

**PROVISIONAL LIST OF SPECIES TO BE ADDRESSED IN THE SEP-HCP**

(list provisionally approved by BAT on February 22, 2010 and updated on May 28, 2010 and July 7, 2010; CAC approved the addition of 3 mussels and the treatment of other aquatic species as Category 5 on June 7, 2010)

**1) COVERED SPECIES (5 species)**

Species for which incidental take authorization will be obtained upon permit issuance.

<b>Common Name</b>	<b>Scientific Name</b>	<b>Taxa</b>	<b>Status</b>	<b>Basic Habitat Type</b>
Golden-cheeked Warbler	<i>Dendroica chrysoparia</i>	Bird	Federally Endangered & State Endangered	mature, dense juniper-oak woodland
Black-capped Vireo	<i>Vireo atricapilla</i>	Bird	Federally Endangered & State Endangered	patchy, dense, deciduous shrubs
Madla Cave Meshweaver	<i>Cicurina madla</i>	Arachnid	Federally Endangered	terrestrial karst habitats; currently known from several locations in Bexar County
a ground beetle (no common name)	<i>Rhadine exilis</i>	Insect	Federally Endangered	terrestrial karst-habitats; currently known from 45 to 50 caves in Bexar County
a ground beetle (no common name)	<i>Rhadine infernalis</i>	Insect	Federally Endangered	terrestrial karst habitats; currently known from 36 to 39 caves in Bexar County

**2) FUTURE COVERED SPECIES (6 species)**

Species that will be addressed in the SEP-HCP as if they were a Covered Species in anticipation of future listings or non-jeopardy determinations, but for which incidental take authorization may not be immediately available. (Anticipates the future use of a minor permit amendment to authorize incidental take for these species.)

<b>Common Name</b>	<b>Scientific Name</b>	<b>Taxa</b>	<b>Status</b>	<b>Basic Habitat Type</b>
Robber Baron Cave Meshweaver	<i>Cicurina baronia</i>	Arachnid	Federally Endangered	terrestrial karst-habitats; currently known from 1 cave in Bexar County
Bracken Bat Cave Meshweaver	<i>Cicurina venii</i>	Arachnid	Federally Endangered	terrestrial karst-habitats; currently known from 1 specimen found in 1 cave in Bexar County
Government Canyon Bat Cave Meshweaver	<i>Cicurina vespera</i>	Arachnid	Federally Endangered	terrestrial karst-habitats; currently known from 1 cave in Bexar County

Common Name	Scientific Name	Taxa	Status	Basic Habitat Type
Government Canyon Bat Cave Spider	<i>Neoleptoneta microps</i>	Arachnid	Federally Endangered	terrestrial karst-habitats; currently known from two caves in Government Canyon State Natural Area
Cokendolpher Cave Harvestman	<i>Texella cokendolpheri</i>	Arachnid	Federally Endangered	terrestrial karst-habitats; currently known from 1 cave in Bexar County
Helotes Mold Beetle	<i>Batrisodes venyivi</i>	Insect	Federally Endangered	terrestrial karst-habitats; currently known from 8 caves in Bexar County

### 3) VOLUNTARILY CONSERVED SPECIES (7 species)

Species for which incidental take coverage will not be sought, but for which conservation measures would be implemented to ensure a non-jeopardy determination or beneficial NEPA analysis (particularly for currently listed species that are not included as a "Covered Species").

Common Name	Scientific Name	Taxa	Status	Basic Habitat Type
Whooping Crane	<i>Grus americana</i>	Bird	Federally Endangered & State Endangered	potential migrant through the Plan Area; winters in Texas coastal marshes
Big red sage	<i>Salvia penstemonoides</i>	Plant	Petitioned for Federal Listing	associated with seeps and creeks within steep limestone canyons; occasionally on clayey to silty soils of creek banks and terraces
Tobusch fishhook cactus	<i>Sclerocactus brevihamatus</i> ssp <i>tobuschii</i>	Plant	Federally Endangered & State Endangered	open areas within a mosaic of oak-juniper woodlands; sites are usually open with only herbaceous cover
Bracted twistflower	<i>Streptanthus bracteatus</i>	Plant	Non-listed	oak juniper woodlands over limestone and associated openings; on steep to moderate slopes and in canyon bottoms
Golden orb	<i>Quadrula aurea</i>	Mollusk	State Threatened & Petitioned for Federal Listing	Flowing waters of moderate-sized streams and rivers of the San Antonio, Guadalupe, Colorado, Brazos, Nueces, and Frio River systems

<b>Common Name</b>	<b>Scientific Name</b>	<b>Taxa</b>	<b>Status</b>	<b>Basic Habitat Type</b>
Texas pimpleback	<i>Quadrula petrina</i>	Mollusk	State Threatened & Petitioned for Federal Listing	Flowing water of moderate-sized streams and small rivers; historically known from the San Antonio and Guadalupe River systems; not currently known to occur in the Plan Area
Texas fatmucket	<i>Lampsilis bracteata</i>	Mollusk	State Threatened & Petitioned for Federal Listing	Flowing water of moderate-sized streams and small rivers in the San Antonio, Guadalupe, and Colorado River systems

#### 4) ADDITIONAL SPECIES (10 species)

The list of other species that would benefit from the conservation actions implemented for species in categories 1, 2, and 3, but for which no specific conservation measures would be included.

<b>Common Name</b>	<b>Scientific Name</b>	<b>Taxa</b>	<b>Status</b>	<b>Basic Habitat Type</b>
Cave myotis bat	<i>Myotis velifer</i>	Mammal	Non-listed	roosts in clusters of up to thousands of individuals in a variety of natural and man-made structures; winters in limestone caves
Longstalk heimia	<i>Nesaea longipes</i>	Plant	Non-listed	moist alkaline or gypsiferous clayey soils along unshaded margins of wetlands; moderately alkaline clay soils along perennial streams and in subirrigated wetlands; sparingly found on terraces of spring-fed streams in grassland
Correll's false dragon-head	<i>Physostegia correllii</i>	Plant	Non-listed	wet, silty clay loams on streambanks, in creek beds, irrigation channels and roadside drainage ditches

<b>Common Name</b>	<b>Scientific Name</b>	<b>Taxa</b>	<b>Status</b>	<b>Basic Habitat Type</b>
Canyon rattlesnake-root	<i>Prenanthes carrii</i>	Plant	Non-listed	rich humus soils over limestone in upper woodland canyon drainages; typically near springs in deep soils around the springs and on limestone shelves or honeycomb rock
Indigo snake	<i>Drymarchon corais</i>	Reptile	State Threatened	thornbush-chaparral woodlands of south Texas, in particular dense riparian corridors; requires moist microhabitats, such as rodent burrows, for shelter
Texas tortoise	<i>Gopherus berlandieri</i>	Reptile	State Threatened	open brush with a grass understory; when inactive occupies shallow depressions at base of bush or cactus
Cagle's map turtle	<i>Graptemys caglei</i>	Reptile	State Threatened	Guadalupe River System; short stretches of shallow water with swift to moderate flow and gravel or cobble bottom, connected by deeper pools with a slower flow rate and a silt or mud bottom
Spot-tailed earless lizard	<i>Holbrookia lacerata</i>	Reptile	Non-listed	moderately open prairie-brushland; fairly flat areas free of vegetation or other obstructions, including disturbed areas
Texas horned lizard	<i>Phrynosoma cornutum</i>	Reptile	State Threatened	open, arid and semi-arid regions with sparse vegetation, including grass, cactus, scattered brush or scrubby trees
Texas garter snake	<i>Thamnophis sirtalis annectens</i>	Reptile	Non-listed	wet or moist microhabitats are conducive to the species occurrence, but is not necessarily restricted to them

**5) SPECIES CONSIDERED BUT NOT INCLUDED (102 species)**

Species considered by the BAT and CAC, but not recommended for inclusion in the SEP-HCP. Reasons for not addressing these species in the plan may include one or more of the following considerations:

- known range does not include the Plan Area;
- lack of habitat within the Plan Area;
- only incidental or occasional occurrence in the Plan Area;
- utilizes habitats not likely to be targets of conservation efforts for the covered species;
- insufficient existing information on the biology, habitat, threats, or conservation measures for the species;
- species is currently unlisted and/or no current listing petitions are under consideration;
- addressing the conservation needs of the species would be out of scope for the current project; and
- other reasons, as described.

<b>Common Name</b>	<b>Scientific Name</b>	<b>Taxa</b>	<b>Status</b>
Cascade Caverns salamander	<i>Eurycea latitans complex</i>	Amphibian	State Threatened
San Marcos salamander	<i>Eurycea nana</i>	Amphibian	Federally Threatened & State Threatened
Texas salamander	<i>Eurycea neotenes</i>	Amphibian	Petitioned for Federal Listing
Blanco River springs salamander	<i>Eurycea pterophila</i>	Amphibian	Non-listed
Blanco blind salamander	<i>Eurycea robusta</i>	Amphibian	State Threatened & Petitioned for Federal Listing
Edwards Plateau spring salamanders	<i>Eurycea sp 7</i>	Amphibian	Non-listed
Comal Springs salamander	<i>Eurycea sp 8</i>	Amphibian	Non-listed
Comal blind salamander	<i>Eurycea tridentifera</i>	Amphibian	State Threatened & Petitioned for Federal Listing
Valdina Farms sinkhole salamander	<i>Eurycea troglodytes complex</i>	Amphibian	Non-listed
Bandit Cave spider	<i>Cicurina bandida</i>	Arachnid	Non-listed
Baird's Sparrow	<i>Ammodramus bairdii</i>	Bird	Non-listed
Western Burrowing Owl	<i>Athene cunicularia hypugaea</i>	Bird	Non-listed
Zone-tailed Hawk	<i>Buteo albonotatus</i>	Bird	State Threatened
Mountain Plover	<i>Charadrius montanus</i>	Bird	Proposed Federally Threatened

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Montezuma Quail	<i>Cyrtonyx montezumae</i>	Bird	Non-listed
Peregrine Falcon	<i>Falco peregrinus</i>	Bird	Federally De-listed & State Threatened
American Peregrine Falcon	<i>Falco peregrinus anatum</i>	Bird	Federally De-listed & State Threatened
Arctic Peregrine Falcon	<i>Falco peregrinus tundrius</i>	Bird	Federally De-listed & State Threatened
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Bird	Federally De-listed & State Threatened
Mexican Hooded Oriole	<i>Icterus cucullatus cucullatus</i>	Bird	Non-listed
Sennett's Hooded Oriole	<i>Icterus cucullatus sennetti</i>	Bird	Non-listed
Wood Stork	<i>Mycteria americana</i>	Bird	State Threatened
White-faced Ibis	<i>Plegadis chihi</i>	Bird	State Threatened
Interior Least Tern	<i>Sterna antillarum athalassos</i>	Bird	Federally Endangered & State Endangered
A cave obligate crustacean	<i>Monodella texana</i>	Crustacean	Non-listed
Cascade Cave amphipod	<i>Stygobromus dejectus</i>	Crustacean	Non-listed
Ezell's cave amphipod	<i>Stygobromus flagellatus</i>	Crustacean	Non-listed
Long-legged cave amphipod	<i>Stygobromus longipes</i>	Crustacean	Non-listed
Peck's cave amphipod	<i>Stygobromus pecki</i>	Crustacean	Federally Endangered & State Endangered
Edwards Plateau shiner	<i>Cyprinella lepida</i>	Fish	Petitioned for Federal Listing
Nueces roundnose minnow	<i>Dionda serena</i>	Fish	Non-listed
Fountain darter	<i>Etheostoma fonticola</i>	Fish	Federally Endangered & State Endangered
Headwater catfish	<i>Ictalurus lupus</i>	Fish	Non-listed
Guadalupe bass	<i>Micropterus treculii</i>	Fish	Non-listed
Guadalupe darter	<i>Percina sciera apristis</i>	Fish	Non-listed

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Widemouth blindcat	<i>Satan eurystomus</i>	Fish	State Threatened & Petitioned for Federal Listing
Toothless blindcat	<i>Trogloglanis pattersoni</i>	Fish	State Threatened & Petitioned for Federal Listing
Coahuila giant skipper	<i>Agathymus remingtoni valverdiensis</i>	Insect	Non-listed
A mayfly	<i>Allenhyphes michaeli</i>	Insect	Non-listed
Leonora's dancer damselfly	<i>Argia leonorae</i>	Insect	Non-listed
Texas austroinodes caddisfly	<i>Austroinodes texensis</i>	Insect	Non-listed
A mayfly	<i>Baetodes alleni</i>	Insect	Non-listed
Rawson's metalmark	<i>Calephelis rawsoni</i>	Insect	Non-listed
Flint's net-spinning caddisfly	<i>Cheumatopsyche flinti</i>	Insect	Non-listed
Comal Springs diving beetle	<i>Comaldessus stygius</i>	Insect	Non-listed
Edwards Aquifer diving beetle	<i>Haideoporus texanus</i>	Insect	Petitioned for Federal Listing
Disjunct crawling water beetle	<i>Haliplus nitens</i>	Insect	Non-listed
Comal Springs riffle beetle	<i>Heterelmis comalensis</i>	Insect	Federally Endangered
A mayfly	<i>Plauditus futilis</i>	Insect	Non-listed
A mayfly	<i>Procloeon distinctum</i>	Insect	Non-listed
San Marcos saddle-case caddisfly	<i>Protoptila arca</i>	Insect	Non-listed
A mayfly	<i>Pseudocentropiloides morihari</i>	Insect	Non-listed
Sage sphinx	<i>Sphinx eremitoides</i>	Insect	Non-listed
Manfreda giant-skipper	<i>Stallingsia maculosus</i>	Insect	Non-listed
Comal Springs dryopid beetle	<i>Stygoparnus comalensis</i>	Insect	Federally Endangered
Gray wolf	<i>Canis lupus</i>	Mammal	Federally Endangered & State Endangered

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Red wolf	<i>Canis rufus</i>	Mammal	Federally Endangered & State Endangered
Pale Townsend's big-eared bat	<i>Corynorhinus townsendii pallescens</i>	Mammal	Non-listed
Black-tailed prairie dog	<i>Cynomys ludovicianus</i>	Mammal	Non-listed
Greater western mastiff bat	<i>Eumops perotis californicus</i>	Mammal	Non-listed
Texas pocket gopher	<i>Geomys personatus fuscus</i>	Mammal	Non-listed
Frio pocket gopher	<i>Geomys texensis bakeri</i>	Mammal	Non-listed
Llano pocket gopher	<i>Geomys texensis texensis</i>	Mammal	Non-listed
Jaguarundi	<i>Herpailurus yaguarondi</i>	Mammal	Federally Endangered & State Endangered
Ocelot	<i>Leopardus pardalis</i>	Mammal	Federally Endangered & State Endangered
Ghost-faced bat	<i>Mormoops megalophylla</i>	Mammal	Non-listed
Yuma myotis bat	<i>Myotis yumanensis</i>	Mammal	Non-listed
White-nosed coati	<i>Nasua narica</i>	Mammal	State Threatened
Plains spotted skunk	<i>Spilogale putorius interrupta</i>	Mammal	Non-listed
Black bear	<i>Ursus americanus</i>	Mammal	State Threatened
Rock pocketbook	<i>Arcidens confragosus</i>	Mollusk	Non-listed
Horseshoe liptooth snail	<i>Daedalochila hippocrepis</i>	Mollusk	Non-listed
Mimic cavesnail	<i>Phreatodrobia imitata</i>	Mollusk	Petitioned for Federal Listing
Smooth pimpleback	<i>Quadrula houstonensis</i>	Mollusk	State Threatened & Petitioned for Federal Listing
False spike mussel	<i>Quincuncina mitchelli</i>	Mollusk	State Threatened & Petitioned for Federal Listing
Creeper (squawfoot)	<i>Strophitus undulatus</i>	Mollusk	Non-listed

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Pistolgrip	<i>Tritogonia verrucosa</i>	Mollusk	Non-listed
Texas fawnsfoot	<i>Truncilla macrodon</i>	Mollusk	State Threatened & Petitioned for Federal Listing
Texas trumpets	<i>Acleisanthes crassifolia</i>	Plant	Non-listed
Elmendorf's onion	<i>Allium elmendorffii</i>	Plant	Non-listed
Hill Country wild-mercury	<i>Argythamnia aphoroides</i>	Plant	Non-listed
Silvery wild-mercury	<i>Argythamnia argyraea</i>	Plant	Non-listed
Basin bellflower	<i>Campanula reverchonii</i>	Plant	Non-listed
Texas largeseed bittercress	<i>Cardamine macrocarpa</i> <i>var texana</i>	Plant	Non-listed
Comal snakewood	<i>Colubrina stricta</i>	Plant	Non-listed
Sabinal prairie-clover	<i>Dalea sabinalis</i>	Plant	Non-listed
Don Richard's spring moss	<i>Donrichardsia</i> <i>macroneuron</i>	Plant	Petitioned for Federal Listing
Small-headed pipewort	<i>Eriocaulon</i> <i>koernickianum</i>	Plant	Non-listed
Texas greasebush	<i>Glossopetalon texense</i>	Plant	Non-listed
Warnock's coral-root	<i>Hexalectris warnockii</i>	Plant	Non-listed
Sandhill woollywhite	<i>Hymenopappus</i> <i>carrizoanus</i>	Plant	Non-listed
Rock quillwort	<i>Isoetes lithophila</i>	Plant	Non-listed
Canyon mock-orange	<i>Philadelphus ernestii</i>	Plant	Non-listed
Texas mock-orange	<i>Philadelphus texensis</i>	Plant	Non-listed
Parks' jointweed	<i>Polygonella parksii</i>	Plant	Non-listed
Broadpod rushpea	<i>Pomaria brachycarpa</i>	Plant	Non-listed
Springrun whitehead	<i>Shinnersia rivularis</i>	Plant	Non-listed
Texas snowbells	<i>Styrax platanifolius</i> ssp <i>texanus</i>	Plant	Federally Endangered & State Endangered
Granite spiderwort	<i>Tradescantia pedicellata</i>	Plant	Non-listed

<b>Common Name</b>	<b>Scientific Name</b>	<b>Taxa</b>	<b>Status</b>
Edwards Plateau cornsalad	<i>Valerianella texana</i>	Plant	Non-listed
Texas wild-rice	<i>Zizania texana</i>	Plant	Federally Endangered & State Endangered
Timber/Canebrake rattlesnake	<i>Crotalus horridus</i>	Reptile	State Threatened
Reticulate collared lizard	<i>Crotaphytus reticulatus</i>	Reptile	State Threatened

NOTES:

- Basic habitat notes from TPWD County Lists of Rare Species (downloaded December 2009 / January 2010).
- USFWS may provide additional guidance on their ability to authorize take for some species, based on the currently available status information.