	7-ELEVEN 37726	WILLIAMSON	1220 E NEW HOPE DR CEDAR PARK TX 78613 6311
RN104441142	7-ELEVEN STORE 36556	WILLIAMSON	2901 BRUSHY CREEK RD CEDAR PARK TX 78613 4103
RN104004858	7-ELEVEN STORE 36581	WILLIAMSON	1900 BAGDAD RD CEDAR PARK TX 78613 6425
RN102931862	7-ELEVEN STORE 36596	WILLIAMSON	1801 S LAKELINE BLVD CEDAR PARK TX 78613 3866
RN102261138	BARNES ONE STOP	WILLIAMSON	605 N BELL BLVD CEDAR PARK TX 78613 2264
RN101444875	BREAK AWAY AIRPORT	WILLIAMSON	700 BREAKAWAY RD CEDAR PARK TX 78613 3302
RN102425055	BRUSHY CREEK PLANT	WILLIAMSON	4001 E WHITESTONE BLVD CEDAR PARK TX 78613 6947
RN105302202	BRUSHY CREEK READY MIX PLANT	TRAVIS	3975 E WHITESTONE BLVD CEDAR PARK TX 78613 6924
RN101697365	BUTTERCUP CONVENIENCE STORE	WILLIAMSON	1050 CLUCK CREEK TRL CEDAR PARK TX 78613 4552
RN102654548	CEDAR PARK EXXON RS 60002	WILLIAMSON	1000 N BELL BLVD CEDAR PARK TX 78613 7078

		. , ,	
RN102782612	CEDAR PARK QUICK MART	WILLIAMSON	901 S BELL BLVD CEDAR PARK TX 78613 3814
RN104993456	CEDAR PARK REGIONAL MEDICAL CENTER	WILLIAMSON	NE CORNER OF 183A TOLL RD AND RM 1431
RN101495539	CHERRY FOOD MART	WILLIAMSON	430 N BELL BLVD CEDAR PARK TX 78613 2220
RN106021173	CIRCLE K STORE 2704679	WILLIAMSON	900 S BELL BLVD CEDAR PARK TX 78613 3815
RN105771273	CITY OF CEDAR PARK FIELD OPERATIONS FACILITY	WILLIAMSON	2401 183A TOLL RD CEDAR PARK TX 78613 3154
RN106948094	COCOS CORNER	WILLIAMSON	15101 ANDERSON MILL RD CEDAR PARK TX 78613 2624
RN105147250	CORESLAB STRUCTURES TEXAS	WILLIAMSON	15916 ANDERSON MILL RD CEDAR PARK TX 78613 7470
RN106817257	COSTCO GASOLINE	WILLIAMSON	4601 BUILDING B 183A TOLL ROAD CEDAR PARK TX 78613
RN102373560	DAVIDS ONE STOP	WILLIAMSON	602 S BELL BLVD CEDAR PARK TX 78613 3821
RN102024247	FIRESTONE TIRE & SERVICE CTR	WILLIAMSON	12326 N HWY 620 CEDAR PARK TX 78613
RN108196593	FIZOLA MARKET	WILLIAMSON	700 N VISTA RIDGE BLVD CEDAR PARK TX 78613 2187
RN108323700	FOOD BOX	TRAVIS	13303 ANDERSON MILL RD CEDAR PARK TX 78613
RN102963253	HEB 265	WILLIAMSON	1110 N BELL BLVD CEDAR PARK TX 78613 7042
RN104929187	HEB 580	WILLIAMSON	2600 E WHITESTONE BLVD CEDAR PARK TX 78613 7377
RN101489904	INDIAN SPRINGS COUNTRY STORE	TRAVIS	3031 W WHITESTONE BLVD CEDAR PARK TX 78613 7225
RN101861508	JACK BROWN CLEANERS 14	WILLIAMSON	801 N BELL BLVD CEDAR PARK TX 78613 2212
RN106368061	JC COMMUNICATION	WILLIAMSON	2301 W WHITESTONE BLVD CEDAR PARK TX 78613 7233
RN106435316	LAKELINE XPRESS MART	WILLIAMSON	2004 N LAKELINE BLVD CEDAR PARK TX 78613 6903
RN101492627	LEANDER ISD TRANSPORTATION FACILITY	WILLIAMSON	1701 W NEW HOPE DR CEDAR PARK TX 78613 6020
RN100523281	LUBE PIT STOP 2948	WILLIAMSON	400 N BELL BLVD CEDAR PARK TX 78613 2220
RN102491131	MISTER CAR WASH 302 BELL	WILLIAMSON	111 S BELL BLVD CEDAR PARK TX 78613 2911
RN103989893	MURPHY USA 6745	WILLIAMSON	201 WALTON WAY CEDAR PARK TX 78613 7016
RN102269818	NEIGHBORHOOD FOOD MART	WILLIAMSON	2509 S BELL BLVD CEDAR PARK TX 78613 4769
RN108802471	NEW SITE	WILLIAMSON	801 OLD MILL RD CEDAR PARK TX 78613

RN102649555	PACKER PETES	WILLIAMSON	720 S BELL BLVD CEDAR PARK TX 78613 3828
RN101696656	PARK N SAK 2	WILLIAMSON	1405 W WHITESTONE BLVD CEDAR PARK TX 78613 7159
RN102462660	PARK N SAK II	WILLIAMSON	1410 W WHITESTONE BLVD CEDAR PARK TX 78613 7154
RN102395035	PAYLESS GAS 023	WILLIAMSON	HWY 183
RN101433605	PEC CEDAR PARK DISTRICT OFFICE	WILLIAMSON	1949 W WHITESTONE BLVD CEDAR PARK TX 78613 7200
RN103058202	POWER STOP 2	WILLIAMSON	12304 RR 620 CEDAR PARK TX 78613
RN102244571	QUICKIE PICKIE	WILLIAMSON	314 S BELL BLVD CEDAR PARK TX 78613 2908
RN102397478	QUIX 476	WILLIAMSON	1906 N BELL BLVD CEDAR PARK TX 78613 6485
RN104524103	RANGER EXCAVATING	WILLIAMSON	13321 LIMECREEK RD CEDAR PARK TX 78613 7202
RN102377777	RIVIERA EXXON	WILLIAMSON	2305 S BELL BLVD CEDAR PARK TX 78613 4701
RN102348265	SAFEWAY 1896	WILLIAMSON	1430 CYPRESS CREEK RD CEDAR PARK TX 78613 3605
RN105839492	SIGNATURE 12	WILLIAMSON	1601 E WHITESTONE BLVD CEDAR PARK TX 78613 7009

Page 1 2 > 1-50 of 65 Records

The following search criteria was entered:

Program Area: PSTREG City: CEDAR PARK

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Central Registry Query - Regulated Entity Information

Regulated Entity Information

RN Number: RN101494318

Name: ENGINE REBUILDERS SERVICE

Primary Business: WHOLESALE

Street Address: 16816 FM 1431, LEANDER TX 78641

County: TRAVIS

Nearest City: No near city on file.

State: TX

Near ZIP Code: 78641

Physical Location: No physical location description ON file.

Affiliated Customers - Current

Your Search Returned 2 Current Affiliation Records (View Affiliation History)

The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.

1-2 of 2 Records

CN Number 🔺	Customer Name	Customer Role(s)	Details
CN600782312	MURPHY PAUL C	OWNER	
CN604438093	MURPHY, PAUL	OWNER	

Industry Type Codes

Code Classification		Name
No NAICS or SIC Codes		on file.

Permits, Registrations, or Other Authorizations

There are a total of **2** programs and IDs for this regulated entity. Click on a column name to change the sort order.

1-2 of 2 Records

Program▲	ID Type	ID Number	ID Status
LEAKING PETROLEUM STORAGE TANKS REMEDIATION	ID NUMBER	104077	INACTIVE
PETROLEUM STORAGE TANK REGISTRATION	REGISTRATION	62763	INACTIVE

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TCEQ Home

Central Registry Query - Regulated Entity Information

Regulated Entity Information

RN Number: RN105938526

Name: CDN SYSTEMS

Primary Business: No primary business description on file.

Street Address: 12510 TRAILS END RD, LEANDER TX 78641 5834

County: TRAVIS

Nearest City: CEDAR PARK

State: TX

Near ZIP Code: 78641

Physical Location: GO W ON 1431 AND RIGH OON TRAILS END RD, SITE 2 BLOCKS ON RIGHT

Affiliated Customers - Current

Your Search Returned 1 Current Affiliation Records (View Affiliation History)

The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.

1-1 of 1 Records

CN Number	Customer Name	Customer Role(s)	Details
CN603679044	CDN SYSTEMS LLC	OWNER OPERATOR	

Industry Type Codes

Code	Classification	Name	
5093	SIC	Scrap and Waste Materials	
5999	SIC	Miscellaneous Retail Stores	

Permits, Registrations, or Other Authorizations

There are a total of **3** programs and IDs for this regulated entity. Click on a column name to change the sort order.

1-3 of 3 Records

Program▲	ID Type	ID Number	ID Status
MUNICIPAL SOLID WASTE PROCESSING	PERMIT	100252	ACTIVE
STORMWATER	PERMIT	TXR05CR70	ACTIVE
STORMWATER	PERMIT	TXRNEX554	CANCELLED

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TCEQ Home

Central Registry Query - Regulated Entity Search Results List

The regulated entity name search looks for current and prior customer names. Therefore, the result list could return a name that doesn't exactly match the search criteria.

Your Search Returned **13** Records. Click on a column name to change the sort or a RN to view the regulated entity information.

1-13 of 13 Records

RN Number	Regulated Entity Name	County	Location
RN102063062	7 ELEVEN STORE 17395	WILLIAMSON	2001 GREAT VALLEY DR CEDAR PARK TX 78613 5409
RN104441142	7-ELEVEN STORE 36556	WILLIAMSON	2901 BRUSHY CREEK RD CEDAR PARK TX 78613 4103
RN102261138	BARNES ONE STOP	WILLIAMSON	605 N BELL BLVD CEDAR PARK TX 78613 2264
RN101495539	CHERRY FOOD MART	WILLIAMSON	430 N BELL BLVD CEDAR PARK TX 78613 2220
RN102373560	DAVIDS ONE STOP	WILLIAMSON	602 S BELL BLVD CEDAR PARK TX 78613 3821
RN106988926	ENVIRONMENTAL IMPACT	WILLIAMSON	600 N BELL BLVD CEDAR PARK TX 78613 2216
RN102024247	FIRESTONE TIRE & SERVICE CTR	WILLIAMSON	12326 N HWY 620 CEDAR PARK TX 78613
RN102269818	NEIGHBORHOOD FOOD MART	WILLIAMSON	2509 S BELL BLVD CEDAR PARK TX 78613 4769
RN102649555	PACKER PETES	WILLIAMSON	720 S BELL BLVD CEDAR PARK TX 78613 3828
RN102397478	QUIX 476	WILLIAMSON	1906 N BELL BLVD CEDAR PARK TX 78613 6485
RN102245206	TETCO 1147 DBA CENTURY FOOD STORE	WILLIAMSON	500 S BELL BLVD CEDAR PARK TX 78613 2945
RN102151347	TEXACO SERVICE STATION	WILLIAMSON	602 N BELL BLVD CEDAR PARK TX 78613 2216
RN101696623	TXDOT TRAVIS NORTH MAINTENANCE FACILITY	WILLIAMSON	2001 W WHITESTONE BLVD CEDAR PARK TX 78613 7206

1-13 of 13 Records

The following search criteria was entered:

Program Area: LPSTRMD City: CEDAR PARK

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Your Search Returned **41** Records. Click on a column name to change the sort or a RN to view the regulated entity information.

1-41 of 41 Records

RN Number	Regulated Entity Name County Local		Location
RN100843291	1300 W WHITESTONE BLVD	WILLIAMSON	1300 W WHITESTONE BLVD CEDAR PARK TX 78613 7219
RN101040558	16812 FM 1431	TRAVIS	16812 FM 1431 CEDAR PARK TX 78613 9687
RN100598531	ADVANCED TRANSMISSION PRO	WILLIAMSON	802 N PARK CIR CEDAR PARK TX 78613 2263
RN101631406	1406 ALL CEN TEX		301 BRUSHY CREEK RD CEDAR PARK TX 78613 3146
RN100669043	ALL CEN-TEX SEPTIC & DRAIN SERVICE	WILLIAMSON	707 N PARK CIR CEDAR PARK TX 78613 2208
RN103949087	ATX TECHNOLOGIES	WILLIAMSON	700 S BELL BLVD STE F1 CEDAR PARK TX 78613 3803
RN100599596	AUTO PATCH	WILLIAMSON	2315 S BELL BLVD CEDAR PARK TX 78613 4701
RN105105571	BE&K BUILDING GROUP CEDAR PARK REGIONAL MEDICAL CENTER	WILLIAMSON	1401 MEDICAL PKWY CEDAR PARK TX 78613 7763
RN107793721	BELL STREET SHOPPING CENTER	WILLIAMSON	251 N BELL BLVD CEDAR PARK TX 78613 2952
RN102066222	CEDAR PARK BATCH PLANT 1	WILLIAMSON	609 N BELL BLVD CEDAR PARK TX 78613 2215
RN100660596	CEDAR PARK BODY & FRAME	WILLIAMSON	102 N PARK CIR CEDAR PARK TX 78613 2225
RN102654548	CEDAR PARK EXXON RS 60002	WILLIAMSON	1000 N BELL BLVD CEDAR PARK TX 78613 7078
RN100650134	CHEMSOLVE	WILLIAMSON	3103 VALLEY PIKE RD CEDAR PARK TX 78613 5215

RN105147250	CORESLAB STRUCTURES TEXAS	WILLIAMSON	15916 ANDERSON MILL RD CEDAR PARK TX 78613 7470
RN106885916	COSTCO WHOLESALE 1152	TRAVIS	4601 183A TOLL RD BLDG A CEDAR PARK TX 78613 6310
RN107966897	CVS PHARMACY 8384	WILLIAMSON	851 S BELL BLVD CEDAR PARK TX 78613 3926
RN104673561	CYPRESS CREEK CAMPUS	WILLIAMSON	1555 CYPRESS CREEK RD CEDAR PARK TX 78613 3607
RN101955235	FEATHERLITE BUILDING PRODUCTS	WILLIAMSON	1800 W WHITESTONE BLVD CEDAR PARK TX 78613 7199
RN100703792	FLAME TECHNOLOGIES CEDAR PARK	WILLIAMSON	703 CYPRESS CREEK RD CEDAR PARK TX 78613 4414
RN102865391	H AND R AUTO BODY	WILLIAMSON	2101 N BELL BLVD CEDAR PARK TX 78613 6490
RN106032238	HOME DEPOT USA HD6585	WILLIAMSON	2700 E WHITESTONE BLVD CEDAR PARK TX 78613 7280
RN104543905	IMAGE CLEANERS	WILLIAMSON	13010 W PARMER LN STE 100 CEDAR PARK TX 78613 7322
RN101861508	JACK BROWN CLEANERS 14	WILLIAMSON	801 N BELL BLVD CEDAR PARK TX 78613 2212
RN100577774	KHANS EXXON 1	WILLIAMSON	1000 N BELL BLVD CEDAR PARK TX 78613 7078
RN100647197	MAXIMUM MOTORS	WILLIAMSON	1003 CHERRY LN CEDAR PARK TX 78613 7058
RN100623206	MD TOTCO CEDAR PARK FACILITY	WILLIAMSON	1200 CYPRESS CREEK RD CEDAR PARK TX 78613 3614
RN100678051	MFLEX	WILLIAMSON	1800 N BELL BLVD CEDAR PARK TX 78613 6484
RN100565696	OATES AUTOMOTIVE	WILLIAMSON	2003A N BELL BLVD CEDAR PARK TX 78613 6489
RN102413630	PHILLIPS PETROLEUM STATION 2729	WILLIAMSON	703 N BELL BLVD CEDAR PARK TX 78613 2209
RN100639418	PRECISE MACHINING & ETCHING	WILLIAMSON	800 N PARK CIR CEDAR PARK TX 78613 2263
RN105337075	RAILYARD CLEANERS	WILLIAMSON	601 E WHITESTONE BLVD STE 234 CEDAR PARK TX 78613 9022
RN109029017	RANDALLS STORE 1896	WILLIAMSON	1400 CYPRESS CREEK RD CEDAR PARK TX 78613 4471
RN106350028	TARGET STORE 2342	TRAVIS	1101 C-BAR RANCH TRL LOT 2 CEDAR PARK TX 78613 7595
RN102151347	TEXACO SERVICE STATION	WILLIAMSON	602 N BELL BLVD CEDAR PARK TX 78613 2216
RN102067907	TOM FAIREY	WILLIAMSON	12234 N 620 CEDAR PARK TX 78613
			•

RN105142996	TRI-C CONSTRUCTION CVS PHARMACY 38400	WILLIAMSON	1950 BAGDAD RD CEDAR PARK TX 78613 6425
RN101696623	1101696623 TXDOT TRAVIS NORTH MAINTENANCE FACILITY		2001 W WHITESTONE BLVD CEDAR PARK TX 78613 7206
RN102729142	WAL-MART 2991	WILLIAMSON	201 WALTON WAY CEDAR PARK TX 78613 7016
RN101993954	WALGREENS 3342	WILLIAMSON	710 N BELL BLVD CEDAR PARK TX 78613 2214
RN106904246	WALMART SUPERCENTER 4163	WILLIAMSON	2801 E WHITESTONE BLVD CEDAR PARK TX 78613 7273
RN100610682	WHOLESALE PLAQUE & TABLETS	WILLIAMSON	1806 N BELL BLVD APT B CEDAR PARK TX 78613 6409

1-41 of 41 Records

The following search criteria was entered:

Program Area: IHW City: CEDAR PARK

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Central Registry Query - Regulated Entity Information

Regulated Entity Information

RN Number: RN101696623

Name: TXDOT TRAVIS NORTH MAINTENANCE FACILITY

Primary Business: FLEET REFUELING

Street Address: 2001 W WHITESTONE BLVD, CEDAR PARK TX 78613 7206

County: WILLIAMSON

Nearest City: CEDAR PARK

State: TX

Near ZIP Code: 78613

Physical Location: 1M W OF US 183 ON FM 1431

Affiliated Customers - Current

Your Search Returned 1 Current Affiliation Records (View Affiliation History)

The Customer Name displayed may be different than the Customer Name associated to the Additional IDs related to the customer. This name may be different due to ownership changes, legal name changes, or other administrative changes.

1-1 of 1 Records

CN Number	Customer Name	Customer Role(s)	Details
CN600803456	TEXAS DEPARTMENT OF TRANSPORTATION	OWNER OPERATOR	

Industry Type Codes

Code	Classification	Name
No NAICS or SIC Codes on file		on file.

Permits, Registrations, or Other Authorizations

There are a total of **3** programs and IDs for this regulated entity. Click on a column name to change the sort order.

1-3 of 3 Records

Program▲	ID Type	ID Number	ID Status
IHW CORRECTIVE ACTION	ID NUMBER	F1434	INACTIVE
LEAKING PETROLEUM STORAGE TANKS REMEDIATION	ID NUMBER	107176	INACTIVE
PETROLEUM STORAGE TANK REGISTRATION	REGISTRATION	44992	ACTIVE

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Your Search Returned **2** Records. Click on a column name to change the sort or a RN to view the regulated entity information.

1-2 of 2 Records

RN Num	ber	Regulated Entity Name▲	County	Location
RN10779	93721	BELL STREET SHOPPING CENTER	WILLIAMSON	251 N BELL BLVD CEDAR PARK TX 78613 2952
RN10169	96623	TXDOT TRAVIS NORTH MAINTENANCE FACILITY	WILLIAMSON	2001 W WHITESTONE BLVD CEDAR PARK TX 78613 7206

1-2 of 2 Records

The following search criteria was entered:

Program Area: IHWCA City: CEDAR PARK

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Your Search Returned **22** Records. Click on a column name to change the sort or a RN to view the regulated entity information.

1-22 of 22 Records

RN Number	Regulated Entity Name ▲	County	Location
RN104779541	BEST CLEANERS 5	WILLIAMSON	1775 BAGDAD RD STE A CEDAR PARK TX 78613 6446
RN103966354	CEDAR PARK CLEANERS	WILLIAMSON	1420 CYPRESS CREEK RD STE 600 CEDAR PARK TX 78613 3618
RN105508766	CLEANSMART CLEANERS	WILLIAMSON	2301 S LAKELINE BLVD STE 900 CEDAR PARK TX 78613 4285
RN105626832	CLOTHING CARE CLEANERS	WILLIAMSON	401 CYPRESS CREEK RD STE 300 CEDAR PARK TX 78613 4488
RN103966297	COUNTRY CLEANERS	WILLIAMSON	2051 CYPRESS CREEK RD STE D CEDAR PARK TX 78613 3624
RN103966347	DELUXE CLEANERS 1	WILLIAMSON	1525 CYPRESS CREEK RD CEDAR PARK TX 78613 3603
RN104097621	EXQUISITE CLEANERS	WILLIAMSON	251 N BELL BLVD STE 104 CEDAR PARK TX 78613 2936
RN106589898	FALLS CLEANERS	WILLIAMSON	1201 N LAKELINE BLVD STE 750 CEDAR PARK TX 78613 6931
RN104543905	IMAGE CLEANERS	WILLIAMSON	13010 W PARMER LN STE 100 CEDAR PARK TX 78613 7322
RN101861508	JACK BROWN CLEANERS 14	WILLIAMSON	801 N BELL BLVD CEDAR PARK TX 78613 2212
RN103980330	JACK BROWN CLEANERS 17	WILLIAMSON	2800 E WHITESTONE BLVD CEDAR PARK TX 78613 7273
RN103985446	JACK BROWN CLEANERS 48	WILLIAMSON	200 BUTTERCUP CREEK BLVD CEDAR PARK TX 78613 3708
RN104747530	JACK BROWN CLEANERS 48	WILLIAMSON	109 CYPRESS CREEK RD CEDAR PARK TX 78613 4476
RN107168601	LAPELS DRY CLEANING	WILLIAMSON	1851 S LAKELINE BLVD CEDAR PARK TX 78613 3834
RN104920350	MY CLEANERS & ALTERATIONS	WILLIAMSON	605 S BELL BLVD STE 100 CEDAR PARK TX 78613 3835
RN103955027	PERFECTO CLEANERS	WILLIAMSON	200 S BELL BLVD CEDAR PARK TX 78613 2910

RN105333835	PROFESSIONAL CLEANERS	WILLIAMSON	1540 CYPRESS CREEK RD STE 106 CEDAR PARK TX 78613 3980
RN105337075	RAILYARD CLEANERS	WILLIAMSON	601 E WHITESTONE BLVD STE 234 CEDAR PARK TX 78613 9022
RN104415526	REIDS CLEANERS	WILLIAMSON	1050 N LAKELINE BLVD STE 101 CEDAR PARK TX 78613 6773
RN103959730	RICKS CLEANERS	WILLIAMSON	850 N BELL BLVD STE 304 CEDAR PARK TX 78613 2211
RN105607402	STAR BRITE CLEANERS	WILLIAMSON	12800 W PARMER LN STE 212 CEDAR PARK TX 78613 7721
RN104919881	VILLAGE CLEANERS 5	WILLIAMSON	202 WALTON WAY STE 114 CEDAR PARK TX 78613 7046

1-22 of 22 Records

The following search criteria was entered:

Program Area: DRYCLEAN

City: CEDAR PARK

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Search for a person, organization, place, or thing that is of environmental interest to the TCEQ, where regulatory activities or interest to us occur or have occurred in the past.

No results were found for the criteria you entered. Please try again. For hints on searching for Central Registry data, please see the **Search Hints** page.

ption 1: Enter a Regulated	Entity Reference Number (RN):	
RN Number 🥝 : 📗	(9 digits or RN + 9 digits) Search	
ption 2: Complete one or m	ore of these fields:	
Regulated Entity:	(Name or part of name 2-40 characters.)	
Program: [BROWNFIELD SITE ASSESSMENT PROGRAM ▼	
Program ID:	(Permit, registration, or other program identifier.)	
ID Status: [▼ (ID status, only used if program or ID entered.)	
Street Address 🦦:	(3-35 characters.)	
City:	CEDAR PARK (Enter complete or partial city name, 3-30 characters.)	
	(Must be numeric and 5 digits.)	
ZIP Code:		

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Search Parameters:

API Link for Report Data: (Copy and paste the link below to view the data from this report)

http://iaspub.epa.gov/enviro/efservice/multisystem/minLatitude/30.490769/ma









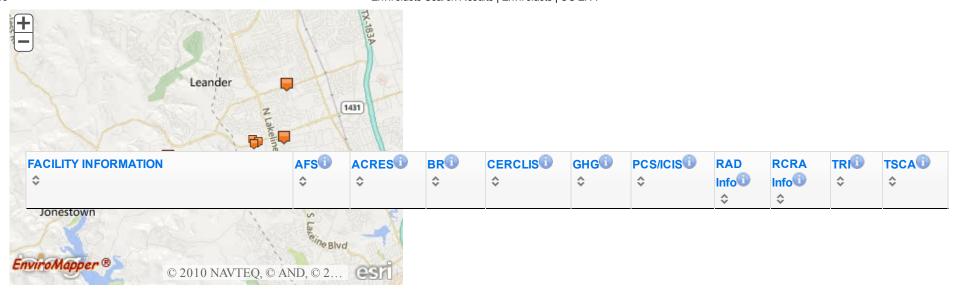




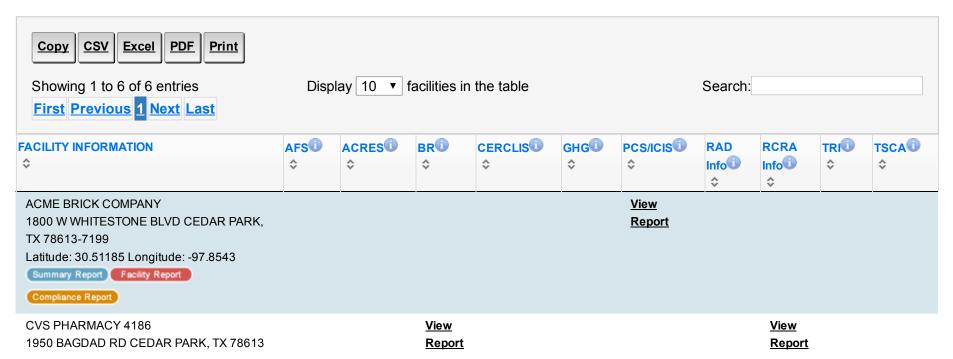
Envirofacts Links

- EF Overview
- Search
- Model
- Data Update
- Multisystem Search User Guide
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LIST OF EPA-REGULATED FACILITIES IN ENVIROFACTS



Latitude: 30.53028 Longitude: -97.8451 Summary Report Facility Report Compliance Report		
HUTCHS BODY SHOP 1300 W WHITESTONE BLVD CEDAR PARK, TX 78613 Latitude: 30.51453 Longitude: -97.84608 Summary Report Facility Report Compliance Report		<u>View</u> <u>Report</u>
SURREY INC 13110 TRAILS END RD LEANDER, TX 78641 Latitude: 30.508924 Longitude: -97.886512 Summary Report Facility Report Compliance Report		<u>View</u> <u>Report</u>
TEXAS DEPARTMENT OF TRANSPORTATION 2001 W WHITESTONE BLVD CEDAR PARK, TX 786137206 Latitude: 30.51428 Longitude: -97.85812 Summary Report Facility Report Compliance Report		<u>View</u> <u>Report</u>
TRAILS END RECYLING 12510 TRAILS END RD LEANDER, TX 78641 Latitude: 30.50585 Longitude: -97.88844 Summary Report Facility Report Compliance Report		<u>View</u> <u>Report</u>
Showing 1 to 6 of 6 entries First Previous 1 Next Last	Display 10 ▼ facilities in the table	Search:

Total Number of Facilities Retrieved: 6

Appendix E

Intra-Service Section 7 Biological Evaluation Form

INTRA-SERVICE SECTION 7 BIOLOGICAL EVALUATION FORM

Originating Person: Kelly Oliver-Amy/Jeff Williams **Telephone Number:** (505) 248-7457/(903) 234 - 8443

Date: February 8, 2017

I. Region: Southwest Region 2

II. Service Activity (i.e. Grant Program):

Wildlife Restoration, TX-W-177-D-1 Shady Oaks Gun Range

III. Pertinent Species and Habitat:

A. Listed Species and/or Their Critical Habitat within the Action Area:

SPECIES/CRITICAL HABITAT	STATUS
Golden-cheeked Warbler (Setophaga chrysoparia)	Endangered
Bee Creek Cave Harvestman ¹ (<i>Texella reddelli</i>)	Endangered
Bone Cave Harvestman ¹ (<i>Texella reyesi</i>)	Endangered
Tooth Cave Pseudoscorpion ¹ (<i>Tartarocreagris texana</i>)	Endangered
Tooth Cave Spider ¹ (<i>Tayshaneta myopica</i>)	Endangered
Kretschmarr Cave Mold Beetle ¹ (<i>Texamaurops reddelli</i>)	Endangered
Tooth Cave Ground Beetle ¹ (Rhadine Persephone)	Endangered

¹Known collectively as Karst Invertebrates.

Note: See also Environmental Assessment (EA) sections 3.2.2 and 4.2.2 for complete list of species with potential to occur in Travis County and rationale for inclusion of the above species.

B. Proposed Species and/or Proposed Critical Habitat within the Action Area:

None

C. Candidate Species within the Action Area:

None

IV. Geographic Area and Action:

The proposed action involves the expansion of the Shady Oaks Gun Range (SOGR). SOGR is an existing gun range that is seeking to expand its facility to accommodate and increase shooting and training opportunities for women, youth, and disabled persons. The SOGR is located at 3100 Woodall Drive, Cedar Park, Travis County, Texas.

V. Location: SOGR (See EA, Figure 1)

A. Ecoregion: Edwards Plateau

B. County and State: Travis County, TX

C. Section, Township, and Range (or Latitude and Longitude):

30° 30' 58.21" N, 97° 52' 34.85" W (WGS 84)

D. Distance (Miles) and Direction to Nearest Town:

3100 Woodall Drive, Cedar Park, Texas 78613

VI. Description of Proposed Action:

There are four elements of the proposed action which include the following:

- **A.** A classroom facility for hunter, archery, and firearms training with storage.
- **B.** A 27-foot wide by 126-foot long uncovered outdoor archery training platform that would extend from the existing retail/shooting range toward the southern property boundary.
- **C.** An additional 15 parking spaces, new fire lane, and a new private fire hydrant directly east of the existing parking lot located on the east side of the existing SOGR retail and gun range buildings.
- **D.** A temporary construction staging area with concrete washout area located along Woodall Drive directly northeast of the current SOGR main parking lot.

VII. Determination of Effects

A threatened and endangered species habitat survey was conducted to assess the existing conditions in the proposed project area relative to such species. Potential habitat for Golden-cheeked Warblers (*Setophaga chrysoparia*) occurs adjacent to the proposed construction areas at the project site. Golden-cheeked Warblers utilize the bark of mature Ashe juniper (*Juniperus ashei*) to build nests and require this vegetation for suitable breeding habitat. Foraging occurs in broad-leaved trees and shrubs. Suitable habitat for the Black-capped Vireo (*Vireo atricapilla*) was not observed in the proposed project area due to the lack of a combination of small trees and shrubs within the proposed project area and immediate adjacent areas.

The project area also occurs within a designated Karst Zone two. Karst Zone two designates areas having a high probability of suitable habitat for endangered or other endemic invertebrate cave fauna. Habitat surveys did not find evidence of subterranean features.

A. Explanation of effects of the action:

SPECIES/ CRITICAL HABITAT	IMPACTS TO SPECIES/CRITICAL HABITAT
Golden-cheeked Warbler	Actions would be adjacent to potential marginally suitable habitat. Up to three Ashe junipers would be removed from maintained lawn area near potential habitat.
Bee Creek Cave Harvestman ¹	Mapped as Karst Zone 2, but no evidence of subterranean features
Bone Cave Harvestman ¹	was found during habitat surveys within the proposed action area.
Tooth Cave Pseudoscorpion ¹	Subterranean features are required for suitable habitat. Soil
Tooth Cave Spider 1	disturbance would occur in relation to construction activities
Kretschmarr Cave Mold Beetle ¹	associated with the proposed training facility, parking lot expansion
Tooth Cave Ground Beetle ¹	and archery platform. These areas are predominantly previously cleared and leveled areas. Further, there would be no deep excavation in the proposed project area. Consequently, there would be no impacts anticipated to the site geology.

¹Known collectively as Karst Invertebrates.

B. Actions to be implemented to reduce adverse effects:

SPECIES/ CRITICAL HABITAT	ACTIONS TO MINIMIZE ADVERSE EFFECTS
Golden-cheeked Warbler	No direct habitat disturbance. Removal of 3 Ashe juniper trees will occur outside of migration/breeding season if possible. If unable to remove at that time, a survey of the trees for nests or birds would be done.
Bee Creek Cave Harvestman ¹	
Bone Cave Harvestman ¹	
Tooth Cave Pseudoscorpion ¹	Soil disturbance will occur in previously disturbed and leveled area, no
Tooth Cave Spider ¹	deep excavation will occur.

SPECIES/ CRITICAL HABITAT	ACTIONS TO MINIMIZE ADVERSE EFFECTS
Kretschmarr Cave Mold Beetle ¹	
Tooth Cave Ground Beetle ¹	

¹Known collectively as Karst Invertebrates.

VIII. Effect determination and response requested:

Based on a review of TPWD, TXNDD, and USFWS records, no species occurrence or designated critical habitat for threatened and endangered species occurs in the proposed project area or adjacent to the project area. Golden-cheeked Warblers and endangered Karst invertebrates have potential habitat in the project vicinity. A summary of the effect determinations for these species is presented below:

C. Effect Determinations on Listed Species in the Project Vicinity

Species	Effect Determination	Critical Habitat Determination
Golden-cheeked Warbler (Setophaga chrysoparia)	May affect, not likely to adversely affect.	Not designated
Karst invertebrate species	May affect, not likely to adversely affect.	Not designated

Based on a field investigation performed by TES, potentially suitable habitat for the Golden-cheeked Warbler is present adjacent to the proposed project area. Species utilization of adjacent habitat would require acclimatization to the current elevated level of human disturbance in the area and would be unlikely to be disturbed by construction activities. This species is sensitive to disturbance, and consequently is unlikely to occupy the adjacent habitat. No Warblers or their nests were observed during the field investigation. The field investigation was conducted in late July which at the end of the nesting season for the species, which is generally present in Travis County only during this period in their life cycle. Although suitable habitat is adjacent to the project area, no activities would occur within that habitat. Construction activities may remove up to three Ashe Juniper trees from within the maintained lawn area creating a slight potential for indirect effect through a minor decrease in potential nest building materials in proximity to suitable habitat. Trees will be checked for any presence of nests or birds before removal.

For this project, the primary concern is whether or not Golden-cheeked Warblers will visit or pass through the adjacent marginal habitat during migration or the breeding season, within the time frame for construction. Minimal disturbance to these species from project construction activities could occur if present. However, it is not anticipated that the species would be adversely affected because of their limited time in the area and because the proposed project actions are limited in scope outside the adjacent habitat. The project would not alter the adjacent habitat. This minimal disturbance is not anticipated to be severe enough nor of lengthy duration to where birds would be negatively affected. Therefore, noise and disturbance associated with construction would have an insignificant effect to the Golden-cheeked Warblers. USFWS has determined that the project *may affect, but is not likely to adversely affect* the Golden-cheeked Warbler.

The proposed project area occurs within a designated Karst zone, referred to as Karst Zone 2. Karst Zone 2 is defined as having a high probability of suitable habitat for endangered or other endemic invertebrate cave fauna. Although the proposed project area contains a soil type associated with suitable habitat for these species, no evidence of the subterranean features (caverns and mesocavernous voids) necessary to support the Karst invertebrates (USFWS, 2011) is present in the proposed project area. Coordination between USFWS WSFR and USFWS Austin Ecological Services Field Office determined that a full Karst invertebrates' survey was not needed. The project would be constructed in an area that is already cleared and leveled, and no deep excavation would occur. Consequently, there would be no impacts anticipated to the site geology. Therefore, the project *may affect, but is not likely to adversely affect* listed karst invertebrate species. Due to the potential for karst features or caves without surface expression to be encountered during construction, if such a feature is encountered work should immediately cease in the

vicinity of the feature, the feature should be covered, and a Section 10(A)(1)(a) permitted scientist should inspect the site as soon as possible in order to evaluate potential species habitat.

State	e Recommendation:		
	A. Listed species/designated critical habitat:		
	no effect: None		
	may effect, is not likely to adversely affect:		
	may effect, is likely to adversely affect: None		
B. P	Proposed species/proposed critical habitat:		
	no effect: None		
	is not likely to jeopardize proposed species/ adversely modify proposed critical habitat: None		
	is likely to jeopardize proposed species/ adversely modify proposed critical habitat: None		
С. С	Candidate species:		
	no effect: None		
	is not likely to jeopardize: None		
	is likely to jeopardize: None		
D. R	emarks:		

State Approval

Signature

Date

Federal Assistance Determination:

A. L	isted species/designated critical habitat:	
	Determination	Response requested
	no effect:	
	may effect, is not likely to adversely affect: Golden-cheeked Warbler, Bee Creek Cave Harvest Pseudoscorpion, Tooth Cave Spider, Kretschmarr (Beetle.	
	may effect, is likely to adversely affect:	Formal Consultation
B. Pı	roposed species/proposed critical habitat: <u>Determination</u>	Response requested
	no effect:	
	is not likely to jeopardize proposed species/ adversely modify proposed critical habitat:	
	is likely to jeopardize proposed species/ adversely modify proposed critical habitat:	Conference
С. С	andidate species:	
	no effect:	
	is not likely to jeopardize:	
	is likely to jeopardize:	Conference
D. Re	emarks:	
	Federal Assistance Grant Manager	
	Lengry . Of	
	Signature	Date

rrence

IX. Reviewing Ecological Services Office Evaluation:

Appendix F Public Involvement Documentation

SHADY OAKS GUN RANGE EXPANSION 3100 WOODALL DRIVE, CEDAR PARK, TEXAS 78613

An Environmental Assessment (EA) for the expansion of the Shady Oaks Gun Range (SOGR) is being prepared in accordance with Texas Parks and Wildlife Department (TPWD) and U.S. Fish & Wildlife Service (USFWS) guidelines, and in accordance with the National Environmental Policy Act.

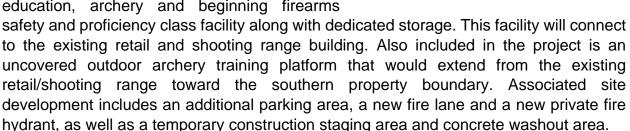
The SOGR opened the existing gun range facility in April 2014 with an emphasis on new women shooters, handgun and rifle safe handling and skills building, youth marksmanship knowledge, and disabled access.

Prior to SOGR's April 2014 opening, there were no publicly accessible shooting range facilities compliant with National Rifle Association or National Shooting Sports Foundation safety design guidelines within the region. The purpose of the project is to provide

increased public access and to expand local and regional gun range capacity for the area around Cedar Park, Texas.

The SOGR has applied for a grant for the proposed project under the USFWS Wildlife and Sport Fish Restoration Program. The grant is being administered by the TPWD. The project construction is planned to occur during the latter part of 2016 immediately following completion of the EA process.

The project includes a dedicated hunter education, archery and beginning firearms



Questions regarding administration of the grant should be directed to the TPWD at (512) 389-8401 or via email at education@tpwd.texas.gov. Questions regarding the SOGR project should be directed to Mr. Vince McElhaney at (512) 415-2419 or by email at shadyoaksgr@aol.com.