



ECOLOGICAL RESTORATION



Ecological restoration is one of many tools used to bring people and the environment back into balance by offsetting unavoidable project impacts and restoring finite ecological resources and functions. SWCA's ecological restoration team has experience in all phases of post-construction revegetation for any land-use activities including transmission line, pipeline and roadway rights-of-way, and solar and wind projects.

In addition, our team routinely works on species conservation and stream/wetland mitigation banks, mine reclamation, reforestation, erosion control, habitat and aesthetic improvements, post-fire restoration, reclamation planning, and success criteria monitoring.



WHY CHOOSE SWCA?

- **SWCA has a dedicated ecological restoration and engineering team** that designs, permits, and builds environmental restoration projects.
- **Our ecological restoration experts have knowledge gained from more than 5,000 projects** throughout the U.S.
- **We have the regulatory expertise and the agency relationships** to guide successful restoration projects from inception to completion.
- **Our team pioneered native habitat restoration from coastal marshes to mountain habitats**, and we have expertise in restoring a range of difficult sites from contaminated wetlands, degraded streams, rivers and lakes, mining operations, and steep failed slopes.
- **With a strong track record of approvals and successfully implemented projects**, our team will help you achieve swift issuance of any required permits/approvals to move your project forward.



Before



After

Natural Channel Design for Stream Mitigation



Wetland Mitigation Bank Development



Post-Construction Wind Farm Restoration Monitoring



Before



After

Pipeline Post-Construction Restoration and Monitoring



CAPABILITIES

- Stream and Wetland Mitigation Banking
- Conservation Banking
- Planning and Permitting
- Stream and Wetland Restoration Design/Engineering
- Design/Build Restoration
- Restoration Construction Oversight
- Post-Construction Linear Restoration and Monitoring
- Short- and Long-term Monitoring
- Sustainable Watershed Management
- Fisheries and Wildlife Habitat Restoration and Enhancement
- Erosion Control
- Pond, Lake, and River Management Plans
- Algae Control and Nutrient Management
- Water Clarification
- Bank Stabilization
- Living Shoreline Design
- Coastal and Marine
- Certified Oyster Biologists
- Dune Restoration
- Prairie and Grassland
- Post-Fire Restoration
- Invasive Species Management
- Deepwater Horizon Restoration Planning
- Natural Resources Damage Assessment



Coastal Headlands - Restoration Construction Oversight



Solar Array Invasive Species Management



Bank Stabilization - Vegetation Management/Monitoring



**EMPLOYEES WITH
RESTORATION EXPERIENCE**



**# OF STATES WHERE SWCA HAS
PERFORMED RESTORATION WORK**



Post Fire Restoration - Channel Stabilization and Revegetation

LOCAL EXPERTISE, BIG FIRM SUPPORT

SWCA has offices and staff throughout the country who provide expertise for restoration projects. We draw local, regional, and national knowledge from our remediation specialists, botanists, staff scientists, engineers, landscape designers, and subject matter experts. We can help you navigate the entire project life cycle, from site assessment, through design, permitting, and construction.

WHO WE ARE

SWCA is a nationwide environmental consulting firm. Since 1981, we've helped our clients navigate the environmental compliance process. We are recognized leaders for bringing sound science and creative solutions to every project.

Markets we serve: generation, transmission, oil and gas, government, water, mining, transportation, and land development.

For more information, visit SWCA.com.

100% *Employee* OWNED

CONTACT



KENNY CAROTHERS

Vice President Business Development
Certified Ecological
Restoration Practitioner
512.800.9895
kcarothers@swca.com



LEE FORBES

P.E., D.WRE
Director of Ecological
Restoration Engineering
832.544.0482
lforbes@swca.com



MICKEY MARCUS

Business
Development Director
Certified Ecological
Restoration Practitioner
413.531.7156
mmarcus@swca.com



Sound Science. Creative Solutions.®