



Protected Species Services

Gulf South Research Corporation (GSRC) provides protected species services for public and private clients throughout the Nation. GSRC's professionals, trained in conservation biology, landscape ecology, zoology, botany, forestry, wildlife management, and geographic information systems (GIS), have experience in planning and implementing a variety of sensitive species survey, monitoring, and ecosystem planning projects across the United States. GSRC's staff have received special training in survey techniques and protocols for a number of threatened and endangered species, including Mexican spotted owl, gopher tortoise, southwestern willow flycatcher, flat-tailed horned lizard, red-cockaded woodpecker, western burrowing owl, Chiricahua leopard frog, cactus ferruginous pygmy-owl, and western yellow-billed cuckoo. GSRC's professionals also have extensive experience with compliance with environmental laws and regulations specific to protected species.

GSRC has successful, long-standing relationships with the various USFWS Ecological Services Offices and NOAA Fisheries staff throughout the U.S. and with most state natural resources agencies that administer protected species regulations and programs. Consequently, GSRC's biologists are extremely knowledgeable of not only the survey protocols or management requirements, but also with the agencies' expectations and standards associated with surveys, identification of potential impacts, development of off-setting measures, and management activities. Frequent consultations with natural resources managers and regulatory agencies ensure that projects satisfy our clients' missions or objectives without adversely affecting protected species.



Planning/Compliance Services
<p>Rare, Threatened, and Endangered Species</p> <ul style="list-style-type: none"> • National Environmental Policy Act (NEPA) Compliance • Management Plans • Management Recommendations <p>Endangered Species Act (ESA) Section 7 and 10 Consultations</p> <ul style="list-style-type: none"> • Biological Assessments (BAs) • Conservation Measures • Best Management Practice (BMP) Development • Incidental Take Permitting • Mitigation Plans • Habitat Conservation Plans <p>Ecosystem/Habitat Restoration Plans</p> <p>Habitat Suitability Assessments</p> <p>Agency Coordination</p> <p>Magnuson-Stevens Act (MSA) Consultations</p> <ul style="list-style-type: none"> • Essential Fish Habitat (EFH) Assessments <p>Coastal Zone Management Act (CZMA)</p> <ul style="list-style-type: none"> • Coastal Consistency Determinations <p>Marine Mammal Protection Act (MMPA) Consultations</p> <ul style="list-style-type: none"> • Incidental Harassment Authorizations (IHAs) • Letters of Authorization (LOAs) <p>Sikes Act Compliance</p> <ul style="list-style-type: none"> • Integrated Natural Resource Management Plans (INRMPs)

Field Services
<p>Rare, Threatened, and Endangered Species Inventories</p> <p>Habitat Inventories and Mapping</p> <p>Multiseasonal/Protocol Surveys</p> <ul style="list-style-type: none"> • Terrestrial Surveys <ul style="list-style-type: none"> ○ Mammalian Species ○ Avian Species ○ Migratory Bird Treaty Act (MBTA) Surveys ○ Floral Species ○ Herpetological Species • Aquatic Surveys <ul style="list-style-type: none"> ○ Freshwater and Marine Species <p>Marine Species Services</p> <ul style="list-style-type: none"> • Marine species surveys and monitoring <ul style="list-style-type: none"> ○ Shore-based surveys ○ Ship-board surveys ○ In-water surveys • Lethal, Injury, and Harassment Take Assessments • Benthic Habitat Characterizations <p>Pre- and Post-Construction Natural Resources Monitoring</p> <p>Environmental Awareness Training</p> <p>GIS and Mapping</p> <ul style="list-style-type: none"> • Multivariate Spatial Analysis • Ground Truthing Field Verification

Protected Species Projects	Planning/Compliance Services						Implementation/Field Services					
	RTE Species Management Plans/Recommendations	Agency Coordination	ESA Section 7 and 10 Consultations	MSA/CZMA/IMMPA/Sikes Act Consultations/Compliance	Ecosystem/Habitat Restoration Plans	Habitat Suitability Assessments	RTE Species & Habitat Inventories	MBTA Surveys	Multiseasonal/Protocol Surveys	Environmental Awareness Training	Pre- and Post-Construction Monitoring	GIS Spatial Analysis and Mapping
Species Surveys for Naval Air Station Mayport (FL)	Turtle							Turtle				Turtle
Survey of Interior Least Tern on the Red River (TX, AR, OK)		Turtle	Turtle			Turtle	Turtle			Turtle		Turtle
Piping & Snowy Plover Surveys, Port Mansfield Channel (TX)			Turtle			Turtle						
San Diego Surf Fence Construction Monitoring (CA)				Turtle	Turtle	Turtle	Turtle	Turtle			Turtle	
San Diego Friendship Circle Pedestrian Fence Monitoring (CA)				Turtle	Turtle	Turtle	Turtle	Turtle			Turtle	
Fort Story Protected Species Surveys 2013 and 2014 (VA)						Turtle	Turtle	Turtle	Turtle	Turtle		Turtle
Nellis AFB Golden Eagle Surveys and Monitoring (NV)	Turtle	Turtle		Turtle			Turtle		Turtle	Turtle		Turtle
NAS JRB New Orleans Protected Species Survey (LA)						Turtle	Turtle	Turtle				Turtle
Sacramento River Vegetation Monitoring (CA)				Turtle				Turtle	Turtle			Turtle
Bugg Spring Threatened and Endangered Species Surveys (FL)	Turtle						Turtle	Turtle				Turtle
Bunker Hill Environmental Stewardship Plan (CA)		Turtle		Turtle						Turtle	Turtle	Turtle
Friendship Circle Environmental Stewardship Plan (CA)		Turtle		Turtle						Turtle	Turtle	Turtle
Bunker Hill Road Construction Monitoring (CA)				Turtle	Turtle					Turtle	Turtle	
Bird Surveys at South Texas Training Center (TX)						Turtle		Turtle		Turtle		
Naval Air Station Key West Avian Surveys (FL)	Turtle					Turtle		Turtle				
NAS Pensacola Neotropical Migratory Bird Surveys (FL)	Turtle					Turtle	Turtle	Turtle				Turtle
NSA Panama City Protected Species Surveys (FL)	Turtle					Turtle	Turtle	Turtle				Turtle
Threatened Species Surveys, Rodman Bombing Range (FL)						Turtle	Turtle	Turtle		Turtle		Turtle
RTE Species Survey, Whiting Outlying Landing Field (FL)						Turtle	Turtle		Turtle	Turtle	Turtle	Turtle
RTE Surveys, Stennis Western Maneuver Area (MS)						Turtle	Turtle	Turtle	Turtle			Turtle
A-1 Access Road Biological Survey and EIS (CA)				Turtle		Turtle	Turtle	Turtle				Turtle
Biological Monitoring, A-1 Access Road Improvements (CA)				Turtle	Turtle		Turtle				Turtle	Turtle
Fort Bliss Sensitive Animal Species Surveys (TX)						Turtle	Turtle	Turtle		Turtle		
Pondberry Profile Endangered Species Study (MS)					Turtle	Turtle	Turtle					Turtle
Biological Monitoring SBINet Ajo-1 Tower Projects (AZ)				Turtle	Turtle						Turtle	
Kinder Morgan Pipeline Pondberry Survey (MS)		Turtle					Turtle					
Slidell Airport Red-Cockaded Woodpecker Survey (LA)		Turtle	Turtle				Turtle					Turtle
Washington Parish Gopher Tortoise Survey (LA)		Turtle	Turtle				Turtle					Turtle

RTE – Rare, threatened, endangered

MBTA – Migratory Bird Treaty Act



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