SERVICES FOR

Coastal Protection and Restoration

Coastal communities are not limited to plants, animals, soil and water. In addition to important native vegetation and wildlife, they also include people and human influences. At Biohabitats, we believe that people are deeply integrated with nature in a larger, living system that is constantly changing. That is why our ecosystem protection and restoration strategies strive not only to protect natural resources and build biodiversity, but also regenerate culture, health, economy and community well-being.

What does this mean for you? It means that with Biohabitats, you can go beyond simply solving today's problems to recognizing the potential a healthy system can manifest long into the future.

COOKIE CUTTER SOLUTIONS WON'T CUT IT

Every site has its own sense of place-that certain something that makes it different from anywhere else. That is why Biohabitats spends the time to understand the uniqueness of your coastal site-its history and its promise. This understanding of your local context allows us to develop plans, actions and designs that are reachable, measurable, and sustaining. Applying ecology and engineering, we bring a strong, science-based foundation to understanding your site's natural resources. But science and engineering alone are not enough. Stakeholders often hold the final key to this understanding. By leading engaging visioning sessions, workshops, and charrettes, we can help you work with citizens, regulators, agencies, and groups to unlock the full potential of community engagement and stewardship

Once fully understood and appreciated, the natural and cultural history of your area can form the context for seamlessly blended communities of vegetation, wildlife and people that can not just coexist, but thrive.

A HOLISTIC SYSTEM

Good planning and design should permeate the entire surrounding landscape matrix. That means that the boundaries between areas designated for development or redevelopment and those for restoration and conservation should be transparent.

30 YEARS WORTH OF TRUST

Biohabitats is devoted solely to conservation planning, ecological restoration & sustainable design. Coastal resource conservation and restoration has been at the heart of our business since it was founded in 1982. With us, you have a partner whose entire body of work is ecologically focused, grounded in applied science, backed by sound engineering and engrained in environmental sustainability and stewardship.

From restoring hundreds of acres of estuarine emergent marshes, designing river and floodplain restorations, assessing site ecology, employing best management practices, monitoring outcomes and developing sustainability master plans for coastal institutions, Biohabitats has been at the forefront of coastal protection and restoration. We have helped people throughout the Atlantic seaboard, Gulf Coast, Great Lakes and San Francisco Bay to regenerate healthy, resilient coasts.

Imagine a coastal community that becomes healthier, more resilient, and increasingly vibrant over time.

Biohabitats designed and managed the construction of 12 acres of salt marsh in the Chesapeake Bay as part of an overall dredge containment facility upgrade for the port of Baltimore.

A MULTIDISCIPLINARY TEAM AT YOUR FINGERTIPS

Coastal restoration ecologists
Aquatic biologists/ecologists
Water resource engineers
Soil scientists
Fisheries biologists
Fluvial geomorphologists
Hydrogeologists
Conservation biologists
Landscape architects
GIS technicians

Biohabitats provided innovative design, construction oversight and monitoring for 15 acres of freshwater tidal wetlands.

Washington Avenue greenway shoreline restoration, Delaware Estuary

Blackwater National Wildlife Refuge wetland restoration, Cambridge, MD

Cheapeake Bay island shoreline revegetation

Galveston Island State Park ecological assessment

Oyster reef restoration in Jamaica Bay, NY

PROJECT TYPES

Coastal Tidal Wetland Restoration
Mangrove Restoration
Hydrologic Restoration
Seagrass (SAV) Bed Restoration
Oyster Reef Restoration
Shellfish Bed Restoration
Coastal Beach And Dune Habitat Restoration
Coral Reef Restoration
Invasive Species Management
Fish Passage
Marine & Estuarine Protected Areas Conservation
Climate Change Adaptation & Resiliency Planning
Damage Assessment, Remediation And Restoration
Community-Based Coastal Restoration
Urban Waterways and Shoreline (floating wetlands, living shorelines)
Watershed Management
Coastal Zone Sustainability Programs

SERVICES

Aquatic flora and fauna surveys
Rare, threatened and endangered species surveys
Invasive species surveys and management planning
Coastal environmental resource inventories
Coastal, estuary and near-shore habitat assessments
Wetland delineations and functional assessments
Post-hurricane environmental site assessments
Hydrologic and hydraulic modeling
Water quality monitoring
Natural wetlands wastewater assimilation studies
Coastal ecosystem services valuations
Sustainable development program guidelines & metrics
Marine/Estuarine protected areas assessments
Restoration concept plans
Restoration final design plans, specifications and cost estimates
Regulatory permitting
Adaptive management programs
Monitoring programs
Coastal best management practice manuals

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