

## Projects Funded in 2010

### NOAA

- **McDaniel Slough Tidal Restoration Expansion**, Arcata, CA. The City of Arcata will restore almost 50 acres of tidal and freshwater wetlands by removing barriers to fish access, deepening historic slough channels, and removing failing or obsolete levees to restore migratory fish to McDaniel Slough/Janes Creek.
- **Damde Meadows Tidal Restoration – Phase II**, Hingham, MA: Trustees of Reservations will complete the final phase of an ambitious project that will restore full tidal hydrology to the Damde Meadows, a 15-acre salt marsh located in the Boston Harbor Islands National Recreation Area. The project will completely replace two undersized concrete box culverts between Higham Harbor and Damde Meadows with 20-foot wide channels, which will help to restore the marsh and improve public safety.
- **Molokai Fishpond and Fringing Reef Restoration Project**, Kaunakakai, HI. Ka Honua Momona International will remove invasive mangroves and marine algae from inside two 15th century fish ponds on the fringing reef of the Hawaiian island of Molokai. The removal will restore 60 acres of habitat and reestablishing sediment-free freshwater sources for native species.
- **Port Susan Bay Estuary Restoration Project**, Snohomish County, WA. The Nature Conservancy of Washington will reintroduce the full tidal prism and inundation regime to 150 acres of diked farmland in the Stillaguamish River Estuary in Puget Sound. This project will address a major community flood challenge, improve the ability of fish in flood waters to return to the natural system, and allow for public access to the site.

### Corps

- **Restoring Coastal Estuarine Habitat in Three North Carolina Estuaries**, Brunswick, Carteret, Onslow and New Hanover Counties, North Carolina. The North Carolina Coastal Federation will restore 9.3 acres of oyster habitat and 1.24 acres of saltmarsh habitat across three different sites on North Carolina's coastline. This project will provide habitat for a variety of marine fish and invertebrate species as well as benefit the eastern oyster (*Crassostrea virginica*) by providing substrate for larvae to attach to, helping to increase species numbers and improve water quality in the project area.
- **Jupiter Ridge Shoreline Restoration Project**, Jupiter, Florida. The Palm Beach County Department of Environmental Resources Management will protect shoreline vegetation and seagrass from erosive wave activity through the construction of 23 limestone oyster reef/breakwaters. The oyster reef/breakwaters will be positioned to create roughly 3.5 acres of seagrass enhancement areas and approximately 1.21 acres of native estuarine vegetation will be planted to restore areas of eroded shoreline and to provide additional habitat for native species.

### Active Projects:

- **McAllis Point Estuarine Habitat Restoration**, Galveston, Texas. The Texas General Land Office will restore approximately 75 acres of intertidal marsh along the north shore of West Galveston Island. This project is designed for sea level rise, and will result in recreational opportunities and help to sustain the commercial fishing industry in the Bay.
- **Kent Island Restoration at Bolinas Lagoon**, Marin County, CA. The Marin County Open Space District and County of Marin will restore approximately 23 acres of tidal marsh and coastal dune habitat by removing invasive species and restoring native vegetation. This project will restore a regionally rare habitat and nesting habitat for endangered snowy plovers.
- **Secret Harbor Estuary and Salt Marsh Restoration**, Skagit, WA. The Washington Department of Natural Resources will restore approximately 27 acres of wetlands and upland on Cypress Island, improving water quality through restoration of tidal exchange and supporting a greater diversity of species. Nearshore fisheries and recreational and educational activities are also expected to benefit.
- **Thunder Bay Reef Habitat Restoration**, Alpena County, MI. The Michigan Department of Environmental Quality will restore 12 artificial reefs in Lake Huron's Thunder Bay to allow recovery of reef habitat lost by the past deposition of cement kiln dust along the shoreline and lake bottom. This project will benefit lake trout which have been extirpated from the lower four Great Lakes since the 1960s.
- **West Goleta Slough Restoration Project**, Santa Barbara County, CA. The Land Trust for Santa Barbara County will restore approximately 20 acres of estuarine and upland habitat by removing non-native species, planting native vegetation, and restoring water levels. This project will create habitat for rare plants and animals, increase the holding capacity of the wetland during flood events, and increase its ability to filter agricultural runoff.
- **Deadman's Island Restoration Project**, Gulf Breeze, FL. The City of Gulf Breeze will restore approximately 13 acres of salt marsh and oyster reef habitat to help with shoreline stabilization by reducing wave energy. This project will also benefit resident and migratory shore birds and enhance fish habitat.
- **City of Long Beach's Colorado Lagoon**, Long Beach, CA. The City of Long Beach and Friends of Colorado Lagoon will restore approximately 28 acres by removing contaminated sediment, re-contouring slopes around the Lagoon, and re-planting native plants. This project will remove non-native species and increase the amount of intertidal and upland habitat in the area, improving habitat for plant and animal species.  
Project status - planning and design.
- **Indian River Lagoon**, Brevard and Indian River Counties, FL. The Marine Resources Council, Florida Department of Transportation, and Indian River Lagoon Program will restore approximately 45 acres of estuarine habitat by removing invasive species and planting red and white mangroves. This project will restore an area that supports over 50 rare, threatened, or endangered species, while also reducing erosion, filtering runoff, and improving water quality.  
Project status - planning and design.
- **Banana River Estuary Restoration Project**, Cape Canaveral, Brevard County, FL. The City of Cape Canaveral will restore approximately 5 acres of forested wetland, one of the last natural habitat properties within the City. Non-native species removal and planting of

native species will occur. This project will improve wildlife habitat and water quality.  
Project status - planning and design.

- **Stewart's Creek**, Barnstable, MA. The Town of Barnstable will restore approximately 14 acres of salt marsh and an estuarine embayment by replacing an undersized culvert, thereby improving tidal flushing. This project will improve habitat for plant and animal species, and is also expected to improve water quality.

Project status - planning and design.

For more information:

[https://neri.noaa.gov/neri/class/view\\_project.jsp?action=out&project\\_id=5985](https://neri.noaa.gov/neri/class/view_project.jsp?action=out&project_id=5985)

- **Old Place Creek Berm Removal Project**, Staten Island, Richmond County, NY The New York State Department of Environmental Conservation will restore approximately 25 acres of tidal wetland habitat by removing an earthen berm and restoring the tidal connection of the site. Native species will also be planted following removal of non-native species. This project will benefit shore birds, wading birds, and waterfowl and marine and estuarine species by expanding foraging, refuge, and spawning habitat.  
Project status - planning and design.
- **Half Moon Reef Restoration Project**, Palacios/Matagorda County, TX. The Nature Conservancy will restore approximately 20 acres of oyster reef habitat in Matagorda Bay. This project will improve water quality and fish and invertebrate habitat.  
Project status - planning and design.