

Known Projects Implementing the Action Plan 2005 – 2011

NOTE: MANY more projects implementing the Action Plan were performed by conservation networks and biologists (e.g. Natural Resources Conservation Service Farm Bill Conservaiton and Forestry Title programs, land trusts throughout Texas, universities and colleges, Environmental Defense, The Nature Conservancy and many more) throughout the state; however, to date, we do not have a centralized tracking system for this. We are defining a project for that in the Plan and hope to have a mechanism in place before the next update.

Landowner Incentive Program (LIP)

More current projects can be viewed on the [TPWD LIP website](#)

Since late 2006, the Landowner Incentive Program has tied its on-the-ground work with private landowners to Action Plan implementation. **All projects implemented by LIP are with a willing and/or initiating private landowner cooperator. Many of these projects have additional partners (e.g. Environmental Defense, U.S. Fish and Wildlife Service (UFWS) Partners for Fish and Wildlife Program, US Department of Agriculture Natural Resources Conservation Service (NRCS), Grazing Lands Conservation Initiative, The Nature Conservancy of Texas, Land Trusts, zoos, nature centers, research units and institutions, various universities across the state, among others. Total Acres to date = over 193,000**

| Landowner Incentive Program (LIP) Brief Project Description | County(ies) |
|---|--|
| Manage habitat to improve native oak-prairie savannas; fence construction, rotational grazing strategy, prescribed burning, selective juniper removal, planting | Palo Pinto |
| Restore prairie | Navarro |
| Establish over 30 viable, reproducing, genetically diverse colonies of Texas snowbells, over 500 individuals | Real, Edwards, Val Verde, Kinney, Uvalde |
| Improve the quality and quantity of lesser prairie chicken habitat; control invasive brush, restore mid-grass prairie, institute rotation/rest grazing practices | Cochran |
| Improve range condition and 660 acres of habitat for the Texas horned lizard and Black-capped vireo; prescribed burning, cross fencing, selective brush removal and grazing plan | Brown |
| Protect natural lagunas and riparian areas; fencing, rotation grazing to control invasive grasses, brown-headed cowbird trapping, grass and forb inventories | Hidalgo |
| Enhance native grasslands for a suite of grassland obligate birds; rotational grazing, prescribed burns, herbicides for invading brush | Karnes |
| Connect two large blocks of open coastal prairie for future Attwater's Greater Prairie-Chicken reintroduction; reduce mesquite and huisache in between blocks through prescribed burns, IPT (individual plant treatment) herbicide applications, roller-chopping | Calhoun |
| Improve range and habitat condition to benefit Texas horned lizard and Black-capped vireo, cross-fence construction, short duration grazing strategy, long-term management strategy, prescribed burn program, selective brush removal, water development | Somervell |
| Floral diversity, seed-producing grasses and forbs, and sustainable populations of black-capped vireos, northern bobwhite, and Texas horned lizards; fencing, rotational grazing, water facilities, stocking plan, prescribed burns | McCulloch |
| Improve habitat for endangered invertebrates at Robber Baron Cave (sinkhole); non-native invasive vegetation removal, restoration with native vegetation, stabilize entrance | Bexar |
| Improve the quality and quantity of Lesser-prairie chicken habitat; control invasive mesquite, restore mid-grass prairie, revise grazing plan | Hockley, Terry |
| Restore Tamaulipan thornscrub to provide connection habitats for ocelots at Laguna Atascosa National Wildlife Refuge; land preparation, contracting and purchase of seedlings, planting of seedlings, maintenance, and monitoring; maintained in habitat for at least 20 years as per a written agreement with the landowner. | Cameron |
| Restore native coastal grasslands and create wetlands; treat invasive brush, replant native grasses with locally sourced seed, convert farmland to wetlands (moist soil units) | Wharton |

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| Restore native coastal grasslands and create wetlands; treat invasive brush, replant native grasses with locally sourced seed, convert farmland to wetlands (moist soil units) | Wharton |
| Restore shortleaf pine savannah; planting cutover land to shortleaf pine, restore herbaceous understory, remove thick understory, herbicide treatment, prescribed fire plan | Camp |
| Restore longleaf pine savanna; prescribed fire, selective thinning | Houston |
| Restore pine savanna; prescribed fire, wildlife cooperative project | Houston |
| Restore longleaf pine savanna; prescribed fire | Cherokee |
| Restore and maintain coastal prairie; herbicide treatment, prescribed burning, cross fences and watering features | Goliad |
| Enhance existing wetlands; construct dam, reseed | Burnet |
| Create new wetland; construct dam, reseed | Burnet |
| Restore longleaf pine savannah; hand-plant containerized longleaf pine seedlings, herbicide and/or prescribed burn to reduce competition | Jasper, Newton |
| Restore intact native grasslands; brush control, prescribed burn, IPT herbicides, rotational grazing system. | Duval |
| Restore a large bog system, reduce woody encroachment; prescribed burn, chemical and mechanical IPT herbicide, water control structure and crossing. | Leon |
| Improve short and midgrass prairie; control sand sage | Hemphil |
| Improve the quality and quantity of midgrass prairie; aerial herbicide brush | Yoakum, Terry |

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| Restore native coastal grasslands and create wetlands; treat invasive brush, replant native grasses with locally sourced seed, convert farmland to wetlands (moist soil units) | Wharton |
| Restore longleaf pine savanna and provide connectivity with Pine Island Bayou's extensive longleaf restoration efforts; planting containerized longleaf, aerial herbicides to control competition, prescribed burn | Angelina |
| Restore longleaf pine savanna and provide connectivity with Sabine National Forest and Toledo Bend Reservoir; planting containerized longleaf, aerial herbicides to control competition, prescribed burn | Sabine |
| Restore native grasslands; mesquite brush control through aerial herbicide treatment, water sources for prescribed grazing | Gaines |
| Water development | Donley |
| Restore short and midgrass prairies, springs, saline lake; control salt cedar, herbicide treat upland mesquite encroachment, water development for rotational grazing and moist soil units | Bailey |
| Water development | Yoakum, Terry |
| Habitat restoration; prescribed burning, cowbird trapping, feral hog trapping, selective brush thinning & species surveys | Bandera |
| Restore longleaf pine savanna within the Longleaf Ridge Conservation Area; hand-plant containerized longleaf pine seedlings, herbicide and/or prescribed burn to reduce competition | Jasper, Newton, Angelina, Sabine |

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| Captive breeding/head start program for the Houston toad and habitat restoration; prescribed fire and wildlife management plans, prescribed burns, species monitoring; for head start program, chytrid fungus testing/monitoring, egg strand collection, transport/release, travel, zoo keeper staff labor, veterinary care & food/supplies for the captive colony. | Bastrop, Harris |
| Restore native short to mid grass prairie, enhance connectivity with other restored areas; grazing plan, grazing exclosures; mesquite control | Cochran |
| Restore native tallgrass prairie (eastern gamagrass-switchgrass-yellow Indiangrass-Maximilian sunflower (G1/G2) and little bluestem-Indiangrass-big bluestem (G1/G2) prairie); phosphate fertilizer application on uplands, planting preparatory legume crops, planting a holder crop of sudan, applying herbicide to control invasive exotic grass species, harvesting local prairie seed, and seeding native prairie species. | Hunt |
| Manage and restore native shortgrass prairie; cross fencing, prescribed grazing, playa protection | Floyd, Crosby |
| Restore native grassland (mid and shortgrass) and protect riparian; water development and distribution, grazing plan, fencing | Donley |
| Longleaf pine savanna and loblolly stand restoration; prescribed burn, replanting | Nacogdoches |
| Water quality protection; planting loblolly pine seedlings in previously treated areas for brush removal, selective thinning, prescribed burn | Bastrop |

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| Restore longleaf pine savanna, native understory, and historic fire intervals/processes; prescribed fire, interplant remaining stand with containerized longleaf seedlings, herbicide to reduce competition | Angelina |
| Water development | Lamb |
| Restore bog & pine hardwood savanna; firebreaks, prescribed burns, and applications of herbicides, as well as chemical, or hand removal of off-site woody plants | Jasper |
| Restore mid- and shortgrass prairies; control invasive mesquite | Bailey |
| Restore and manage native tallgrass blackland prairie; cut and stump treat with herbicide woody invasive species, apply herbicide to invasive grasses, conduct prescribed burn | Falls |
| Coastal Prairie restoration and habitat connectivity; mesquite and huisache clearing and stump treatment with herbicide | Goliad |

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| Prairie Restoration; prescribed fire | Montgomery |
| Shortleaf pine restoration project (continued); herbicide application, interplant with shortleaf seedlings | Camp |
| Species Reintroduction (new red-cockaded woodpecker breeding group); translocating a surplus subadult male and surplus subadult female from existing RCW population, six artificial cavity inserts installed, monitoring, prescribed fire | Montgomery |
| Watershed restoration | Brewster |
| Riparian and river shoreline restoration; aerial and ground herbicide application and sprout removal for nonnative species control (giant cane and chinaberry) in the Nueces watershed, revegetation and monitoring <i>Note: this is not ONE project -- since project kick-off, approximately 132 landowners have participated or will participate in projects along the Nueces and Sabinal Rivers in Uvalde County</i> | Uvalde |
| Native plant reintroduction; seed collection, nursery propagated, hand planting and cage construction/installation to protect from browse | Edwards, Real, Uvalde, Kinney and Val Verde Counties |
| Wetland enhancement, upland habitat restoration: prescribed fire, pond enhancement | Bastrop |

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| Coastal Prairie Restoration; foliar spraying short brush, individual plant herbicide treatment and shearing & spraying herbicide on stumps | Goliad |
| Longleaf Pine Savanna Restoration; shear, rake, and prescribed burn preparation, hand-planting containerized longleaf pine seedlings, herbicide treatment to reduce competition | Trinity |
| Blackland prairie restoration; prescribed burn plan and implementation | Mitchell |
| Restore native Longleaf savanna, with associated understory community and a prescribed fire cycle; prescribed burn plan, site prep, burn implementation, hand planted seedlings | Sabine |
| Restore native grassland; aerial application of herbicide to remove brush | Brewster |
| Prairie Improvement; woody brush treatment with herbicide | Dawson |
| Longleaf savanna and mature mixed pine restoration; prescribed burn | Angelina |
| Blackland prairie restoration; exotic grass removal, prescribed fire, herbicide application, replanting with native grass mix and fertilizer application | Guadalupe |
| Cave protection; gate construction and installation | Williamson |
| Tamaulipan Thornscrub restoration; grow native brush seedlings, planting | Willacy |
| Short grass prairie, native coastal prairie restoration; mechanical brush clearing | Duval |

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| Coastal prairie restoration and connection to existing habitat; brush shearing and herbicide treatment | Goliad |
| Midgrass prairie restoration; treat and remove exotic grass, reseed with native grasses, water development, fencing | Donley |
| Riparian restoration; treat invasive salt cedar, Russian olive | Donley |
| Short and Midgrass restoration herbicide application to remove invasive mesquite | Bailey |
| Midgrass prairie restoration; herbicide removal of invasives, water development | Bailey |
| Playa and Riparian Area Restoration; pumping equipment removal, silt removal, native grass buffer management, monitoring | Floyd |
| Playa and Native Grass Buffer Restoration; herbicide removal of invasives, deferred grazing | Castro |

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Horned Lizard License Plate Conservation Fund Projects 2006 – 2011

Will update with county location data prior to USFWS delivery

| Project Description | County(ies) |
|--|--------------------|
| Post Oak Savanna Bogs | |
| Smooth Green Snake | |
| Freshwater Turtle Survey | |
| Detecting the Presence of Mammalian Species of Concern in Grassland and Riparian Habitats in the Blackland Prairie Ecoregion | |
| Impact of Exotic Invasive Plants and Current Land Use Practices on Wintering Avian Community Structure in Texas Coastal Prairie | |
| Are Urban Populations of Ornate Box Turtles Viable? | |
| Native Blackland Prairie Restoration in Western Navarro County | |
| Conservation Genetics of the Texas Horned Lizard, <i>Phrynosoma comutum</i> | |
| Recovery of the Golden-Cheeked Warbler through Private Lands Management | |
| Tallgrass Prairie Conservation Easements | |
| Invaders of Texas | |
| Spot-tailed Earless Lizard | |
| Noninvasive Survey and Monitoring for Ocelots in the Gulf Coast Prairies and South Texas Plains - Formation of the Private Lands Coalition for Ocelot Management | |
| Captive Breeding for Attwaters Prairie Chicken | |
| Conservation Easement Training | |

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State Wildlife Grant Funded Projects

One grant for the Landowner Incentive Program in the state replaced the federal Landowner Incentive Program. All of those projects are captured in the table above. MANY of the below-listed grants have multiple conservation projects and activities within them, some have multiple years in operation, and some have been “closed” as complete. A general description is provided.

| State Wildlife Grant Brief Project Description | Counties |
|--|---|
| TPWD Wildlife Division Technical Guidance & Outreach in Urban Areas <i>(this project now on a different funding source)</i> | state's 6 largest metropolitan areas (El Paso, Dallas-Ft. Worth, Houston, San Antonio, Austin, Rio Grande Valley) |
| TPWD Education and Outreach (Outdoor kids, Project WILD) | statewide |
| TPWD World Birding Center Operations, Working Groups, and Research | Starr, Cameron, Hidalgo and Willacy Counties |
| TPWD Land and Water Conservation and Recreation Plan | statewide |
| TPWD Wildlife Diversity Science: conservation status, trend monitoring, and management recommendations for SGCN Example Projects done by TPWD biologists, some with external partners, including private landowners listed below: | statewide |
| <i>Reintroduction of the Texas Horned Lizard to Central TX</i> | |
| <i>Breeding Status and Habitat Associations of Altamira Oriole and Northern Beardless Tyrannulet in the Lower Rio Grande Valley</i> | |
| <i>Five-year Report of Project Prairie Birds Study (Lake Jackson)</i> | |
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| <i>Effectiveness of Depredation-resistant Exclusionary Nest Structures for Ferruginous Pygmy Owls</i> | |
| <i>Effects of Exotic Plant Spp. In Central TX Urban Habitats on Neotropical Migrant Bird Spp. Composition, Relative Abundance and Distribution</i> | |
| <i>Barton Springs Edward's Aquifer Recharge Enhancement for Conservation of Priority Habitat for the Barton Springs and Austin Blind Salamanders</i> | |
| <i>Development of Survey Protocols for Detecting and Monitoring Trends in Abundance of the TX Horned Lizard</i> | |
| <i>Determining the Status of the Rare Rio Grande Cooter in the South Texas Plains and Edward's Plateau Regions of Texas</i> | |
| <i>Ecology of the State-threatened Indigo Snake in a Managed Thornscrub Ecosystem</i> | |
| <i>Snowy Plover Breeding Survey</i> | |
| <i>Sabal Palm Sanctuary Habitat Restoration</i> | |
| <i>Shortgrass Prairie Bird Conservation on Private Land</i> | |
| <i>Coastal Prairie Conservation Initiative</i> | |
| <i>Revegetation for Butterfly Conservation</i> | |
| <i>Making the Case for Conservation on Private Lands</i> | |
| <i>Wildlife Habitat Review</i> | |
| <i>Conservation of TX Grasslands and Shrublands</i> | |

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| TPWD World Birding Center Operations, Working Groups, and Research | Starr, Cameron, Hidalgo and Willacy Counties |
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| <i>Mountain Lion Monitoring</i> | |
| <i>Black Bear Status in TX</i> | |
| <i>Ecology of Horned Lizards</i> | |
| <i>Bald Eagle Nest Survey</i> | |
| <i>Winter Survey of Coastal Shorebird Concentration</i> | |
| <i>Black-tailed Prairie Dog Conservation and Management in Texas</i> | |
| <i>Playa Lakes as Habitat Reserves for Black-tailed Prairie Dogs</i> | |
| <i>Managing Invasive Yaupon Holly in the Post Oak Savannah Ecological Region of Texas</i> | |
| <i>Ecology of Migrant Shorebirds on the Saline Lakes of the Southern High Plains</i> | |
| <i>Management of Texas State Bison Herd</i> | |
| <i>Technical Guidance and Conservation Activities at the World Birding Center</i> | |
| <i>Wildlife Habitat Assessment Program</i> | |
| <i>Ecology, Population Dynamics and Conservation of the Palo Duro Mouse</i> | |
| <i>Arthropod Response to Habitat Management Techniques in the Rolling Plains of Texas</i> | |
| <i>Comparative Nest Ecology of Urban and Exurban Mississippi Kites in the Rolling Plains of Texas</i> | |
| <i>Bobcat Status in Texas</i> | |
| <i>Effectiveness of the Conservation Reserve Program (CRP) Native Spp. Seeding Requirements in Providing Summer and Winter Habitat for Grassland Birds</i> | |
| <i>Impact of Exotic Grasses on S. TX Bird Communities</i> | |

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| TPWD Environmental Analytical Chemistry Lab: water quality | San Marcos, Hays Co. |
| TPWD Coordinator for the Texas Conservation Action Plan Revision | statewide |
| TPWD Resource Information System: geospatial data and other content for tracking fish, wildlife and special initiatives (e.g. Tarpon Tracking, Cowbird Trapping) | Statewide, coordinated out of Headquarters |
| TPWD Science Review of all Conservation Programs | Statewide, coordinated out of Headquarters |
| TPWD Wildlife Research Program Example Projects done by TPWD biologists, some with external partners, including private landowners, listed below: | statewide |
| <i>Development of Management Strategies for the Conservation of Wildlife at Old Sabine Bottom WMA</i> | |
| <i>Management Recommendations for Hog-nosed Skunks in west Central TX</i> | |
| <i>Effects of Shinnery Oak Control on Lesser Prairie Chickens (LPC) in the Rolling Plains of TX</i> | |
| <i>Resource Partitioning and Overlap of a Raptor Assemblage Associated with Prairie Dog Colonies</i> | |
| <i>Inland Alligator Growth and Habitat Parameters</i> | |
| <i>Composition of Prey Consumed by American Alligators along the Upper and Central Coasts of TX</i> | |
| <i>Landscape Analysis of a Recolonizing Black Bear Population in the Trans-Pecos Region of TX</i> | |
| <i>Influence of Bufflegass on Northern Bobwhite Habitat Use and Selection in south TX</i> | |
| <i>Coordinating Moist Soil Management for Nonbreeding Waterbirds with Water Treatment Practices at Richland Creek WMA</i> | |
| <i>Pronghorn Habitat Management</i> | |
| <i>Minimum Land Area Necessary for Managing Bobwhite Quail</i> | |

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| <i>Effectiveness of Depredation-resistant Exclusionary Nest Structures for Ferruginous Pygmy Owls</i> | |
| <i>Evaluating Landscape Changes of Mule Deer Habitats in Trans-Pecos TX</i> | |
| <i>Dynamics of Bird Migration Along the Lower Gulf Coast of TX</i> | |
| <i>Taxonomic Revision of Cave Spiders</i> | |
| <i>Evaluate Inland Alligator Population Structure, Growth Rates and Habitat Requirements on the Angelina/Neches Dam B, North Toledo Bend and Alazan Bayou WMAs</i> | |
| <i>Effects of Winter and Summer Fire</i> | |
| <i>Impacts of Reduced Flooding on Herptofauna in a TPWD Bottomland</i> | |
| <i>Ecology of Ornate Box Turtles in a Sand Prairie Ecosystem</i> | |
| <i>Taxonomic Descriptions of Pseudoscorpions from Caves in TX</i> | |
| <i>Distribution and Habitat Requirements of Bats in the Pineywoods Ecoregion of East TX</i> | |
| <i>Demography and Habitat Selection of the Alligator Snapping Turtle in the Middle Trinity River Ecosystem</i> | |
| <i>Swift Fox Patch Occupancy</i> | |
| <i>Snowy Plover Movement, Fidelity and Dynamics in the TX High Plains</i> | |
| <i>Nongame Wildlife Trade</i> | |
| <i>Baseline Assessment of Avian Communities - GEWMA</i> | |
| <i>Winter Survey of Coastal Shorebird Concentration</i> | |
| <i>Population Status and Habitats for LA Black Bear</i> | |
| <i>Grassland Bird Response to Patch Burning/Grazing on Sand Sagebrush Grasslands</i> | |
| <i>Survey and Monitoring for Ocelots in Gulf Coast Prairies and south TX Plains</i> | |

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| TPWD Marine Monitoring Example Projects done by TPWD biologists, some with external partners, listed below: | Texas Gulf Coast – inshore, shoreline, nearshore, marine |
| <i>Monitoring Oyster Reefs in the Mid-coast</i> | |
| <i>Charter Boat Fishery Monitoring</i> | |
| <i>Evaluation of Commercial Fishery Management Strategies and Predicted Impacts on Shrimp and Associated By-catch Species</i> | |
| <i>Sea Turtle Conservation, including secondary nesting colony of Kemp's ridley sea turtles on the Padre Island National Seashore</i> | |
| <i>Arroyo Colorado Sampling- water quality</i> | |
| <i>Artificial Reef Deployment</i> | |
| <i>Enhancement of Artificial Reefs in Nearshore Waters of the Gulf of Mexico</i> | |
| <i>Monitoring and Quantifying Oyster Habitat in Galveston Bay, TX</i> | |
| <i>Habitat Utilization by Fish and Shellfish in Selected Bays and Estuaries</i> | |
| <i>Monitor Ecosystem Health Parameters in Laguna Madre</i> | |
| <i>Characterizing Oyster Reefs in Lavaca Bay, TX</i> | |
| <i>Shallow-water Oyster Reef Mapping in San Antonio and Matagorda Bays</i> | |
| <i>Shell-bearing Mollusk Management Assessment</i> | |
| <i>San Antonio Bay Ichthyoplankton Monitoring</i> | |
| <i>Abundance and Occurrence of Estuarine Organisms in Tidal Reaches of the Colorado River</i> | |

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| <i>Ecosystem Monitoring</i> | |
| <i>Modeling Losses to Blue Crab Populations from Reduced Freshwater Inflows and Overfishing</i> | |
| <i>Sonar Mosaic and Bathymetry mapping of Oyster Beds in the Sabine Lake Estuary</i> | |
| TPWD Borderlands Biologist: Wildlife Division liaison for natural resource management along the Texas-Mexico border | TX counties bordered by Mexico |
| New Texas Joint Ventures (North American Bird Conservation Initiative): Central Texas Oaks and Prairies Joint Venture (BCR 20 & 21) and Rio Grande Corridor Joint Venture (BCR 35 & 36) | |
| TPWD Texas Prairie Rivers Initiative: human populations, economic trends and natural resources assessments toward conservation strategies; habitat improvements on over 16,000 acres in the region and to secure 10-year wildlife management agreements on an additional 20,786 acres on 6 properties; developed informational materials including the "Landowner Conservation Resource Guide | Donley, Gray, Hemphill, Lipscom; plus statewide for the guide portion. |
| TPWD Texas River Planning Initiative: riparian habitats, local community involvement in conservation, water quality outreach, integration with TPWD River Guide website to integrate conservation into recreation resources. | statewide |
| TPWD Planning and Investigations to Address Management Issues Related to Toxic Harmful Algal Blooms and Particularly Golden Alga (<i>Prymnesium parvum</i>) – subprojects listed below | statewide |
| <i>Historic Data Assessment of Golden Alga Fish Kills</i> | |
| <i>Survey of P. Parvum</i> | |
| <i>Molecular Investigations</i> | |
| <i>Scientific Workshop and Meetings to Coordinate Management Efforts</i> | |
| <i>Hatchery-based Golden Alga Research</i> | |
| <i>Development of Toxin Standards</i> | |

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| <i>Red Tide, Blue-green Algae and Other Harmful Toxic Algal Bloom Planning, Coordination and Response</i> | |
| TPWD Aquatic Habitat Conservation Initiative | |
| Texas Freshwater Mussel Survey: current status for rare, endemic and other mussel species; development of management and recovery plans | statewide |
| Texas Lesser Prairie-chicken Initiative: Multiple partner working group and technical committee to create management and conservation plan – subprojects listed below | TX panhandle counties |
| <i>An Evaluation of the Use of Aerial Line-transect Surveys to Estimate LPC Distribution and Density in the TX Panhandle</i> | |
| <i>LPC Mapping Project</i> | |
| <i>Over-winter Ecology of LPC in the Northeast TX Panhandle</i> | |
| <i>Improving LPC Lek Surveys on Private Lands</i> | |
| Distribution of Swift Foxes in Texas | TX panhandle counties |
| Seagrass Conservation Initiative: state conservation plan development, esp in Redfish Bay Scientific Area; inventory and trends | TX coastal counties |
| Response of Benthic Organisms in Bay Systems to Freshwater Inflow | TX coastal counties |
| Rangia Clam Responses to Freshwater Inflows in Galveston Bay | |
| Landowner Incentive Program for Grassland Birds | statewide |
| TPWD Planning and Investigations to Address Natural Resource Management Issues Resulting from Toxic Harmful Algal Blooms | statewide |
| <i>Predictive Understanding of Bloom Formation and Toxicity</i> | |
| <i>Molecular Biomarkers Study</i> | |
| <i>Monitoring Blooms of Pyrmnesium parvum in Lake Whitney</i> | |

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| <i>Impact of Clay Flocculation on P. parvum Under Different Environmental Conditions</i> | |
| <i>Development of Spectrophotometric Methods for Detection and Quantification of Toxic Polyketides from P. parvum</i> | |
| <i>Evaluation of the SolarBee for Controlling P. parvum Blooms and Toxicity</i> | |
| <i>Refining a Predictive Understanding of Physical, Chemical and Biological Factors Influencing P. parvum Population Dynamics and Toxicity</i> | |
| TPWD Baseline Fauna and Flora Monitoring in Response to Previously Implemented Management Practices on State-owned Lands | Bastrop, Smith and Walker Counties |
| Geomorphic Monitoring of the Upper San Marcos River | San Marcos, Hays Co. |
| Ecological and Economic Impacts of the Texas Coastal Prairie Conservation Initiative | Kleberg County |
| Data Standardization and Georeferencing of the Fishes of Texas database | statewide |
| Nutrient Effects in Small Brazos River Basin Streams in North Central Texas | north central TX Brazos River basin |
| Freshwater Mussel Field Surveys | selected east TX locations |
| Eradication of Invasive Suckermouth Catfish and Determination of Dietary Overlap with Indigenous Fishes | Del Rio, Val Verde Co. |
| Georeferencing and Niche Modeling of the Invasive Exotic Fishes with Emphasis on the Suckermouth Catfish | |
| TPWD Habitat Restoration and Enhancement at TPWD World Birding Centers: thornscrub, resaca wetlands, butterfly habitats | Starr, Cameron, Hidalgo and Willacy Counties |
| TPWD Prescribed Fire Program for Habitat Conservation in Texas State Parks | statewide |
| TPWD Nongame Wildlife Habitat Management and Restoration of State Parklands | statewide |
| Private Landowner Pastures for Upland Birds – technical assistance, restoration | statewide |
| TPWD Texas Ecological Systems Map - distribution and quantity of vegetation communities using satellite remote sensing and | statewide |

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| ground verification | |
| Status of <i>Invasive</i> Freshwater Mollusks in Texas | statewide |
| TPWD Texas Wildscapes Interactive Habitat Planning CD | statewide |
| Habitat Status Survey of the Brazos Water Snake | north central TX Brazos River basin |
| TPWD Texas Natural Diversity Database | Travis County |
| Invertebrates of Special Concern – updating status data, rankings | south TX plains region |
| Tallgrass Prairie mapping project and TXNDD data sharing | Blackland prairie, Gulf Coast Prairies and Marshes, and Grand prairie subregion of the Cross Timbers and Prairies ecoregions |
| Statewide Assessment of Unionid (freshwater mussels) Diversity in Texas: 60 sites in the Trinity, Colorado, Neches, guadalupe, and Rio Grande River basins; detailed studies at four with high diversity; assess population status and map rare & endemic mussel beds | statewide |
| Genetic Isolation of Peck's Cave Amphipod, <i>Stygobromus pecki</i> | central TX (Edwards Plateau) |
| Spawning Requirements and Seasonal Diet Composition of the Guadalupe Roundnose Minnow (<i>dionda nigrotaeniata</i>) and the Texas Shiner (<i>Notropis amabilis</i>) | Kerr Co. |
| Survey of Habitat Suitability for Texas Freshwater Fishes | statewide |
| Population Dynamics of Fishes in the Upper Brazos River | Baylor, Knox, Stonewall, Fisher Cos. |
| Distribution and Demographics of the Diamondback Terrapin (<i>malaclemys terrapin littoralis</i>) | Counties bordering Galveston Bay |
| Freshwater Turtle Population Trends and Health in Texas' Priority Ecoregions | central TX and south TX plains |
| Bigclaw River Shrimp in San Marcos River: Invasive Species' Impact | Hays Co. |

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| TPWD Goose Island State Park Shoreline Stabilization and Marsh Restoration, Phase II | Aransas Co. |
| Seasonal Movement and Habitat Use of Alligator Gar and Striped Bass in the Lower Trinity | statewide |
| Investigation to Understand the Distribution of Selected Environmental Contaminants in Texas | statewide |
| Hydrologic and Geomorphic Controls on Fish, Mussel, and Riparian Vegetation Communities in the Upper Neches River Watershed | Neches River watershed |
| Freshwater Aquarium Hobbyists and Invasive Species in the Houston-Galveston Region – understanding distributions, outreach targets and best message delivery to prevent invasive releases in sensitive regional systems | statewide |