



Ecological Restoration Services

Gulf South Research Corporation (GSRC) provides ecological restoration services for public and private clients. GSRC's staff, trained in conservation biology, landscape ecology, habitat restoration, and environmental horticulture, has experience in planning and implementing a variety of ecological restoration projects in the southeastern and western United States.

GSRC has successful long-standing relationships with the U.S. Army Corps of Engineers, other Federal agencies (e.g., Department of Defense, Department of Homeland Security), and private clients across the country and currently has numerous indefinite quantity contracts in place with Department of Defense agencies. GSRC's professional staff works in highly sensitive environments where rare, threatened, and endangered species are of great concern. Frequent consultations with land managers and regulatory agencies ensure that restoration efforts are carried out without adversely impacting these resources, while still providing the greatest benefits possible.

GSRC has more than 25 ecological restoration projects ongoing or completed in the last 5 years, providing clients with a broad range of services related to planning and implementing ecological restoration projects.

- Baseline Surveys
- Alternative Site Evaluation
- Habitat Modeling
- Conceptual Plans
- Benefit-Cost Analysis
- Design Plans
- Mitigation Planning

Planning Services



- Site Restoration
- Native Species Revegetation
- Irrigation Systems
- Invasive Species Management
- Nursery Operations
- Restoration Site Monitoring
- Restoration Site Maintenance

Implementation Services



Planning Services

- **Baseline Surveys** - Baseline surveys provide quantitative and qualitative descriptions of flora, fauna, soils, geologic features, and ecosystem processes
- **Alternative Site Evaluation** - Development of screening criteria and assessment of alternative sites
- **Habitat Modeling** - Quantification of suitability of vegetation communities for the support of wildlife or other resource values using industry standard models
- **Conceptual Plans** - Plans developed in sufficient detail to determine the feasibility of implementation
- **Benefit-Cost Analysis** - Estimation of costs for and comparison of the benefits and costs of alternative plans for the purpose of selecting the most cost-effective solution for producing benefits
- **Design Plans** - Site-specific landscape designs providing detailed site cross-sections, materials quantities, specifications, erosion control, and irrigation
- **Mitigation Planning** - Plans for restoring vegetation or habitat in compliance with specific agreements and standards, including developing wetland Mitigation Bank Instruments in accordance with 33 Code of Federal Regulations 332.4

Implementation Services

- **Site Restoration** - Restores topography, hydrology, and soils to pre-construction or natural conditions
- **Native Species Revegetation** - Establishment of native plant material within project boundaries from seed, cuttings, transplants, or other propagules
- **Irrigation Systems** - Design, installation, and operation of drip and conventional irrigation systems
- **Invasive Species Management** - The use of hand, mechanical, or chemical treatment methods to remove, suppress, and control noxious and invasive species
- **Nursery Operations** - Management of GSRC's native plant nursery and contracted nurseries for revegetation restoration projects
- **Restoration Site Monitoring** - Long-term oversight of site restoration to ensure compliance with restoration design plans and documentation of success criteria
- **Restoration Site Maintenance** - Spot herbicide treatments of invasive species, replacement of unsuccessful planted vegetation, and repair of irrigation systems

Ecological Restoration Projects	Planning							Implementation					
	Biological Surveys	Alternative Site Evaluation	Habitat Modeling	Conceptual Plans	Benefit-Cost Analysis	Design Plans	Mitigation Planning ¹	Site Restoration (Earth Work)	Revegetation	Irrigation	Invasive Species Control	Nursery Operations	Maintenance Monitoring
Invasive Plant Treatment, NAS Whiting Field and NOLF Harold (FL)	🌿										🌿		🌿
Habitat Restoration, Laredo Riverbend Road and Trail Project (TX)				🌿		🌿		🌿	🌿	🌿	🌿	🌿	🌿
Vegetation Rehabilitation Project, Naval Station Guantanamo Bay (Cuba)	🌿					🌿	🌿		🌿	🌿	🌿	🌿	🌿
Endangered Species Habitat Management, Bugg Spring Facility (FL)	🌿										🌿		🌿
Basewide Revegetation, Edwards AFB (CA)		🌿							🌿	🌿			🌿
Flatwoods Salamander Habitat Management, NAS Whiting Field and NOLF Holley (FL)	🌿										🌿		🌿
Growler Mountain Tower Site Restoration (AZ)	🌿		🌿	🌿		🌿	🌿	🌿	🌿	🌿		🌿	🌿
Exotic Pest Plant Species Control, Naval Weapons Station Seal Beach (CA)	🌿										🌿		🌿
Basewide Invasive Species Treatment, MCI-West MCB Camp Pendleton (CA)	🌿								🌿		🌿	🌿	🌿
Riparian Habitat Compensatory Mitigation, Vado East Levee Rehabilitation, Dona Ana County (NM)	🌿						🌿		🌿	🌿	🌿	🌿	🌿
Dulzura Creek Exotic Plant Management (CA)	🌿		🌿	🌿		🌿	🌿				🌿		🌿
Nellis AFB Invasive Species Control (NV)	🌿		🌿								🌿		🌿
Carrizo Cane Eradication & Revegetation (TX)	🌿		🌿	🌿		🌿			🌿	🌿	🌿	🌿	🌿
Laredo Aquatic Ecosystem Restoration ² (TX)	🌿		🌿	🌿	🌿		🌿						
San Marcos Aquatic Ecosystem Restoration ³ (TX)	🌿		🌿	🌿	🌿		🌿						
Rosedale Wetland Mitigation Bank (LA)			🌿	🌿		🌿	🌿						
Texada Wetland Mitigation Bank II (LA)			🌿	🌿		🌿	🌿	🌿	🌿				🌿
El Paso Floodway Revegetation Plan (TX)		🌿	🌿	🌿	🌿								
Eagle Pass Erosion Control/Revegetation (TX)	🌿		🌿	🌿					🌿	🌿	🌿		🌿
Wakarusa River Streambank Restoration (KS)	🌿	🌿	🌿	🌿	🌿	🌿							
Big Blue River Streambank Restoration (KS)	🌿	🌿	🌿	🌿	🌿	🌿							
West Bank & Vicinity Mitigation WVA ³ (LA)	🌿	🌿	🌿		🌿								
New Orleans to Venice Hurricane Protection (LA)	🌿		🌿	🌿									
Spring Canyon Wetland Mitigation (CA)	🌿		🌿	🌿		🌿	🌿	🌿	🌿	🌿	🌿	🌿	🌿
Zemurray Aquatic Ecosystem Restoration ² (LA)	🌿		🌿	🌿	🌿								
MRGO Ecosystem Restoration WVA ³ (LA)		🌿	🌿	🌿	🌿								
Yuma Mitigation Plan (AZ)	🌿	🌿		🌿	🌿	🌿	🌿						
HGM & HEP Assessments, Coldwater River (MS)	🌿		🌿				🌿						
Kansas River Basin Erosion Control (KS)	🌿	🌿	🌿	🌿	🌿	🌿							
Atchafalaya Dredged Material Site Analysis (LA)	🌿	🌿	🌿	🌿									
Vernal Pool Restoration & Monitoring (CA)	🌿		🌿	🌿		🌿	🌿	🌿	🌿	🌿			🌿
Delaware River Streambank Restoration (KS)	🌿	🌿	🌿	🌿	🌿	🌿							
Spring Lake Aquatic Ecosystem Restoration ² (TX)	🌿		🌿	🌿	🌿		🌿						

¹ Includes wetland Mitigation Bank Instruments

² Water Resources Development Act, Section 206

³ Wetland Value Assessment



8081 Innovation Park Dr.
Baton Rouge, LA 70820
Telephone (225) 757-8088

2010 W. Anklam Road, #150
Tucson, AZ 85745
Telephone (520) 396-3355

815 Bayshore Drive, Ste. B
Niceville, FL 32578
Telephone (850) 279-6088

Suna Adam – suna@gsrcorp.com
Chris Ingram – cigram@gsrcorp.com
Allen Fuller – afuller@gsrcorp.com