

Appendix C

TARRANT COUNTY			
Federal Civil Works Projects in County: Fort Worth Floodway, Singing Hills Creek Channel Improvement, Big Fossil Creek Channel Improvement, Callaway Branch Flood Protection, Lorean Branch Channel Improvement, Rush Creek Channel Improvement, Sulphur Branch Flood Control			
Common Name	Scientific Name	Habitat ²	Federal Status ¹
Interior Least Tern	<i>Sterna antillarum</i>	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	Endangered
Whooping Crane	<i>Grus americana</i>	potential migrant via plains throughout most of state to coast; winters in coastal marshes of Aransas, Calhoun, and Refugio counties	Endangered
¹ Information obtained from the USFWS at http://www.fws.gov/southwest/es/EndangeredSpecies/lists/ListSpecies.cfm (February 7, 2011). ² Information obtained from the TPWD at http://www.tpwd.state.tx.us/landwater/land/maps/gis/ris/endangered_species/ (February 9, 2011).			

TAYLOR COUNTY			
Federal Civil Works Projects in County: Cat Claw Creek Channel Improvement			
Common Name	Scientific Name	Habitat ²	Federal Status ¹
Black-capped Vireo	<i>Vireo atricapilla</i>	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	Endangered
¹ Information obtained from the USFWS at http://www.fws.gov/southwest/es/EndangeredSpecies/lists/ListSpecies.cfm (February 7, 2011). ² Information obtained from the TPWD at http://www.tpwd.state.tx.us/landwater/land/maps/gis/ris/endangered_species/ (February 9, 2011).			

DALLAS COUNTY			
Federal Civil Works Projects in County: Dry Branch Cannel Improvement, Johnson Creek Channel Improvement, Dallas Floodway, Irving Levee, Delaware Creek Flood Control, Ten Mile Creek Flood Control, Duck Creek Flood Control			
Common Name	Scientific Name	Habitat ²	Federal Status ¹
Black-capped Vireo	<i>Vireo atricapilla</i>	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-	Endangered

		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	<i>Dendroica chrysoparia</i>	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	Endangered
Interior Least Tern	<i>Sterna antillarum</i>	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	Endangered
Piping Plover	<i>Charadrius melodus</i>	wintering migrant along the Texas Gulf Coast; beaches and bayside mud or salt flats	Threatened
Whooping Crane	<i>Grus americana</i>	potential migrant via plains throughout most of state to coast; winters in coastal marshes of Aransas, Calhoun, and Refugio counties	Endangered
¹ Information obtained from the USFWS at http://www.fws.gov/southwest/es/EndangeredSpecies/lists/ListSpecies.cfm (February 7, 2011). ² Information obtained from the TPWD at http://www.tpwd.state.tx.us/landwater/land/maps/gis/ris/endangered_species/ (February 9, 2011).			

KNOX COUNTY			
Federal Civil Works Projects in County: Munday Ioodway Channel Improvement			
Common Name	Scientific Name	Habitat ²	Federal Status ¹
Whooping Crane	<i>Grus americana</i>	potential migrant via plains throughout most of state to coast; winters in coastal marshes of Aransas, Calhoun, and Refugio counties	Endangered
Sharpnose Shiner	<i>Notropis oxyrhynchus</i>	endemic to Brazos River drainage; also, apparently introduced into adjacent Colorado River drainage; large turbid river, with bottom a combination of sand, gravel, and clay-mud	Candidate
Smalleye Shiner	<i>Notropis buccula</i>	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	Candidate
¹ Information obtained from the USFWS at http://www.fws.gov/southwest/es/EndangeredSpecies/lists/ListSpecies.cfm (February 7, 2011). ² Information obtained from the TPWD at http://www.tpwd.state.tx.us/landwater/land/maps/gis/ris/endangered_species/ (February 9, 2011).			

COOKE COUNTY			
Federal Civil Works Projects in County: Wheeler Creek Channel Improvement			
Common Name	Scientific Name	Habitat ²	Federal Status ¹
Black-capped Vireo	<i>Vireo atricapilla</i>	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	Endangered
Interior Least Tern	<i>Sterna antillarum</i>	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	Endangered
Whooping Crane	<i>Grus americana</i>	potential migrant via plains throughout most of state to coast; winters in coastal marshes of Aransas, Calhoun, and Refugio counties	Endangered
¹ Information obtained from the USFWS at http://www.fws.gov/southwest/es/EndangeredSpecies/lists/ListSpecies.cfm (February 7, 2011). ² Information obtained from the TPWD at http://www.tpwd.state.tx.us/landwater/land/maps/gis/ris/endangered_species/ (February 9, 2011).			

KAUFMAN COUNTY			
Federal Civil Works Projects in County: East Fork Floodway			
Common Name	Scientific Name	Habitat ²	Federal Status ¹
Interior Least Tern	<i>Sterna antillarum</i>	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	Endangered
¹ Information obtained from the USFWS at http://www.fws.gov/southwest/es/EndangeredSpecies/lists/ListSpecies.cfm (February 7, 2011). ² Information obtained from the TPWD at http://www.tpwd.state.tx.us/landwater/land/maps/gis/ris/endangered_species/ (February 9, 2011).			

TRAVIS COUNTY			
Federal Civil Works Projects in County: Boggy Creek Channel Improvement			
Common Name	Scientific Name	Habitat ²	Federal Status ¹
Austin blind	<i>Eurycea</i>	mostly restricted to subterranean cavities of the	Candidate

salamander	<i>waterlooensis</i>	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	<i>Eurycea sosorum</i>	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	Endangered
Jollyville Plateau salamander	<i>Eurycea tonkawae</i>	known from springs and waters of some caves north of the Colorado River	Candidate
Bee Creek Cave Harvestman	<i>Texella reddelli</i>	small, blind, cave-adapted harvestman endemic to a few caves in Travis and Williamson counties	Endangered
Bone Cave harvestman	<i>Texella reyesi</i>	small, blind, cave-adapted harvestman endemic to a few caves in Travis and Williamson counties; weakly differentiated from <i>Texella reddelli</i>	Endangered
Tooth Cave pseudoscorpion	<i>Tartarocreagris texana</i>	small, cave-adapted pseudoscorpion known from small limestone caves of the Edwards Plateau	Endangered
Tooth Cave spider	<i>Leptoneta myopica</i>	very small, cave-adapted, sedentary spider	Endangered
Warton's cave meshweaver	<i>Cicurina wartoni</i>	very small, cave-adapted spider	Candidate
Black-capped Vireo	<i>Vireo atricapilla</i>	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	Endangered
Golden-cheeked Warbler	<i>Dendroica chrysoparia</i>	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	Endangered
Whooping Crane	<i>Grus americana</i>	potential migrant via plains throughout most of state to coast; winters in coastal marshes of	Endangered

		Aransas, Calhoun, and Refugio counties	
Kretschmarr Cave Mold Beetle	<i>Texamaurops reddelli</i>	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	Endangered
Tooth Cave Ground Beetle	<i>Rhadine persephone</i>	resident, small, cave-adapted beetle found in small Edwards Limestone caves in Travis and Williamson counties	Endangered
¹ Information obtained from the USFWS at http://www.fws.gov/southwest/es/EndangeredSpecies/lists/ListSpecies.cfm (February 7, 2011). ² Information obtained from the TPWD at http://www.tpwd.state.tx.us/landwater/land/maps/gis/ris/endangered_species/ (February 9, 2011).			

ATASCOSA COUNTY			
Federal Civil Works Projects in County: Pleasanton Floodway, Poteet Channel Improvement			
Common Name	Scientific Name	Habitat ²	Federal Status ¹
Gulf Coast Jaguarundi	<i>Herpailurus yagouaroundi cacomitli</i>	thick brushlands, near water favored; 60 to 75 day gestation, young born sometimes twice per year in March and August, elsewhere the beginning of the rainy season and end of the dry season	Endangered
Ocelot	<i>Leopardus pardalis</i>	dense chaparral thickets; mesquite-thorn scrub and live oak mottes; avoids open areas; breeds and raises young June-November	Endangered
Whooping Crane	<i>Grus americana</i>	potential migrant via plains throughout most of state to coast; winters in coastal marshes of Aransas, Calhoun, and Refugio counties	Endangered
¹ Information obtained from the USFWS at http://www.fws.gov/southwest/es/EndangeredSpecies/lists/ListSpecies.cfm (February 7, 2011). ² Information obtained from the TPWD at http://www.tpwd.state.tx.us/landwater/land/maps/gis/ris/endangered_species/ (February 9, 2011).			

BEXAR COUNTY			
Federal Civil Works Projects in County: San Antonio Floodway			
Common Name	Scientific Name	Habitat ²	Federal Status ¹
Unnamed Ground Beetle	<i>Rhadine infernalis</i>	small, essentially eyeless ground beetle; karst features in north and northwest Bexar County	Endangered
Unnamed Ground Beetle	<i>Rhadine exilis</i>	small, essentially eyeless ground beetle; karst features in north and northwest Bexar County	Endangered
Braken Bat Cave Meshweaver	<i>Cicurina venii</i>	small, eyeless, or essentially eyeless spider; karst features in north and northwest Bexar County	Endangered
Cokendolpher Cave Harvestmen	<i>Texella cokendolpheri</i>	small, eyeless harvestman; karst features in north and northwest Bexar County	Endangered
Comal Springs Dryopid Beetle	<i>Stygoparnus comalensis</i>	aquatic beetle has only been collected in several outlets of Comal Springs which forms the headwaters of the Comal River; unknown whether the center of the population resides further	Endangered

		underground in the aquifer, or just below the surface	
Comal Springs Riffle Beetle	<i>Heterelmis comalensis</i>	inhabits the gravel substrates and shallow riffles in spring runs; found in headwater springs on hard-packed gravel substrate	Endangered
Fountain Darter	<i>Etheostoma fonticola</i>	inhabits springs and spring-fed streams in dense beds of aquatic plants (particularly filamentous algae) growing close to bottom, which is normally mucky; it prefers clear, quiet, warm backwaters	Endangered
Government Canyon Bat Cave Meshweaver	<i>Cicurina vespera</i>	small, eyeless, or essentially eyeless spider; karst features in north and northwest Bexar County	Endangered
Government Canyon Bat Cave Spider	<i>Neoleptoneta microps</i>	small, eyeless, or essentially eyeless spider; karst features in north and northwest Bexar County	Endangered
Helotes Mold Beetle	<i>Batrisodes venyivi</i>	small, eyeless mold beetle; karst features in northwestern Bexar County and northeastern Medina County	Endangered
Madla's Cave Meshweaver	<i>Cicurina madla</i>	small, eyeless, or essentially eyeless spider; karst features in north and northwest Bexar County	Endangered
Peck's Cave Amphipod	<i>Stygobromus pecki</i>	inhabits subterranean springs	Endangered
Robber Baron Cave Meshweaver	<i>Cicurina baronia</i>	small, eyeless, or essentially eyeless spider; karst features in north and northwest Bexar County	Endangered
San Marcos Gambusia	<i>Gambusia georgei</i>	shallow, quiet, mud-bottomed, shoreline areas without dense vegetation in the thermally constant main channel; formerly common under shade of bridges; primary habitat requirements appear to be clean, clear water of a relatively stable temperature	Endangered
San Marcos Salamander	<i>Eurycea nana</i>	shallow alkaline springs carved out of limestone, with sand and gravel substrate; associated with water plants and algal mat covering spring pool	Threatened
Texas Blind Salamander	<i>Typhlomolge rathbuni</i>	water-filled subterranean caverns; in some sites, known only from individuals washed out of artesian wells	Endangered
Texas Wild-rice	<i>Zizania texana</i>	clear, flowing waters of spring origin with a relatively constant year-round temperature of 21-25 degrees C; the plants grow in gravelly, sandy to silty clays in relatively shallow water (<2 m deep)	Endangered
Black-capped Vireo	<i>Vireo atricapilla</i>	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	Endangered

		summer	
Golden-cheeked Warbler	<i>Dendroica chrysoparia</i>	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	Endangered
Whooping Crane	<i>Grus americana</i>	potential migrant via plains throughout most of state to coast; winters in coastal marshes of Aransas, Calhoun, and Refugio counties	Endangered
¹ Information obtained from the USFWS at http://www.fws.gov/southwest/es/EndangeredSpecies/lists/ListSpecies.cfm (February 7, 2011). ² Information obtained from the TPWD at http://www.tpwd.state.tx.us/landwater/land/maps/gis/ris/endangered_species/ (February 9, 2011).			

GUADALUPE COUNTY			
Federal Civil Works Projects in County: Walnut Branch Channel Improvement			
Common Name	Scientific Name	Habitat ²	Federal Status ¹
Whooping Crane	<i>Grus americana</i>	potential migrant via plains throughout most of state to coast; winters in coastal marshes of Aransas, Calhoun, and Refugio counties	Endangered
¹ Information obtained from the USFWS at http://www.fws.gov/southwest/es/EndangeredSpecies/lists/ListSpecies.cfm (February 7, 2011). ² Information obtained from the TPWD at http://www.tpwd.state.tx.us/landwater/land/maps/gis/ris/endangered_species/ (February 9, 2011).			

WEBB COUNTY			
Federal Civil Works Projects in County: Zacate Creek Channel Improvement			
Common Name	Scientific Name	Habitat ²	Federal Status ¹
Gulf Coast Jaguarundi	<i>Herpailurus yagouaroundi cacomitli</i>	thick brushlands, near water favored; 60 to 75 day gestation, young born sometimes twice per year in March and August, elsewhere the beginning of the rainy season and end of the dry season	Endangered
Ocelot	<i>Leopardus pardalis</i>	dense chaparral thickets; mesquite-thorn scrub and live oak mottes; avoids open areas; breeds and raises young June-November	Endangered
Ashy Dogwood	<i>Thymophylla tephroleuca</i>	Texas endemic; grasslands with scattered shrubs; most sites on sands or sandy loams on level or very gently rolling topography over Eocene strata of the Laredo Formation; flowering March-May depending to some extent on rainfall	Endangered
Johnston's Frankenia	<i>Frankenia johnstonii</i>	dwarf shrublands on strongly saline, highly alkaline, calcareous or gypseous, clayey to sandy soils of valley flats or rocky slopes; mapped soils at many sites are of the Catarina and/or Maverick	Endangered

		Series, other mapped soils include Copita, Brennan, Zapata, and Montell series; most sites are underlain by Eocene sandstones and clays of the Jackson Group or the Yegua and Laredo formations; a few are underlain by El Pico clay or the Catahoula and Frio formations shrublands; flowering throughout the growing season depending upon rainfall	
Interior Least Tern	<i>Sterna antillarum</i>	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	Endangered
Texas Hornshell	<i>Popenaias popei</i>	both ends of narrow shallow runs over bedrock, in areas where small-grained materials collect in crevices, along river banks, and at the base of boulders; not known from impoundments; Rio Grande Basin and several rivers in Mexico	Candidate
¹ Information obtained from the USFWS at http://www.fws.gov/southwest/es/EndangeredSpecies/lists/ListSpecies.cfm (February 7, 2011). ² Information obtained from the TPWD at http://www.tpwd.state.tx.us/landwater/land/maps/gis/ris/endangered_species/ (February 9, 2011).			

HOWARD COUNTY
Federal Civil Works Projects in County: Beals Creek Flood Control
No species listed for Howard County.
¹ Information obtained from the USFWS at http://www.fws.gov/southwest/es/EndangeredSpecies/lists/ListSpecies.cfm (February 7, 2011).

HUNT COUNTY
Federal Civil Works Projects in County: Long Branch Channel Improvement
No species listed for Hunt County.
¹ Information obtained from the USFWS at http://www.fws.gov/southwest/es/EndangeredSpecies/lists/ListSpecies.cfm (February 7, 2011).