

Florida Potential Restoration Projects (List 2)
Natural Resource Damage Assessment
Updated 1/5/12

Please note, List 2 results from applying the following criteria to List 1 projects: project must be located in the eight county affected area, address a known, suspected or potential injury related to the *Deepwater Horizon* Oil Spill and meet the criteria of the Early Restoration Framework Agreement and the Oil Pollution Act of 1990. Projects not on List 2 may still qualify for restoration related to the spill, but will not be considered for the Early Restoration funds. The Florida Department of Environmental Protection has received project proposals for the projects described below submitted by the party listed in the description. Projects are not listed in priority order. The inclusion of a project on this list does not guarantee it will be selected and approved. All projects approved by the trustees will be subject to public review and comment.

Project	Description	County	Estimated Cost
M-1 Coastal Threatened and Endangered Species Monitoring in Florida Panhandle State Parks	Sea turtle monitoring, data collection, and nest protection will be conducted at Bald Point, St. George Island, St. Joseph Peninsula, St. Andrews, Camp Helen, Deer Lake, Grayton Beach, Topsail Hill Preserve, Henderson Beach, Perdido Key State Parks. The project includes daily Gulf of Mexico shoreline monitoring of sea turtle nesting, data collection, nest marking and nest protection during the period May 1 through October 30 for a period of 5 years. Project size is 39.6 miles. Submitted by: Florida Department of Environmental Protection, Division of Recreation & Parks	Escambia, Walton, Bay, Gulf, Franklin	\$300,000
M-2 Florida Gulf Coast Marine Fisheries Hatchery/Enhancement Center	This facility will consist of three components: 1) A state of the art recirculating aquaculture system (RAS) for the production and eventual release of sportfish species such as red snapper, red drum, and spotted seatrout. 2) An integrated coastal habitat plant production facility that provides both wastewater treatment for the fish production system and source plants for ecosystem restoration. 3) A venue for public outreach/education for marine resources conservation. Submitted by: Florida Fish & Wildlife Conservation Commission	Escambia or Bay	\$13,000,000
M-3 Urban Stormwater Retrofits – Pensacola Bay System	Stormwater treatment; estuarine water quality improvement. Submitted by: Northwest Florida Water Management District	Escambia, Santa Rosa	\$1,500,000
M-4 Urban Stormwater Retrofits – Choctawhatchee Bay	Stormwater treatment; estuarine water quality improvement. Submitted by: Northwest Florida Water Management District	Okaloosa, Walton	\$1,500,000
M-5 Restoring Oyster Habitat in Franklin and Wakulla Counties	Create and enhance degraded oyster reef habitat. Submitted by: Florida Department of Agriculture and Consumer Services	Franklin, Wakulla	\$2,620,000
M-6 Dune Habitat Restoration: Specific sites: St. George Island, Gulf Islands National Seashore, Pensacola Beach, Panama City Beach, Cape San Blas, St. Joe Peninsula.	Response activities associated with the Deepwater Horizon (DWH) event have resulted in damage to dunes in the Panhandle that were already heavily impacted by the last decade of tropical storm activity. Targeted areas have been restored, but there is still a large scale need. One of the limiting factors is capacity for growing and providing dune plants. This project should incorporate nursery development (perhaps expanding FDEP's current successful effort), dune crossings, large scale plantings/dune fencing. Submitted by: Florida Department of Environmental Protection	Escambia, Santa Rosa, Okaloosa, Bay, Gulf, Franklin	\$11,500,000
M-7 GINS Dune Restoration	The proposed project seeks to restore 145 acres of degraded dune habitat at three GINS (Gulf Islands National Seashore) locations (PKI, SRI-FP and SRI-OB) using diverse, native vegetation propagated from local stock found within the GINS areas. Submitted by: Florida Department of Environmental Protection Northwest District, partnering with the National Park Service, University of Florida, and IFAS/UF Extension (Santa Rosa, Escambia and Okaloosa/Walton Counties)	Escambia, Santa Rosa, Okaloosa	\$3,500,000

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M-8 Living Shorelines and Oyster Reef Restoration in Pensacola Bay, FL (M-9 is a duplicate of M-8)	By creating a "living shoreline" - an erosion management technique - natural coastal processes and the ecosystem services they provide to the environment and public can be restored. The objective of this project is to help restore the long-term ecosystem functioning of Pensacola Bay, Florida. We propose creating living shoreline along approximately eight miles of Blackwater Bay and East Bay of Pensacola Bay, including portions in the Yellow River Marsh Aquatic Preserve. Submitted by: The Nature Conservancy, partnering with the Emerald Coastkeeper, the Florida Department of Environmental Protection and Santa Rosa County/IFAS Extension	Escambia, Santa Rosa	\$8,000,000
M-10 Shorebird Research and Management at Florida Panhandle State Parks	The goal of this project is to increase shorebird productivity and survival through an increase in shorebird monitoring, management, and protection of nesting habitat over a 3 year period. 1) Protection of nesting habitat with symbolic fencing. 2) continued predator removal programs contracted with the USDA (e.g., we observed 80% predation rate at some parks), 3) monitoring of color marked shorebirds to understand the long term impacts on shorebird survival and continued collaboration with BP to minimize disturbance (e.g., we observed a 10% reduction in fledge rates during the spill), 4) sharing of data and results with partner agencies to improve current management throughout the gulf. Project size is 62 miles, located within 8 FL State Parks. Submitted by: Florida Department of Environmental Protection, Division of Recreation & Parks	Multiple panhandle counties	\$340,000
M-11 Enhancement of Visitation to Coastal Archaeological Sites	Assessment of over 150 archaeological sites in the park affected by the oil spill to determine their current condition and any effects on the sites from the oil spill. Assessment by a professional archaeologist of each site. Interpretive panels for the following parks: Perdido Key, Big Lagoon, Rocky Bayou, Henderson Beach, Topsail Hill, Grayton Beach, Deer Lake, Camp Helen, St. Andrews, St. Joe Peninsula, St. George Island, Bald Point, and Ochlocknee River. Project size is 150 acres. Submitted by: Florida Department of Environmental Protection, Division of Recreation & Parks	Multiple panhandle counties	\$200,000
M-12 St. Vincent Sound-to-Lake Wimico Ecosystem	The 69,453-acre St. Vincent Sound-to-Lake Wimico Ecosystem (SVSLWE) project is a mosaic of pine uplands, wet prairies, hardwood and cypress swamps that flank portions of three rivers, coastal bluffs and salt marshes fronting on St. Vincent Sound. Fee acquisition of the SVSLWE project will forge an interconnected conservation area of 900,000+ acres that includes Apalachicola River WMA, Apalachicola River WEA, Apalachicola NF, Tate's Hell SF, Box-R WMA, Apalachicola Bay NERR and St. Vincent NWR. Funding available: \$2,500,000. Submitted by: The Nature Conservancy, partnering with Florida Department of Agricultural and Consumer Services/Division of Forestry, United States Fish and Wildlife Service, and FL Department Environmental Protection/Office of Coastal and Aquatic Managed Areas	Franklin, Gulf	\$105,000,000
M-13 St. Vincent National Wildlife Refuge Lake Wimico Land Acquisition	Acquire 67,000 acres. Connects Lake Wimico to St. Vincent Sound; keystone piece in the completion of the National Wildlife Refuge. Hot spot of regional biodiversity. Protection of 2 major estuarine systems would provide significant water quality benefits to oyster and scallop populations in Apalachicola and St. Joseph's Bays. Diverse habitat for resident, migrating and nesting spill-affected species. Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife	Franklin, Gulf	\$101,000,000
M-14 Oyster Reef Restoration in the Pensacola Bay System, Florida	Restore oyster reefs in the Pensacola Bay system in Escambia and Santa Rosa Counties by placing 12,000 cubic yards of shell on debilitated oyster reefs over a 60 acre area. Funding available: \$212,000. Submitted by: Florida Department of Agriculture and Consumer Services	Escambia, Santa Rosa	\$788,600

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M-15 Rattlesnake Bluff Road and Riverbank Restoration Project	The objective of this project is to stabilize Rattlesnake Bluff Road and nearby eroded riverbank sites in order to reduce sediment pollution to the Yellow River and Pensacola Bay and provide a reliable thoroughfare for the public. Submitted by: The Nature Conservancy, partnering with the US Fish and Wildlife Service, the Department of Defense, and Florida Fish and Wildlife Conservation Commission	Santa Rosa, Okaloosa	\$3,000,000
M-16 Large Scale Seagrass Restoration and Protection (MERGED INTO EMERGENCY RESTORATION PROJECT)	Vessels of opportunity, boom placement and recovery have resulted in damage to seagrasses in ecologically sensitive areas. This project would restore and benefit seagrass habitat in the Panhandle. This would be implemented as a state-lead program. There are multiple sites throughout the Panhandle that have been impacted by oil spill response efforts. These sites would benefit from a mixture of direct prop scar restoration and signage/posting to protect shallow and sensitive areas. Specific locations include Perdido Bay, Big Lagoon, St. Joe Peninsula, St. Andrew Bay. Submitted by: Florida Department of Environmental Protection	Escambia, Bay, Gulf	\$5,000,000
M-33 Restoring the Night Sky over Panhandle Conservation Lands	Proposal to reduce the impact of beachfront lights on marine turtles, shorebirds, and beach mice within and adjacent to state, federal, and local conservation lands in the Florida Panhandle. Periodic and annual surveys to identify and to replace problem lights with more appropriate, wildlife "friendly" lights; training programs for local government staff; training and educational workshops for local residents and property owners; and development and implementation of site-specific light management plans for conservation lands and adjacent private properties in each of the eight coastal counties. Submitted by: Florida Fish and Wildlife Conservation Commission	Eight coastal panhandle counties	\$3,243,163
M-34 A Comprehensive Program for Restoration and Management of Beach-Nesting Sea- and Shorebird Populations in the Florida Panhandle	Proposal includes monitoring and posting of important nesting sites (combined with training, outreach, and enforcement to ensure effectiveness of such efforts) and predator control. Estimated cost: \$2,376,600 (Posting \$955,000; LE \$350,000; Predator \$1,071,600). Submitted by: Florida Fish and Wildlife Conservation Commission	Escambia, Santa Rosa, Okaloosa, Walton, Bay, Gulf, Franklin	\$2,376,600
M-35 Scallop Enhancement for Increased Recreational Fishing Opportunity in the Florida Panhandle	Proposal to use existing restoration methodology (wild harvest of juveniles and supplemental hatchery production) to enhance bay scallop populations in the bays of Florida's panhandle. Estimated cost: \$660,000 for five years / \$1,460,000 for ten years. Submitted by: Fish and Wildlife Research Institute, Florida Fish and Wildlife Conservation Commission	Bay, Walton, Okaloosa, Santa Rosa, Escambia	\$1,460,000
M-36 Dune Habitat Restoration: Gulf Islands National Seashore and Santa Rosa Sound/Navarre, FL	The project consists of restoring 145 acres of dune habitats at three Gulf Islands National Seashore locations and 130 acres of dune habitats along Santa Rosa Sound. The project also includes plant propagation and dune vegetation plantings. In addition, the project would include the infrastructure development of a series of greenhouses across the panhandle. Submitted by: NOAA, NMFS, OHC	Escambia, Santa Rosa, Okaloosa	\$9,500,000
M-37 Health and Impact Assessment of the Choctawhatchee Bay and Coastal Dune Lakes	The Choctawhatchee Basin Alliance (CBA) has "pre" oil impact information, and is requesting funding to create a "post" water quality database to accurately assess the health of the Choctawhatchee Bay, Choctawhatchee River, and the globally rare Coastal Dune Lakes. Projects also include installation of bridges in place of culverts on four coastal dune lakes in south Walton County, as well as living shoreline projects within Choctawhatchee Bay. Submitted by: Choctawhatchee Basin Alliance of Northwest Florida State College	Okaloosa, Walton, Bay	\$11,900,000

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M-41 Coastal Habitat Restoration: Eliminating Light Pollution on Sea Turtle Nesting Beaches	This project proposes to build on a successful lighting retrofit program funded in 2010 by the National Fish and Wildlife Foundation's Recovered Oil Fund for Wildlife. STC requests NRDA Early Restoration funds to extend the project into the Panhandle. Funding available: \$100,000. Submitted by: Sea Turtle Conservancy	7 coastal panhandle counties (Escambia, Santa Rosa, Okaloosa, Walton, Bay, Gulf, Franklin)	\$600,000
E-1 Escambia County Artificial Reef Construction (Combined with E-31, a duplicate submittal)	Construction of approximately 32 artificial reefs in Escambia Nearshore East and West Artificial Reef Sites and/or other permitted artificial reef sites. Each reef will consist of concrete and/or steel materials consistent with existing permits issued by Florida Dept. of Environmental Protection and US Army Corps of Engineers. Funding available: \$100,000. Submitted by: Escambia County Board of County Commissioners	Escambia	\$2,240,000
E-2 Project GreenShores- Seagrass, Salt Marsh and Oyster Habitat Restoration (Combined with E-14)	Proposal to complete restoration at Project GreenShores with the addition of 3.5 acres of salt marsh and seagrass habitat and 8 acres of oyster habitat. Submitted by: Florida Department of Environmental Protection, partnering with the City of Pensacola, Ecosystem Restoration Support Organization, and Emerald Coastkeepers	Escambia	\$1,750,000
E-3 Perdido Key Dune Crossovers (Can be combined with E-5 and E-9)	The project is seeking to construct three dune crossovers on Perdido Key to enhance public access to the Gulf beaches and protection of dune resources, while providing a structure that will support human safety response activities. This project will include installing sand in the access points to match neighboring dune elevations and construction of a 12-foot wide wooden crossover capable of supporting emergency vehicular vehicles (length will vary at each location). Benefits will include improving connectivity of Perdido Key beach mouse habitat, improved storm protection, and providing for dune protection. Submitted by: Escambia County Board of County Commissioners	Escambia	\$210,000
E-4 Public Boat Ramp Enhancement: Pensacola Bay System	This proposal seeks funding to repair one existing boat ramp (Navy Point Park Public Boat Ramp N30-22.8'/W087-16.9'), and construct one new boat ramp facility (Mahogany Mill Public Boat Ramp N30-23.9'/W087-14.9') to restore the past condition of Escambia County boat ramps and to offset the lost opportunity of boating access. Submitted by: Escambia County Board of County Commissioners, partnering with the Escambia County Marine Advisory Committee	Escambia	\$2,030,000
E-5 Marine Turtle Program (Can be combined with E-3 and E-9)	The project is seeking to enhance the opportunity for marine turtles to successfully nest and to minimize opportunity for hatchlings to become disoriented. As a result of the Deepwater Horizon oil spill, the entire 2010 recruitment of turtles was relocated to the Atlantic coast. To offset this loss off recruitment, Escambia County is seeking funding to enhance monitoring, education, and night lighting reduction programs within our jurisdiction. Submitted by: Escambia County Board of County Commissioners	Escambia	\$500,000
E-6 Dune Restoration, Pensacola Beach	The western boundary of Pensacola Beach lies approximately 7.5 miles east of Pensacola Pass. From that point of origin the project would progress approximately 4.2 miles to the east. This beach segment has been engineered and augmented through two prior nourishment projects. The project will consist of planting appropriate dune vegetation approximately 40' seaward of the existing primary dune on one foot centers to provide a buffer to the primary dune and enhance dune habitats. Submitted by: Escambia County Board of County Commissioners	Escambia	\$585,898

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E-7 Big Lagoon State Park Boat Ramp Improvements	This project would involve improving the boat ramp area to expand and enhance its use by park visitors. It would include adding an additional lane to the boat ramp, expanding boat trailer parking, improving circulation at the boat ramp and providing a new restroom. This project would rely on the completion of the project to connect the park to the city sewer septic system drainfield. This would require coordination with Escambia County to connect park facilities to the county's central sewer line. Project area is 10 acres. Submitted by: Florida Department of Environmental Protection, Division of Recreation & Parks	Escambia	\$610,000
E-8 Dune Restoration, Perdido Key	The project area on Perdido Key is within Escambia County, FL. Perdido Key is located primarily in Escambia County, is approximately 15 miles long, and extends from Pensacola Pass to the east to Perdido Pass to the west. The project area begins approximately 2.2 miles east of Perdido Pass at the Florida/Alabama state line and extends approximately 6 miles to the east. The project will consist of planting appropriate dune vegetation approximately 40' seaward of the existing primary dune on one foot centers to provide a buffer to the primary dune and enhance dune habitats. Submitted by: Escambia County Board of County Commissioners	Escambia	\$1,300,000
E-9 Shorebird Program - Escambia County (Can be combined with E-3 and E-5)	The project is seeking to enhance the opportunity for shorebirds to successfully forage and nest on Escambia County's barrier islands. To offset projected loss of recruitment of shorebird nests resulting from the Deepwater Horizon oil spill, Escambia County is seeking funding to acquire, restore, enhance and monitor habitat and establish an education program regarding shorebirds. Submitted by: Escambia County Board of County Commissioners	Escambia	\$500,000
E-10 Perdido Key, Beach Nourishment (Same area as E-16)	The project area on Perdido Key is within Escambia County, FL. Perdido Key is located primarily in Escambia County, is approximately 15 miles long, and extends from Pensacola Pass to the east to Perdido Pass to the west. The project area begins approximately 2.2 miles east of Perdido Pass at the Florida/Alabama state line and extends approximately 6 miles to the east. The first two miles consists of dune restoration, the next 1.7 miles within Perdido Key State Park consists of low sand placement on the upper beach, and the remainder as a traditional beach nourishment project extending into the Gulf. Submitted by: Escambia County Board of County Commissioners	Escambia	\$14,600,000
E-11 Public Boat Ramp Enhancement: Perdido Bay System	This proposal seeks funding to repair/modify one existing boat ramp (Galvez Landing Public Boat Ramp N30-18.8'/W087-26.5'), and acquire property and construct one new boat ramp facility (Perdido Public Boat Ramp N30-31.4'/W087-26.7') to restore the past condition of Escambia County boat ramps and to offset the lost opportunity of boating access. Submitted by: Escambia County Board of County Commissioners, partnering with the Escambia County Marine Advisory Committee	Escambia	\$2,376,309
E-12 Perdido Key State Park Beach Boardwalk Improvements	This project would involve the replacement of the boardwalks leading to the beach. The existing boardwalks were reconstructed too low to the ground after Hurricane Ivan and are now being inundated by the recovering dune system. Replacement of the boardwalks would greatly improve and protect the federally listed Perdido Key Beach Mouse and its habitat that exist in the park, allow for greater recovery of the dune system and provide improved access for visitors. Project size is 5 acres. Submitted by: Florida Department of Environmental Protection, Division of Recreation & Parks	Escambia	\$5,000,000
E-13 Big Lagoon State Park Seagrass Buoy Installation	Install 17 permitted "Swim Area -Vessel Exclusion" buoys or signs at East Beach use area of Big Lagoon State Park for sea grass protection, and recreational swimming area. Project will create buffered zone for shorebirds by excluding boat landings in areas and will establish a managed swim area to focus impacts from swimmers in appropriate areas. Project are is 1.1 miles. Submitted by: Florida Department of Environmental Protection, Division of Recreation & Parks	Escambia	\$25,250

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E-15 Sanders Beach Habitat Restoration	The objective of the proposed project is to restore long-term ecosystem functioning to the Pensacola Bay System through the restoration/creation of approximately 30 acres of seagrass beds, salt marsh habitat and oyster reefs on City of Pensacola owned submerged lands. Project design is in the conceptual phase but the intention is to expand on the successful Project GreenShores restoration effort located approximately 5 miles to the east along the northern shore of Pensacola Bay. Submitted by: Florida Department of Environmental Protection, partnering with Emerald Coast Keepers, the City of Pensacola and Sanders Beach Homeowners Association	Escambia	\$6,000,000
E-18 Pensacola Beach (Duplicate of E-17)	8.2 mile segment of already critically eroded beach with additional impacts as a result of the oil spill and response efforts. The borrow area will need to be assessed for oil contamination prior to construction of the hurricane recovery project. Submitted by: Florida Department of Environmental Protection	Escambia	\$10,465,000
E-21 Marine Debris Removal within inshore site, offshore and inshore biological and physical monitoring of sand source borrow areas used for beach restoration, Big Lagoon (Perdido Key NS)	Monitor impacts of the removal of 750,000 pounds of sand for beach renourishment, tag 25 sea turtles; remove marine debris. Submitted by: Florida Department of Environmental Protection	Escambia	\$1,088,000
E-22 Restoring Water Quality: Improvements through the removal of submerged creosote timbers from Bayou Chico, Escambia County	Remove unknown number of creosote piling from Bayou Chico (an EPA impaired waterway). Submitted by: Pensacola Environmental Services, Inc	Escambia	\$1,960,965
E-23 Restoring Water Quality and Estuarine Benthic invertebrate habitats through the removal of abandoned marine structures within the Pensacola and Perdido Bay Systems	Remove approximately 17,500 pier pilings which are likely sources of contamination in the Pensacola and Perdido Bay area. Submitted by: Pensacola Environmental Services, Inc	Escambia	\$1,960,965
E-24 Pensacola Bay Benthic Infauna Restoration for Water Quality Improvement	This proposed project will restore 100 acres of benthic infauna habitat in the Pensacola Bay System. The restoration of benthic infauna habitat will mitigate the impacts of the Deepwater Horizon oil spill, as well as make Pensacola Bay more resilient to future accidents. These benthic infauna restoration projects will improve water quality, increase aquatic habitat, and increase aquatic nursery areas in the Pensacola Bay System. Submitted by: Escambia County Board of County Commissioners	Escambia	\$10,000,000
E-25 Pensacola Bay Stream Restoration for Water Quality Improvement	This proposed project will restore 50 miles of streams in the Pensacola Bay System. The restoration of these streams will mitigate the impacts of the Deepwater Horizon oil spill, as well as make Pensacola Bay more resilient to future accidents. These natural stream channel restoration projects will improve water quality, increase aquatic habitat, and increase aquatic nursery areas in the Pensacola Bay System. Submitted by: Escambia County Board of County Commissioners	Escambia	\$10,000,000

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E-26 Pensacola Bay Wetlands Restoration for Water Quality Improvement (Can be combined with E-29)	This proposed project will restore 100 acres of wetlands in the Pensacola Bay System. The restoration of these wetlands will mitigate the impacts of the Deepwater Horizon oil spill, as well as make Pensacola Bay more resilient to future incidents. Restoring and creating Pensacola Bay coastal emergent marsh wetlands will improve water quality, improve fishery habitat, improve bird habitat, and reduce shoreline erosion. Submitted by: Escambia County Board of County Commissioners	Escambia	\$10,000,000
E-27 Perdido Bay Benthic Infauna Restoration for Water Quality Improvement	This proposed project will restore 100 acres of benthic infauna habitat in the Perdido Bay System. The restoration of benthic infauna habitat will mitigate the impacts of the Deepwater Horizon oil spill, as well as make Perdido Bay more resilient to future accidents. These benthic infauna restoration projects will improve water quality, increase aquatic habitat, and increase aquatic nursery areas in the Perdido Bay System. Submitted by: Escambia County Board of County Commissioners	Escambia	\$10,000,000
E-28 Perdido Bay Stream Restoration for Water Quality Improvement	This proposed project will restore 50 miles of streams in the Perdido Bay System. The restoration of these streams will mitigate the impacts of the Deepwater Horizon oil spill, as well as make Perdido Bay more resilient to future accidents. These natural stream channel restoration projects will improve water quality, increase aquatic habitat, and increase aquatic nursery areas in the Perdido Bay System. Submitted by: Escambia County Board of County Commissioners	Escambia	\$10,000,000
E-29 Perdido Bay Wetlands Restoration for Water Quality Improvement (Can be combined with E-26)	This proposed project will restore 100 acres of wetlands in the Perdido Bay System. The restoration of these wetlands will mitigate the impacts of the Deepwater Horizon oil spill, as well as make Perdido Bay more resilient to future incidents. Restoring and creating Perdido Bay coastal emergent marsh wetlands will improve water quality, improve fishery habitat, improve bird habitat, and reduce shoreline erosion. Submitted by: Escambia County Board of County Commissioners	Escambia	\$10,000,000
E-30 Escambia County Oyster Reef Restoration and Monitoring	This proposal seeks funding to monitor and renourish existing oyster reefs and to construct new oyster reefs within Pensacola Bay and Escambia Bay. Escambia County will coordinate to renourish existing permitted oyster reefs and establish new oyster reefs within local waterways. Submitted by: Escambia County Board of County Commissioners, partnering with the Florida Division of Aquaculture, Ecosystem Restoration Support Organization, and Florida Fish and Wildlife Research Institute	Escambia	\$4,000,000
E-31 Escambia County Artificial Reef Construction	Construction of approximately 32 artificial reefs in Escambia Nearshore East and West Artificial Reef Sites and/or other permitted artificial reef sites. Each reef will consist of concrete and/or steel materials consistent with existing permits issued by Florida Dept. of Environmental Protection and US Army Corps of Engineers. Funding available: \$100,000. Submitted by: Escambia County Board of County Commissioners	Escambia	\$2,240,000
E-32 Perdido Key Land Acquisition	The project is seeking to acquire land on Perdido Key to enhance public access to the Gulf beaches and Perdido Bay, protect listed species habitat, and provide for passive recreational activities. Of the total \$34 million originally requested, \$18 million is being requested for early restoration. A grant from US Fish and Wildlife (\$2 million) has been applied for through their Section 6 program as supplemental/matching funds. Submitted by: Escambia County Board of County Commissioners	Escambia	\$18,000,000

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E-33 Escambia County Passenger Ferry Service	A passenger ferry service connecting various points along the Escambia County mainland, Perdido Key and Santa Rosa Island waterfronts will provide alternative transportation for residents and visitors desiring an enjoyment of the journey as well as the destination. Four, shallow-draft diesel (bio-diesel) vessels 50-65 feet in length, with passenger capacity of 75-150 persons, will be acquired and operated for two years under this proposal. Submitted by: Escambia County Board of County Commissioners, partnering with the Escambia County Area Transit Authority and the Santa Rosa Island Authority	Escambia	\$4,000,000
E-34 Bayou Chico Mooring Field	Escambia County boaters, marine dealers and water-dependent businesses were impacted by the loss of the 2010 boating season due to the Deepwater Horizon Oil Spill. This proposal seeks to mitigate those losses via construction of a mooring field to stimulate and support increased boating and tourism on local waterways. Escambia County has conducted a preliminary analysis to establish a mooring field to provide safe mooring of vessels. This proposal seeks funding to construct a mooring field in Bayou Chico. Submitted by: Escambia County Board of County Commissioners, partnering with Bayou Chico Association	Escambia	\$100,000
E-35 Bayou Chico Municipal Marina	This proposal seeks to mitigate those losses via construction of a municipal marina, paddle craft access launch, and public waterfront area to stimulate and support increased access, boating and tourism on local waterways. This proposal seeks funding to construct a municipal marina, waterfront public meeting area, paddle craft access launch in Bayou Chico. Submitted by: Escambia County Board of County Commissioners, partnering with Bayou Chico Association	Escambia	\$2,500,000
E-36 Perdido Bay Stormwater Restoration for Water Quality Improvement (Can be combined with E-37)	The Deepwater Horizon oil spill negatively affected water quality, aquatic habitat, and aquatic nursery areas in Escambia County, Florida. This proposed project will restore and retrofit 4000 acres of stormwater discharges in the Perdido Bay System. The restoration and retrofit of these stormwater discharges will mitigate the impacts of the Deepwater Horizon oil spill, as well as make Perdido Bay more resilient to future accidents. These stormwater restoration projects will improve water quality, increase aquatic habitat, and increase aquatic nursery areas in the Perdido Bay System. Submitted by: Escambia County Board of County Commissioners	Escambia	\$10,000,000
E-37 Pensacola Bay Stormwater Restoration for Water Quality Improvement (Can be combined with E-36)	The Deepwater Horizon oil spill negatively affected water quality, aquatic habitat, and aquatic nursery areas in Escambia County, Florida. This proposed project will restore and retrofit 4000 acres of stormwater discharges in the Pensacola Bay System. The restoration and retrofit of these stormwater discharges will mitigate the impacts of the Deepwater Horizon oil spill, as well as make Pensacola Bay more resilient to future accidents. These stormwater restoration projects will improve water quality, increase aquatic habitat, and increase aquatic nursery areas in the Pensacola Bay System. Submitted by: Escambia County Board of County Commissioners	Escambia	\$10,000,000
E-38 Bayou Chico Estuarine Restoration	This project proposes estuarine restoration and sediment removal in Escambia County. Submitted by: Northwest Florida Water Management District	Escambia	\$8,000,000
E-39 Restoration / Creation of Regional Fish Habitat, Escambia County	Create 2 new artificial reef sites with 304 new patch reefs. Submitted by: Escambia County Board of County Commissioners	Escambia	\$1,860,000
E-42 Bob Sikes Pier, Parking and Trail Restoration	Enhancement of pier, parking, and trail in the Pensacola area. Improvements will include the addition of solar lighting, minor modifications to more readily accommodate the handicapped, renovation of parking areas, informational signage, and widening the bicycle/pedestrian trail. Funding available: \$357,000. Submitted by: Escambia County	Escambia	\$957,000

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E-43 Quietwater Beach Restoration	This project seeks to restore both the recreational amenity value and storm protection function of the Quietwater Beach shoreline along the Santa Rosa Sound at Pensacola Beach, Florida. Based on existing conditions, a placement of approximately 20,000 cubic yards of beach quality sand along the eastern 2,000 feet of shoreline would significantly restore recreational beach space, recapture sewer infrastructure from the water back into uplands, and provide more predictable storm protection along the project shoreline. Funding available: \$200,000. Submitted by: Santa Rosa Island Authority, partnering with Escambia County Board of County Commissioners	Escambia	\$900,000
E-44 Restoration, Improvement and Cleanup in Bayou Chico in Escambia County, Pensacola Bay, Florida	The Bayou Chico Watershed, located in south Escambia County, has a 10 square mile drainage area. Large scale restoration and improvement will include clean-up of the channeled areas, modifications of entries of any toxic potential influx of pollutants, solar and mechanical ingenuity to increase water clarity, promote fish habitat and overall water quality. In addition, this project includes natural resource filtering in some areas of pollutant entries and protection and prevention methods of future contaminants. Submitted by: The Bayou Chico Association	Escambia	\$1,200,000
SR-1 Navarre Beach Marine Sanctuary Reef Project	Phases I and II of The Navarre Beach Marine Sanctuary project consist of installing a Gulf-side snorkeling reef and two Sound-side snorkeling reefs. Submitted by: Navarre Beach Area Chamber of Commerce Foundation, Inc., partnering with Santa Rosa County Tourist Development Council (TDC), Walter Marine Artificial Reefs/"Reefmaker," and Escambia County Marine Resources	Santa Rosa	\$235,000
SR-2 Garcon Point (Pensacola Bay) Restoration	Oyster reefs provide important habitat and act as storm barriers for upland marshes and forested wetlands. Installing oyster reef (oyster shell mounds and Reef Block) along 2 miles of shoreline at 2 sites on opposite sides of Garcon Point and restoring oyster reef and salt marsh habitat in eroded areas will speed the recovery of salt marsh and wetlands potentially impacted by oil. Includes public access component. Submitted by: Bay Area Resource Council	Santa Rosa	\$835,000
SR-3 Estuarine Coastal Restoration, Stabilization and Protection using the creation of an intertidal oyster reef, Blackwater Bay, Milton, FL	Construct oyster reef breakwater to prevent further erosion of coastline. Submitted by: Florida Department of Environmental Protection	Santa Rosa	\$1,081,640
SR-4 Santa Rosa Island Dune Restoration	The proposed project will provide an education/outreach strategy to disseminate educational materials and project overview demonstrating the relationship between coastal resources, community/humanity, endangered species impacts, and socioeconomic effects. Submitted by: Florida Department of Environmental Protection Ecosystem Restoration Section, partnering with Santa Rosa County, the University of Florida and UF/IFAS Extension	Santa Rosa	\$3,500,000
SR-5 Navarre Beach Restoration - Navarre Beach Berm & Dune Renourishment Project	The project consists of restoring the two-tiered beach berm and dune over a 4.1 mile project shoreline and planting of native plants on top of the constructed dune. Submitted by: Santa Rosa County	Santa Rosa	\$8,460,000
SR-6 Relocation of the Navarre Beach Waste Water Treatment Plant Outfall	Design and construct a pipeline, public-access reuse distribution system, and a rapid rate infiltration basin site to provide alternative locations for discharging the effluent. Submitted by: Santa Rosa County	Santa Rosa	\$17,300,000

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Project	Description	County	Estimated Cost
SR-7 Garcon Ecosystem Florida Forever Project/Yellow River Marsh State Park/Garcon Point Water Management Area/Yellow River Marsh Aquatic Preserve	Land acquisition of approximately 7,724 acres among multiple parcels. Management will include restoration of disturbed natural communities and perpetuation and maintenance of natural communities including regular prescribed burns to manage and maintain native vegetation. A burn management plan will be developed and ongoing species surveys and other management activities conducted. Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife	Santa Rosa	\$19,435,000
SR-12 Yellow River Marsh Aquatic Preserve Shoreline Stabilization and Restoration	Restore and enhance approximately 10 acres of shoreline and submerged lands within the Yellow River Marsh Aquatic Preserve. Provide protection and enhancement of the coastal upland 400 acre continuous parcel of the Yellow River Marsh Preserve State Park. Submitted by: Florida Three Rivers Resources Conservation and Development	Santa Rosa	\$408,600
SR-15 Navarre Beach Park Gulfside Walkover Complex	This project involves design, permitting and construction of a "Dune Walkover Complex" on the gulf within the Navarre Beach Park. The Complex consists of an entrance/driveway and parking area, restroom facility, pavilions with boardwalk connections and dune walkover with access to the shoreline. Submitted by: Santa Rosa County Board of County Commissioners	Santa Rosa	\$680,000
SR-16 Bagdad Mill Site Passive Park Coastal Access Improvements	The Bagdad Mill Site Passive Park is a 18 acre unimproved park located at the confluence of Blackwater River and Pond Creek in Bagdad, Florida. The park is owned by the State of Florida and leased through the Office of Greenways and Trails to Santa Rosa County BOCC for development of a passive park. There are several water access improvements planned for the Park including: fishing piers, boat tie-up, and kayak launch with support features including boardwalks and parking lot. Submitted by: Santa Rosa County Board of County Commissioners	Santa Rosa	\$609,833
SR-17 Navarre Beach Park Coastal Access, Restoration & Resource Conservation Project	The first component involves new infrastructure, including design and construction of two Beach Access Boardwalks from existing pavilion/parking lot areas to the Santa Rosa Sound, and a kayak/canoe launch. The second component involves conservation and restoration of habitat including enhancing native coastal vegetation and dune plants for habitat restoration and erosion control. The third component involves design and construction of a sea turtle rehabilitation center with the means to assist with the local Sea Turtle Stranding Network. Rescued turtles would be housed until they could be transferred to a larger facility. Submitted by: Santa Rosa County Board of County Commissioners	Santa Rosa	\$1,534,000
SR-18 Deadman's Island Oyster Reef Habitat Breakwater and Living Shoreline	Place an 850 foot ecodisc oyster reef within the permitted breakwater footprint of Deadman's Island. Move from upland, by track hoe, about 9,000 cubic yards of sand for gradual succession dune building over two years and plant 20,000 dune plants and 30,000 shoreline vegetation. Submitted by: The City of Gulf Breeze	Santa Rosa	\$420,000
O-1 Choctawhatchee Bay Oyster Reef and Salt Marsh Restoration	Construct multiple oyster reefs and salt marsh restorations along the Choctawhatchee Bay shoreline in coastal Okaloosa County. Submitted by: Okaloosa County, partnering with the City of Fort Walton Beach, The Northwest Florida Water Management District, and the Choctawhatchee Basin Alliance	Okaloosa	\$3,000,000
O-2 Okaloosa Island Dune Restoration	Plant sea oats in the dunes of Okaloosa Island with local resident volunteers. Funding available: \$42,177. Submitted by: The Condo Alliance of Okaloosa Island	Okaloosa	\$34,452

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Project	Description	County	Estimated Cost
O-3 Northwest FL estuarine habitat restoration, protection and education, Ft. Walton Beach	<p>The proposed project aims to restore and protect habitat for many important waterbird and inshore species found in the Greater Ft. Walton Beach area of Northwest FL, including several state and federal listed species. This will be accomplished through estuarine shoreline plantings, oyster reef restoration, shoreline protection zones, and educational boardwalk complete with bird viewing stations and educational signage.</p> <p>Submitted by: The City of Ft. Walton Beach</p>	Okaloosa	\$5,755,743
O-4 Fort Walton Beach Shorewalk - Habitat Restoration and Education	<p>Restore estuarine shoreline of Santa Rosa Sound in Fort Walton Beach by installing native estuarine grasses, an artificial reef, and an interactive educational boardwalk. Funding available: \$84,500.</p> <p>Submitted by: The City of Fort Walton Beach</p>	Okaloosa	\$3,880,000
O-5 Ft. Walton Beach and Okaloosa Island, Beach Restoration and Nourishment, Okaloosa County	<p>2.8 mile segment of critically eroded beach as well as additional impacts as a result of the oil spill and response efforts this year. The borrow area may need to be assessed for oil contamination prior to the restoration project.</p> <p>Submitted by: Florida Department of Environmental Protection</p>	Okaloosa	\$17,000,000
O-6 Western Destin, Okaloosa County	<p>The western 1.7 miles of Destin was designated as a critically eroded beach and had additional impacts as a result of the oil spill and response efforts. The Department issued a Notice of Intent to Issue a Joint Coastal Permit for the Western Destin Beach Restoration Project, R16.6 - R25.5. Because the area between R17 and R20 (Holiday Isle) suffered severe erosion from storm events, including Tropical Storm Ida, the Department issued an Emergency Joint Coastal Permit for emergency restoration on April 6, 2010. While this portion of emergency restoration was completed at a cost of \$2,000,000 on September 22-23, 2010, R20 through 25.5 remains un-renourished (local sponsor is withdrawn for R22.6-R23.2) and the entire R16.6 through 25.5 remains in need of restoration for project completion.</p> <p>Submitted by: FL Department of Environmental Protection</p>	Okaloosa	\$11,400,000
O-7 Eastern Destin, Okaloosa County	<p>The eastern segment of Destin, R39 through R50, was designated as a critically eroded beach and had additional impacts as a result of the oil spill and response efforts.</p> <p>Submitted by: Florida Department of Environmental Protection</p>	Okaloosa	\$7,000,000
O-8 Okaloosa Island and Western Destin Beach Restoration Projects (Includes O-5, O-6, and O-7)	<p>Designed to construct pre-Hurricane Opal beach widths on Okaloosa beach and Destin beach.</p> <p>Submitted by: Okaloosa County, partnering with the City of Destin</p>	Okaloosa	\$25,000,000
O-9 Choctawhatchee Bay Water Quality Initiative	<p>Install stormwater separators at multiple saltwater outfall locations throughout the bay to reduce continued pollutant loading.</p> <p>Submitted by: Okaloosa County, partnering with the City of Fort Walton Beach</p>	Okaloosa	\$5,000,000
O-10 Stabilization of Norriego Point	<p>Stabilize Norriego Point by constructing erosion control structures, replacing eroded sand, and restoring the dune. The point covers 17-20 acres of undeveloped sandy beach and dunes. The project total cost estimate is \$6.93 million to construct the structures (\$6.4 M), replace the eroded sand (\$497,000) and restore the dune. In the application, a 10% contingency was included on all costs. Costs for ongoing operations and maintenance of the project were not included. The construction is anticipated to be completed in one year.</p> <p>Submitted by: City of Destin, partnering with the Army Corps of Engineers, Florida Department of Environmental Protection, Okaloosa County</p>	Okaloosa	\$6,930,000

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Project	Description	County	Estimated Cost
O-12 Gary Smith Honda Stormwater Retrofit	Stormwater Retrofit along Coral Court SW and U.S. Highway 98 in the City of Fort Walton Beach in front of 225 Miracle Strip Parkway SW (Gary Smith Honda). This infrastructure directly discharges into Santa Rosa Sound and eventually Choctawhatchee Bay in Okaloosa County, Florida. This proposal is to install new piping to stop the system from further polluting Santa Rosa Sound and Choctawhatchee Bay and prevent these pollutants from entering receiving waters. Submitted by: The City of Fort Walton Beach	Okaloosa	\$1,300,000
O-13 Lake Lorraine Estates Stormwater Retrofit	The stormwater system in Lake Lorraine Estates subdivision is failing because of deteriorating pipes. This proposal is to install new stormwater pipes throughout the Lake Lorraine Estates subdivision to reduce continued pollutant loading. Submitted by: Okaloosa County	Okaloosa	\$500,000
O-14 Valparaiso Boulevard Drainage Improvements	The Valparaiso Blvd. Drainage Project is designed to improve the water quality of Boggy Bayou and the Choctawhatchee Bay System. The project calls for installation of a swale treatment system with control structures and piping on the right of way of Valparaiso Blvd. that will collect stormwater and direct it into a detention facility/treatment pond. This design provides additional surface area exposure for percolation into the ground surface and will relieve some of the localized flooding that has occurred during high rainfall events. Submitted by: City of Niceville	Okaloosa	\$400,000
O-15 First Baptist Church Drainage Improvements Project	The 1st Baptist Church Drainage Improvements Project is designed to improve the water quality of Boggy Bayou and the Choctawhatchee Bay watershed. There is no stormwater management, water quality treatment and limited conveyance for this part of the city. This drainage improvement project would include construction of a new closed conveyance system to capture and transport the runoff to a proposed stormwater management facility. Submitted by: City of Niceville	Okaloosa	\$432,000
O-16 West County Regional Stormwater Retrofit	The stormwater system in southwest Okaloosa County is failing due to deterioration of pipes. In this proposal the County intends to install new stormwater pipes throughout three subdivisions to reduce continued pollutant loading. Submitted by: Okaloosa County	Okaloosa	\$1,624,700
O-18 Okaloosa County Nearshore Artificial Reef Construction	The scope of this project includes the siting, design, permitting, construction and monitoring of a nearshore artificial reef (site 1) that will be accessible from shore and designed for use by snorkelers, kayakers, fishermen and divers. Projects at two additional sites (2 and 3) include the construction and monitoring of a nearshore artificial reef network designed for use by kayakers, fishermen and divers. The network will consist of two construction areas, a quarter mile square each. This project will incorporate the use of Eco Systems reef systems. Submitted by: Okaloosa County	Okaloosa	\$1,010,532
O-19 Creation of a Regional Wildlife Refuge Facility and Restoration of a Public Coastal Dune Park	Propose to construct a wildlife rehab center on Okaloosa Island. The proposal includes marine animal pools and a necropsy lab; observation areas and outreach classrooms; restoration of sensitive wildlife habitats on the public property: public trails and wildlife viewing areas; development of a living shoreline; and a manager to supervise the facility and park for a 5-year period. Funding available: \$250,000. Submitted by: Emerald Coast Wildlife Refuge	Okaloosa	\$3,500,000

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Project	Description	County	Estimated Cost
O-20 Okaloosa County Marine Life Center	The Marine Life Center will be designed to qualify for LEED (Leadership in Energy and Environmental Design) certification. The project has four major components: 1) a marine hatchery to implement advanced technology for production and stock enhancement of Gulf of Mexico fisheries; 2) a modern, interactive marine life center with aquatic exhibits and learning curricula to support & enhance education and ocean conservation; 3) creation of shellfish reefs to protect shorelines, to create complex habitats for juvenile fish, and to enhance water quality and seagrass habitat in Choctawhatchee Bay and the Gulf of Mexico; and 4) a coastal plant production facility for shoreline restoration projects using re-circulated water and fish nutrients. Submitted by Okaloosa County and AquaGreen, Inc. [Florida 501(c)(3)]	Okaloosa	\$14,500,000
W-1 Live Oak Point Acquisition and Enhancement	This project proposes estuarine marsh enhancement and wetland buffer acquisition in Walton County. Submitted by: Northwest Florida Water Management District	Walton	\$1,750,000
W-2 Walton County Fishing Pier	1000 foot pier into the Gulf of Mexico in Walton County. Five miles, five acres. Submitted by: Walton County	Walton	\$10,800,000
W-3 Recreation Loss Projects	20 acres; land acquisition, boardwalks and dune crossovers. The estimated cost of \$11,000,000 includes a \$490,000 contingency fee, as stated in the application. Submitted by: Walton County	Walton	\$11,000,000
W-4 Deer Lake Park Development	Deer Lake is an minimally developed park with limited facilities for public use. This project would add a paved access road, parking, picnic shelters and a restroom to Deer Lake State Park. The project is already designed and permitted. Project size is 7 miles. Submitted by: Florida Department of Environmental Protection, Division of Recreation & Parks	Walton	\$500,000
W-5 Sand Dune Monitoring and Restoration	Monitor 20 miles/70 acres. Funding available: \$2,000,000. Submitted by: Walton County	Walton	\$10,000,000
W-6 Western Walton County	5.0 mile segment of critically eroded beach that includes unincorporated Miramar Beach, Tang-O-Mar Beach, Gulf Pines, Sandestin, and Four Mile Village. This area had additional impacts as a result of the oil spill and response efforts this year. Strategy: Maintain restoration projects through monitoring and nourishment using sand from offshore sources; monitor the East Pass ebb shoal borrow area and east end of Santa Rosa Island for possible adverse long term effects requiring mitigation. Submitted by: Florida Department of Environmental Protection	Walton	\$15,000,000
W-7 Walton County, 30-A Beach Restoration and Nourishment	13.5 mile area of critically eroded shoreline has been impacted as a result of the oil spill and response efforts this year. Walton County is working with the U.S. Army Corps of Engineers to obtain federal authorization for the restoration project. The borrow area may need to be assessed for oil contamination prior to the restoration project. Includes Beach Highlands and Dune Allen Beach through Seacrest Beach. <i>Project includes Western Walton County, Beach Highlands and Dune Allen Beach, Blue Mountain Beach, Gulf Trace, Grayton Beach, Seagrove Beach, Inlet Beach, and Seacrest Beach.</i> Submitted by: Florida Department of Environmental Protection	Walton	\$45,000,000
(a) Beach Highlands and Dune Allen Beach, Walton County	2.7 mile segment of critically eroded beach in need of restoration had additional impacts as a result of the oil spill and response efforts this year. Strategy: Facilitate the county-wide feasibility study underway by the U.S. Army Corps of Engineers. Construct a beach restoration project. (Included in Walton County 30-A project).	Walton	Included in W-7

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(b) Blue Mountain Beach, Walton County	1.0 mile segment of critically eroded beach has had additional impacts as a result of the oil spill and response efforts this year. Strategy: Facilitate the county-wide feasibility study underway by the U.S. Army Corps of Engineers. Construct a beach restoration project. (Included in Walton County 30-A project).	Walton	Included in W-7
(c) Gulf Trace, Walton County	0.2 mile segment of critically eroded beach which had additional impacts as a result of the oil spill and response efforts this year. Strategy: Facilitate the county-wide feasibility study underway by the U.S. Army Corps of Engineers. Construct a beach restoration project. (Included in Walton County 30-A project).	Walton	Included in W-7
(d) Grayton Beach, Walton County	0.1 mile segment of critically eroded beach and had additional impacts as a result of the oil spill and response efforts this year. Strategy: Facilitate the county-wide feasibility study underway by the U.S. Army Corps of Engineers. Construct a beach restoration project. (Included in Walton County 30-A project).	Walton	Included in W-7
(e) Seagrove Beach, Walton County	3.1 mile segment of critically eroded beach and had additional impacts as a result of the oil spill and response efforts this year. Strategy: Facilitate the county-wide feasibility study underway by the U.S. Army Corps of Engineers. Construct a beach restoration project. (Included in Walton County 30-A project).	Walton	Included in W-7
(f) Inlet Beach, Walton County	0.4 mile segment of critically eroded beach and had additional impacts as a result of the oil spill and response efforts this year. Strategy: Facilitate the county-wide feasibility study underway by the U.S. Army Corps of Engineers. (Included in Walton County 30-A project).	Walton	Included in W-7
(g) Seacrest Beach, Walton County	1.8 mile segment of critically eroded beach and had additional impacts as a result of the oil spill and response efforts this year. Strategy: Facilitate the county-wide feasibility study underway by the U.S. Army Corps of Engineers. Construct a beach restoration project. (Included in Walton County 30-A project).	Walton	Included in W-7
W-8 Walton County Beach Restoration (Duplicate of W-7)	Restore 25.6 miles/5,714 acres of beach. Submitted by: Walton County	Walton	\$60,000,000
W-9 Restoration of Species Diversity and Hydrologic Function in Coastal Wetlands	Project area is 55 acres, distributed throughout Grayton Beach, Deer Lake and Topsail Hill Preserve state parks and supports varied wetland communities in the watersheds of seven coastal dune lakes. Restore original species composition and structure to the wetland communities by removal and control of woody vegetation. Reduce duff and leaf litter by 60% over time to return seepage slopes, wet prairie to historic soils properties of low organic, nutrient poor, composition. Establish photo points, vegetative transects, and depth of duff measurements to monitor groundcover composition and structure, and soil condition over time. Reintroduce fire over seven years to 100% of the cleared project area. Submitted by: Florida Department of Environmental Protection, Division of Recreation & Parks	Walton	\$400,000
W-10 Live Oak Point Peninsula	Erosion prevention through shoreline stabilization, buffer upland areas from storm surges, provide nursery and foraging habitat for a variety of aquatic organisms, restore bird habitat, and enhance natural filtering of runoff from adjacent uplands. This project further seeks the acquisition of "Section 16" school lands, outparcels and other tracts. Submitted by: Florida Department of Environmental Protection	Walton	Unknown
W-11 Water Quality Monitoring and Restoration of 15 Coastal Dune Lakes (Can be combined with W-15)	Biannual water quality monitoring is proposed for 10 years in the coastal dune lakes at stations that were sampled before the spill. Water quality monitoring and biological sampling is proposed in Choctawhatchee Bay and the coastal dune lakes to assess restoration needs. The project size is 50 acres. Submitted by: Walton County, partnering with the Choctawhatchee Basin Alliance	Walton	\$10,000,000

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Project	Description	County	Estimated Cost
W-12 Restoring Coastal Dune Lakes, Watersheds, Wetlands	Remove large woody species from wetlands in three state parks (Topsail Hill Preserve, Grayton Beach, Deer Lake); maintain with prescribed burn. Submitted by: FL Three Rivers Resources Conservation and Development	Walton	\$7,684,529
W-14 Walton County Marine Fish Hatchery and Research Center	This facility will consist of two components: 1) an intensive aquaculture system for the production and release of fish species such as red drum and spotted sea trout. These hatchery-raised fish will be used to supplement or restore native fish populations: 2) a coastal habitat plant production facility that provides both wastewater treatment for the fish production system and plants for marsh and shoreline restoration projects. Submitted by: Walton County	Walton	\$30,671,975
W-15 Water Quality Monitoring and Restoration of Choctawhatchee Bay (Can be combined with W-11)	The proposal seeks funding for water and sediment monitoring in Choctawhatchee Bay to determine potential post-oil spill impacts. Conduct species inventory, including fisheries, long-term seagrass and phytoplankton monitoring. Establish living shorelines and habitat improvement projects in the Choctawhatchee Bay. Submitted by: Walton County	Walton	\$10,000,000
W-16 Walton County Beaches Habitat Conservation Plan	The Habitat Conservation Plan is a multi-species program to protect and enhance federally endangered and threatened species and their habitat. Species include nesting marine turtles, shorebirds such as Piping Plover, and the Choctawhatchee Beach Mouse. It will provide a mechanism by which property owners can legally protect their beachfront property in the event of future shoreline impacts while maintaining compliance with federal law. Project size is 25.6 miles, with an affected area of 5,714 acres. \$7,000,000 available in local funds. Submitted by: Walton County	Walton	\$10,000,000
W-17 Offshore and Inshore Artificial Reef Construction	This proposal is to renourish three existing near shore artificial reef sites and create three new snorkeling reef sites and four new fishing/diving reef sites in the Gulf of Mexico. Submitted by: Walton County	Walton	\$2,457,875
W-18 Infrastructure Improvements to Offset Water Quality Impacts	In Choctawhatchee Bay and the coastal dune lakes: a) stormwater upgrade retrofits, b) stream and shoreline restoration, and c) wetland restoration for water quality improvement. Project size is 15 miles, with an affected area of 37,000 acres. Submitted by: Walton County	Walton	\$40,000,000
W-19 Marine Turtle Monitoring and Population Restoration	The project proposes to enhance monitoring, education, and night lighting reduction programs for marine turtle conservation. Project size is 25.6 miles, with an affected area of 5,714 acres. Estimated cost is \$70,000 <u>per year</u> . Submitted by: Walton County	Walton	\$70,000
W-20 Shorebird Nesting Species Monitoring and Restoration of Nesting Areas and Population	The project will acquire, restore, enhance and monitor habitat and provide education programs about shorebirds. Project size is 25.6 miles, with an affected area of 5,714 acres. Submitted by: Walton County	Walton	\$1,250,000

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W-21 Walton County Restoration	The proposal lists the following five projects 1) Coastal Dune Lakes restoration, 2) Beach Front Land Acquisition, 3) Choctawhatchee Bay monitoring and restoration, 4) Coastal Waters monitoring, and 5) Beach monitoring and compensation to Walton County for periodic loss of use of heavily impacted beach areas. Submitted by: South Walton Community Council	Walton	Unknown
B-1 Bay County Tourist Development Council (TDC)/Sea Turtle Lighting Retrofits	Provide financial assistance to property owners that are required to retrofit property to comply with 2009 county and city lighting ordinances. Submitted by: Bay County Tourist Development Council	Bay	\$1,000,000
B-2 Beach Outfall Restoration with Environmental Enhancements	This project includes the restoration, replacement and enhancement of fourteen continuous stormwater outfalls. Submitted by: City of Panama City Beach	Bay	\$16,550,000
B-3 St. Andrew Bay Shoreline Restoration, West Bay, Panama City	The goal of this project is to stabilize and restore eroding shorelines in St. Andrew Bay. Restoration will be accomplished by establishment of 4 miles of 6' tall wave attenuation devices, shell substrate, marine debris clean up, and appropriate shoreline vegetation - resulting in 1,000 acres seagrass, 20-100 acres marsh, and 1-5 acres oyster. Submitted by: St. Andrew Bay Environmental Study Team	Bay	\$1,400,000
B-4 Restoration Nearshore Large Area Artificial Reef Sites	The proposal is to build five Small Area Artificial Reef Sites. The area of each site will be ¼ square mile, and will hold as many as 63 individual reef modules. Submitted by: Bay County Board of County Commissioners, Artificial Reef Program	Bay	\$581,900
B-5 Panama City Beach-Community Redevelopment Agency (CRA)/Long Beach Park Educational Beach/Dune Lake Walk/Paddle Trail	The Long Beach Park Educational Project will provide access for visitors and residents to experience the natural ecosystems that exist within Historic Long Beach. The Project consists of the purchasing of the old Gulf of Mexico Beach Club motel property for public beach access and use; the purchase of an adjoining five acres for an upland park to support non-beach education and wetland restoration; and the donation of some nine acres of privately owned wetlands and uplands for a 1.5-mile walking trail around extensively impacted Lake Flora head waters to Grand Lagoon. Submitted by: Panama City Beach Community Redevelopment Agency	Bay	\$9,000,000
B-6 Mexico Beach, Bay County	2 miles of critically eroded beach that encompasses the City of Mexico Beach, east of Mexico Beach Inlet. Area in need of sand-bypassing and was impacted by oil and response efforts. Submitted by: Florida Department of Environmental Protection	Bay	\$100,000
B-7 St. Andrews Inlet, Shoreline Stabilization and Breakwaters Construction, Bay County	0.2-mile segment of critically eroded inlet shoreline on the west side of St. Andrews Inlet fronting Gator Lake and had additional impacts as a result of the oil spill and response efforts this year. The west inlet shoreline is in need of stabilization to protect Gator Lake. Submitted by: Florida Department of Environmental Protection	Bay	Unknown
B-8 Bay County Tourist Development Council (TDC)/Beachfront Acquisition/Development of Environmental Education Center	Purchase beachfront property to remove derelict buildings and other debris, restore the natural dune ecosystem, increase public access to the beach. 20.32 miles along Panama City Beach, Front Beach Road. Submitted by: Bay County Tourist Development Council	Bay	\$51,500,000

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Project	Description	County	Estimated Cost
B-9 West Bay of the St. Andrew Bay Estuary and Ecosystem	About 14,500 acres in the WBPA area already protected through mitigation agreements, and additional lands are protected by easements. At least 4,500 acres are available for conservation purchase or easement. Submitted by: Bay County c/o West Bay Preservation Advisory Committee	Bay	Unknown
B-10 Panama City Beach-Community Redevelopment Agency(CRA)/Front Beach Road-Stormwater	The Front Beach Road Stormwater project will capture and treat stormwater where there is currently no treatment. This project will capture, attenuate and treat all stormwater for a 1.2-mile section of US 98 adjacent to the Gulf of Mexico. The CRA has completed 1.1 miles and is currently 50% complete on another 1.3-mile section. The existing direct outfall structures removed will also reduce pollutants and beach shoreline erosion. The stormwater ponds will also provide reuse-water for landscape irrigation. Submitted by: Panama City Beach Community Redevelopment Agency	Bay	\$144,000,000
B-11 Urban Stormwater Retrofits – St. Andrew Bay	Stormwater treatment; estuarine water quality improvement Submitted by: Northwest Florida Water Management District	Bay	\$1,700,000
B-12 St. Andrews State Park Concession Building Replacement	The current concession building is located within the beach dune system. Over the years the dunes have migrated landward and are now severely encroaching on the building. The design and permitting phase for the replacement of the building is underway and will be completed in the next 6 months. Demolition and removal of the existing structure from the dune line and constructing the building further landward will also increase the habitat for the federally listed St. Andrews Beach Mouse. Project area is 1 acre. Submitted by: Florida Department of Environmental Protection, Division of Recreation & Parks	Bay	\$400,000
B-13 Oyster Reef Restoration in the St. Andrew Bay System, Florida	Restore oyster reefs in the St. Andrew Bay system in Bay County by placing 12,000 cubic yards of shell on debilitated oyster reefs over a 60 acre area. Funding available: \$181,300. Submitted by: Florida Department of Agriculture and Consumer Services	Bay	\$702,300
B-14 Lynn Haven	Restore salt marsh habitat and restore shoreline protection through enhancement of the breakwater, constructed in 2005, with herbaceous plantings. Submitted by: Florida Department of Environmental Protection	Bay	Unknown
B-15 Panama City Beaches, Restoration and Nourishment, Bay County The area between appx. 500 feet east of R4 and R93 is included in the Federal Panama City Beaches Erosion Control and Storm Damage Reduction Project.	18.6 mile segment of critically eroded beach (Panama City Beaches and St. Andrews State Park). The federal project was initially constructed between August 1998 and April 1999, and nourished in 2005, and then suffered storm damage from multiple storms in 2005. In addition to the damage from 2005, there are impacts as a result of the oil spill and response efforts. Therefore, areas of the project are in need of nourishment. The borrow areas may need to be assessed for oil contamination prior to construction. Submitted by: Florida Department of Environmental Protection	Bay	\$25,000,000
B-16 Bay County Tourist Development Council (TDC)/Pinnacle Port/Carillon Beach Segment of Panama City Beaches Shore Protection	Nourishment of the Pinnacle Port/Carillon Beach segment of Panama City beaches. Submitted by: Bay County Tourist Development Council	Bay	\$6,000,000
B-17 Bay County Tourist Development Council (TDC)/Bay County Beach Renourishment	Renourishment of 18.5 miles of Panama City Beach and 3.0 miles of Mexico Beach. Submitted by: Bay County Tourist Development Council	Bay	\$49,500,000

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B-20 Marine Turtle Protection in Bay County, FL	The proposal is to increase sea turtle hatchling survival by educating beachfront owners and local agencies about turtle-friendly lighting and installing turtle-friendly lighting in existing structures to decrease hatchling disorientation. Submitted by: St. Andrew Bay Resource Management Association, Inc. (RMA), partnering with Bay County Board of County Commissioners	Bay	\$100,000
G-1 Gulf County Sand Dune & Vegetation Project	Evaluate and restore sand dunes, fencing, sea oats and native vegetation. Submitted by: Gulf County	Gulf	\$800,000
G-2 Gulf County Habitat Conservation Project	Plan and develop a habitat conservation plan for wildlife, including birds, turtles and mice. Submitted by: Gulf County	Gulf	\$1,335,000
G-3 Gulf County Oyster Reef & Scallop Monitoring Project	Test, monitor, and restore scallop and oyster reefs in St. Joseph Bay. Submitted by: Gulf County	Gulf	\$4,000,000
G-4 Gulf County Artificial Reef Project	Purchase an old ship as an artificial reef offshore, and construct smaller reefs in St. Joseph Bay. Submitted by: Gulf County	Gulf	\$10,600,000
G-5 St. Joseph Peninsula, Gulf County	This is a 7.1 mile segment of critically eroded beach, which was restored in 2008 but damaged by Hurricane Gustav in August 2008. This shoreline was impacted by oil and cleanup/response efforts. Gulf County has applied for but not obtained funding assistance from FEMA for hurricane recovery. Numerous habitable structures are in imminent danger due to erosion. Borrow area will need to be assessed for oil contamination prior to hurricane recovery project. Submitted by: Florida Department of Environmental Protection	Gulf	\$10,850,000
G-6 Cape San Blas, Gulf County	1.2 mile segment of critically eroded beach along Cape San Blas that includes the Stump Hole area. In 1998, the FLDEP sponsored a feasibility and design study of the hurricane evacuation route (County Road 30E) and beach management on St. Joseph Peninsula between survey monuments, with emphasis on the segment of shoreline in the vicinity of Stump Hole. This study recommended replacement of the road with a bridge in the area subject to overwash by storm tides and waves. Submitted by: Florida Department of Environmental Protection	Gulf	\$55,000,000
G-7 Gulf County Beach Nourishment & Borrow Pit Evaluation Project	Testing and boring of 36 miles of coastline, removing oil contaminated sand, and renourishing beaches. Proposal includes testing borrow areas. Submitted by: Gulf County	Gulf	\$114,000,000
G-8 Gulf County Recreation Projects (Can be combined with G-9)	Land acquisition, two boat ramps, boardwalks, dune walkovers, two fishing piers with one also having a highway walkover, a marine biology center, and a mooring field. Submitted by: Gulf County	Gulf	\$8,100,000

Florida Potential Restoration Projects (List 2)
Natural Resource Damage Assessment
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Project	Description	County	Estimated Cost
G-9 St. Joseph Bay Seagrass Propeller Scar Recovery Project: Restoration, Monitoring, and Management of Propeller Scars in St. Joseph Bay Aquatic Preserve (Can be combined with G-8)	<i>Task 1</i> : survey seagrass injuries, manufacture, fill and deploy, sediment tubes to stabilize scars, place buoys around the restoration area to prevent re-injury, and further provide a post-activity report upon restoration completion. Central Panhandle Aquatic Preserve will monitor long-term success of the project including biannual surveys, underwater photography, and video documentation. <i>Task 2</i> : The second component will involve a partnership with the University of Florida's Cooperative Fish and Wildlife Research Unit (Coop Unit) and the Dauphin Island Sea Laboratory (DISL) to establish baseline conditions and monitor restoration progress. The boater outreach education component of this task will install <i>Shallow Seagrass Area</i> signage, generate 2,500 brochures, and install education signage at 3-4 popular boat ramps, and provide community and volunteer opportunities. Submitted by: Florida Department of Environmental Protection	Gulf	\$2,046,458
G-10 Debris Removal and restoration of barrier island critical to nesting loggerhead turtles along St. Joseph Peninsula, FL	Identify marine debris; remove from beach and nearshore; sea oat planting/dune restoration; tag turtles. Submitted by: University of Florida	Gulf	\$1,235,240
G-11 Gulf County Seagrass Restoration & Buoy Project	Test waters to evaluate seagrass beds for damages, test for product, and implement a buoy system to protect seagrasses from boaters in the future. Submitted by: Gulf County	Gulf	\$1,500,000
G-15 Gulf County Infrastructure Projects	Test for water quality and provide for design and construction of major stormwater retrofit projects to offset quality impacts resulting from the Oil Spill, extend sewer services to areas near the coastline and water affected by tidal flow. Submitted by: Gulf County	Gulf	\$7,200,000
G-16 St. Joe Bay Buffer Florida Forever Project/ St. Joe Bay State Buffer Preserve/ St. Joe Bay Aquatic Preserve	Land acquisition project, remaining acres: 3,263. Minimal restoration is anticipated given the high-quality of the natural communities in the project. Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife	Gulf	\$22,188,000
F-1 Franklin County Boat Ramp Improvement	Construction of new boat ramps to offset the lost opportunity of use of boat ramps during spill response when existing ramps were not accessible due to use by boats with boom and equipment deployment. Submitted by: Franklin County Board of County Commissioners	Franklin	\$5,000,000
F-2 St. Marks National Wildlife Refuge Lanark Reef Acquisition	Acquire 8.5 acres. Important habitat for nesting terns, skimmers, brown pelicans, piping plover, American oystercatcher, royal terns, and laughing gulls. Supports bird species affected by the oil spill. Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife	Franklin	\$200,000
F-3 Apalachicola National Estuarine Research Reserve/ Cat Point Marsh and Oyster Habitat	Shoreline stabilization and marsh creation on a critically eroding bay shoreline, includes creation of a living shoreline, trail, and pier as well as educational signage and information. This project will create salt marsh and oyster habitat in Apalachicola Bay through four phases: 1) construction and 2) establishment of oyster reefs, 3) shoreline and shallow water plantings, and 4) pre and post-restoration monitoring. In addition to providing a buffer zone and habitat enhancement, marsh creation and associated oyster bar creation will compensate transportation impacts through habitat expansion, water quality improvement, and shoreline vegetation stabilization. Submitted by: Florida Department of Environmental Protection	Franklin	\$1,000,000

Florida Potential Restoration Projects (List 2)
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Project	Description	County	Estimated Cost
F-4 Apalachicola Bay Oyster Industry Restoration	Repair and replenish the natural oyster bars with proper substrate so spat will continue to have a place to grow. Submitted by: Franklin County Board of County Commissioners	Franklin	\$30,000,000
F-5 St. George Island, Franklin County	4.5 mile segment of critically eroded beach along the eastern gulf shoreline of St. George Island within the state park. Strategy: Landward relocation or rebuilding of damaged or existing structures; perform feasibility study; monitor; conduct dune restoration. Submitted by: Florida Department of Environmental Protection	Franklin	Unknown
F-6 Alligator Point (southwest cape) and Lighthouse point, Franklin County R210-R225	A 2.8 mile segment of critically eroded beach on the east end of Alligator Point between the Southwest Cape and Lighthouse Point on St. James Island. The borrow area may need to be assessed for oil contamination prior to the restoration project. Submitted by: Florida Department of Environmental Protection	Franklin	\$10,000,000
F-7 Dog Island, Franklin County	3.6 mile segment of critically eroded beach along the eastern gulf shoreline of Dog Island. Strategy: Landward relocation or rebuilding of damaged or existing structures. Submitted by: Florida Department of Environmental Protection	Franklin	Unknown
F-8 Franklin County Beach Renourishment	Renourish Alligator Point, Dog Island and Carrabelle Beach, and do sand fencing and dune vegetation for St. George Island. Franklin County does not allow vehicles on beaches, but had government and BP vehicular traffic due to the spill. Submitted by: Franklin County Board of County Commissioners	Franklin	\$15,000,000
F-9 St. Marks National Wildlife Refuge St. Marks River Land Acquisition	Acquire 1,355 acres on St. Marks River. Juncus and Spartina marsh along ¾ mile of riverbank, hydric hardwood hummock, several hundred acres pine flatwoods restorable to longleaf pine flatwoods. Protects habitat for egrets, woodstorks, reddish egret, royal terns. Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife	Franklin	\$4,700,000
F-10 St. Vincent National Wildlife Refuge St. Vincent Island Access Land Access	Acquire 5 acres. Provides access to St. Vincent Island. Maritime liveoak vegetation important to migrating neotropical birds. Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife	Franklin	\$1,300,000
F-11 Bald Point State Park Campground/Cabins	Completion of the phase 1 development at Bald Point State Park. This project is completely designed and permitted. The project was only partially completed due to lack of funding. Included in this project is construction of a ranger station, a visitor day-use area, a canoe/kayak launch, 30 RV campsites with the associated facilities, a primitive group camp with associated facilities and two back country primitive campsites and six rental cabins. Project size is 100 acres. Submitted by: Florida Department of Environmental Protection, Division of Recreation & Parks	Franklin	\$4,675,000
F-13 Cat Point Marsh and Oyster Habitat	This project will create salt marsh and oyster habitat in Apalachicola Bay through four phases: 1) construction and 2) establishment of oyster reefs, 3) shoreline and shallow water plantings, and 4) pre and post-restoration monitoring. In addition to providing a buffer zone and habitat enhancement, marsh creation and associated oyster bar creation will compensate transportation impacts through habitat expansion, water quality improvement, and shoreline vegetation stabilization. Submitted by: Florida Department of Environmental Protection	Franklin	Unknown

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Project	Description	County	Estimated Cost
F-17 Oyster Reef Restoration in the Apalachicola Bay System, Florida	Restore oyster reefs in the Apalachicola Bay system in Franklin County by placing 18,000 cubic yards of shell on debilitated oyster reefs over a 90 acre area. Funding available: \$298,650. Submitted by: Florida Department of Agriculture and Consumer Services	Franklin	\$1,052,650
Wk-1 Shell Point, Wakulla County	In Wakulla County, at Shell Point, the proposal is to place approximately 15,000 cubic yards of sand on the beach from an upland borrow area. Submitted by: Florida Department of Environmental Protection	Wakulla	\$750,000
Wk-2 Mashes Sands County Park, Wakulla County	In Wakulla County, at Mashes Sands County Park, beach restoration is proposed on a 0.3 mile segment of critically eroded beach. The project consists of the placement of approximately 40,000 cubic yards of sand from an upland borrow area and construction of a 100 foot long terminal structure on the north end of the beach fill to reduce sand losses and increase performance. Submitted by: Florida Department of Environmental Protection	Wakulla	\$2,100,000
Wk-3 Wakulla Springs Basin Acquisition	This project proposes acquiring land for conservation and karst/springshed water quality protection in Wakulla County. Submitted by: Northwest Florida Water Management District	Wakulla	Unknown
Wk-4 St. Marks NWR	Federal land acquisition plan for 1,350 acres of property to be added to St. Marks National Wildlife Refuge. Submitted by: St. Marks NWR	Wakulla	\$6,350,000

Total 163 Projects

Total \$1,521,155,177