

Florida Potential Restoration Projects (List 1)
Natural Resource Damage Assessment
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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 indicate that it has been fully reviewed for meeting project selection criteria, nor is it guaranteed to be selected and approved. All projects approved by the Trustee Council 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 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, Walton, Bay, Gulf, Franklin	\$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, Wakulla, Dixie, Levy Counties	Create and enhance degraded oyster reef habitat. Submitted by: Florida Department of Agriculture and Consumer Services	Franklin, Wakulla, Dixie, Levy	\$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
M-8 Living Shorelines and Oyster Reef Restoration in Pensacola Bay, FL	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, possibly 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	\$16,658,386

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M-9 Living Shoreline Restoration in Pensacola Bay, FL	5-year project to create up to 8 miles of living shoreline and oyster reef in Pensacola Bay. Restoration to enhance oyster reefs and salt marsh shorelines. Submitted by: The Nature Conservancy	Escambia, Santa Rosa	\$6,000,000
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. 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. 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. Submitted by: Florida Department of Agriculture and Consumer Services	Escambia, Santa Rosa	\$788,600
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

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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-17 Dickerson Bay-Bald Point Florida Forever Project/Bald Point State Park/Alligator Harbor Aquatic Preserve/St. Marks National Wildlife Refuge	Acquisition of approximately 4,464 acres. Moderate restoration may be required in some communities where silviculture practices were employed. Minor other restoration is anticipated in other areas given the good-quality of most 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	Franklin, Wakulla	\$30,112,000
M-18 Coastal Habitat Conservation for Recovery of Florida's Coasts	Land acquisition is one of the most important tools to promote short and long-term restoration of coastal habitats following major damage events. This project would provide much needed funding for acquisition of priority coastal habitats critical to the recovery of impacted species, habitats and communities. Priority habitat acquisition targets have already been identified in federal and state plans (e.g., Coastal and Estuarine Land Conservation Plans, Protected Species critical habitat plans). This project would draw from these and other sources in a collaborative effort to identify, target and conserve the most important coastal habitats for recovery of impacted species and communities. Submitted by: Florida Department of Environmental Protection	Multiple	Unknown
M-19 Econfina Recharge Area Inholdings Acquisitions	This project proposes acquiring land for conservation and enhancement in Washington, Bay and Jackson Counties. Submitted by: Northwest Florida Water Management District	Washington, Bay, Jackson	\$11,445,000
M-20 Choctawhatchee Watershed Sedimentation Abatement	Abatement of sedimentation from unpaved road stream crossings. Submitted by: Northwest Florida Water Management District	Walton, Holmes, Washington, Jackson	\$9,000,000
M-21 Flint Rock Land Acquisition Project	Transfer 17,273 acres to the St. Marks National Wildlife Refuge to protect a restorable buffer, estuarine watershed and sea level rise migration corridor in Jefferson and Wakulla counties, Florida. Submitted by: The Nature Conservancy	Wakulla, Jefferson	\$30,000,000
M-22 Big Bend Florida Forever Coastal Wetland Acquisition Project/Big Bend Wildlife Management Area/Big Bend Sea Grasses Aquatic Preserve	Land acquisition project acreage (remaining coastal project acres): 2,907. Pristine coastal wetlands, with no restoration or enhancement anticipated; maritime forests and coastal barriers. Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife	Taylor, Dixie	\$9,600,000
M-23 Oyster Reef Restoration in Waccasassa Bay, Florida	This project will use a combination of proven technique to replace substrate and re-seed oyster populations on impaired oyster reefs in Waccasassa Bay in Levy County. Submitted by: Florida Department of Agriculture and Consumer Services	Dixie, Levy	\$1,000,000

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M-24 Charlotte Harbor Estuary Florida Forever Project/ Charlotte Harbor Aquatic Preserve /Charlotte Harbor Buffer State Preserve	Land acquisition project acreage (remaining project acres): 13,547 combined from numerous parcels in 3 project areas. Restoration will include maintenance of hydrological process; prescribed burning to maintain native vegetation. Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife	Sarasota, Charlotte, Lee	\$88,500,000
M-25 Shellfish, Clams and Scallops at Charlotte Harbor Aquatic Preserves	Restore hard & wedge clams and scallops in Pine Island Sound 12,000 acres, Lemon Bay 2,000 acres, Mouth of Peace & Myakka Rivers 1,000 acres. Submitted by: The Nature Conservancy	Charlotte, Lee	\$1,900,000
M-26 Seagrass in Charlotte Harbor Aquatic Preserves	Restore seagrass scars in vulnerable shallow seagrass areas throughout the Charlotte Harbor Estuary with a combination of pre/post-restoration monitoring, scar repair as needed and activities aimed at modifying boater behavior (education, channel marking, etc.). Submitted by: The Nature Conservancy	Charlotte, Lee	\$1,000,000
M-27 Hydrologic Restoration in the Coral Creek Ecosystem on the Cape Haze Peninsula, Florida	Phase I of this project encompasses a ~200 acre portion of the site. This phase will involve the restoration and/or enhancement of historic hydrologic flows and wetland hydroperiods, removal of exotic plant species, creation of a littoral shelf, and construction of a filter marsh system to improve water quality entering the East Branch of the creek and, ultimately, Charlotte Harbor and the Gulf of Mexico. Submitted by: The Nature Conservancy	Charlotte, Lee	\$1,200,000
M-28 Ecosystem and Shellfish Restoration, Lee and Charlotte Counties	Restoration of hydrologic functions, shellfish, seagrass, and mangrove habitats in Charlotte Harbor Estuary. Submitted by: The Nature Conservancy	Charlotte, Lee	\$14,000,000
M-29 Caloosahatchee National Wildlife Refuge Blue Head Ranch Acquisition	Acquire a 42,000-acre easement. Completes protection of 90,000-acre ranch; 45,000 acres already under easement through NRCS Wetlands Reserve Program. Protects water quality of San Carlos Bay, which is critically important to brown pelican, skimmers, royal terns, Wilson's plovers, laughing gulls, and juvenile sea tea turtle nurseries. Part of Fish eating Creek Watershed. T&E species: grasshopper sparrow, wood stork, caracara, red cockaded woodpecker, gopher tortoise, indigo snake, scrub jay, Florida panther, Florida black bear. Dry and wet prairie. Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife	Lee, Hendry	\$80,000,000
M-30 Staghorn and Elkhorn Coral Recovery Project, FL	Actively enhance the populations of Caribbean Acropora corals by outplanting over 15,000 coral colonies in waters off Broward, Miami-Dade and Monroe Counties, FL. Submitted by: The Nature Conservancy	Monroe, Dade, Broward	\$4,584,000
M-31 Seagrass Restoration and WQ Management in Old River Estuary	Installing an ocean inlet pipeline across the barrier island to deliver transparent, high-salinity, low-nutrient seawater into the degraded estuary. The objectives include active regulation of residence time, salinity, nutrient concentration and water clarity with the goal of providing optimum conditions for proliferation of seagrasses and increased aquatic species diversity. Submitted by: Gannett Fleming, Inc.	Escambia, FL and Baldwin, AL	\$12,000,000
M-32 Seagrass Restoration and WQ Management in Saint Joe Bay Estuary	Installing 2 ocean inlet pipelines across the barrier island to deliver transparent, high-salinity, low-nutrient seawater into the degraded estuary. The objectives include active regulation of residence time, salinity, nutrient concentration and water clarity with the goal of providing optimum conditions for proliferation of seagrasses and increased aquatic species diversity. Submitted by: Gannett Fleming, Inc.	Gulf, Franklin	\$24,000,000

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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. 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. Submitted by: Fish & Wildlife Research Institute, Florida Fish and Wildlife Conservation Commission	Escambia, Santa Rosa, Okaloosa, Walton, Bay	\$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
M-38 High Definition Baseline Shoreline Characterization in a Geospatial Database: Gulf Coast Pilot Project	Propose to establish a baseline of the Gulf coastal shoreline using a repurposed Hurricane Damage Assessment Rapid Response Team (HDARRT) vehicle which records GPS encoded HD video with multiple cameras. The Pilot Project would record 300 miles of HD video and photography of high value coastline in a geospatial database. Submitted by: Environmental Monitoring, Mapping, Analysis and Planning System (EMMAPS) Laboratory, University of North Florida	Escambia, Okaloosa, Walton, Bay, Gulf, Franklin, Wakulla	\$500,000
M-39 Bear Creek	The Bear Creek project comprises a significant portion of the watershed flowing into Apalachicola and St. Andrews Bays on the Gulf of Mexico. As stated in the Bear Creek Florida Forever project summary, public acquisition of this project would help establish the Northwest Florida Ecological Greenway, a proposed system of natural areas forming a significant corridor connection between State, Federal, and Non-Profit conservation lands in the central Florida Panhandle. Submitted by: The Conservation Fund	Bay, Calhoun, Gulf	\$160,000,000
M-40 Gulf Coast Ecosystem Restoration and Community Service	This project increases the ability of local non-profit environmental groups, state and federal land management and environmental protection agencies to implement permitted and approved restoration projects by supplying motivated and capable volunteer support on a large scale. The proposal requests support to recruit and deploy these volunteers December 2011 through April 2012. Submitted by: Community Collaborations International	Escambia, Santa Rosa, Okaloosa, Walton, Bay	\$500,000

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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. Submitted by: Sea Turtle Conservancy	Escambia, Santa Rosa, Okaloosa, Walton, Bay, Gulf, Franklin	\$600,000
M-42 An Integrated Water Quality Monitoring Plan for Northwest Florida and Alabama Watersheds	An integrated plan for measuring water quality in the Florida Panhandle and associated Alabama watersheds will enhance the information available to resource managers and the public. Perdido Bay, Pensacola Bay (including Escambia, Blackwater, and East Bay), Choctawhatchee Bay, and St. Andrews Bay will be included. Objectives: 1) Define status and trends of key water quality parameters and conditions, 2) Provide data to determine whether restoration efforts are working, 3) Provide data to identify and rank existing and emerging problems within the watersheds. Submitted by: University of West Florida	Escambia, Santa Rosa, Okaloosa, Walton, Bay	\$300,000
M-43 Ecological Flow Assessment of Freshwater Flows to Apalachicola River and Bay and the Eastern Gulf of Mexico	The proposal includes assessment of ecological instream flow needs of the Apalachicola-Chattahoochee-Flint (ACF) River system. An allocation plan for implementing conservation and alternative water management options will be developed as part of the Sustainable Management Water Plan. Implementation of the Plan will restore flows required to sustain the ecology of the ACF system and eastern Gulf of Mexico. Funding available: \$200,000. Submitted by: Apalachicola Riverkeeper	Franklin, Gulf, Liberty, Calhoun, Jackson, Gadsden	\$3,000,000
M-44 Strategically Provided Boating Access Along Florida's Gulf Coast	Provide boat access improvement projects in remote areas, small towns and cities, coastal counties. Proposed areas include City of Panama City, City of Parker, City of Mexico Beach, City of St. Marks and Walton County. Submitted by: Florida Fish and Wildlife Conservation Commission	Walton, Bay, Gulf, Wakulla	\$2,983,317
E-1 Escambia County Artificial Reef Construction (E-1 and E-31 are duplicates)	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. Submitted by: Escambia County Board of County Commissioners	Escambia	\$2,240,000
E-2 Project GreenShores- Seagrass, Salt Marsh and Oyster Habitat Restoration	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: The 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

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E-4 Public Boat Ramp Enhancement: Escambia 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 - Escambia County (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 4.1 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
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

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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 area is 1.1 miles. Submitted by: Florida Department of Environmental Protection, Division of Recreation & Parks	Escambia	\$25,250
E-14 Restoring Marsh Habitat, Pensacola Bay, FL	Provide additional funds to Greenshores site II to create 10 additional acres of oyster reef. Submitted by: Escambia County Board of County Commissioners	Escambia	\$1,804,808
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 the City of Pensacola and Sanders Beach Homeowners Association	Escambia	\$6,000,000
E-16 Perdido Key, Beach Nourishment, Escambia County (Same area as E-10)	6.45 mile segment of already critically eroded beach with additional impacts as a result of the oil spill and the response efforts. The borrow area will now need to be assessed for oil contamination prior to the restoration project. Submitted by: Florida Department of Environmental Protection, Bureau of Beaches and Coastal Systems	Escambia	\$20,000,000
E-17 Pensacola Beach, Beach Nourishment	Pensacola Beach, FL is located towards the western end of Santa Rosa Island in Escambia County, FL. 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 8.2 miles to the east. This beach segment has been engineered and augmented through two prior nourishment projects. Submitted by: Escambia County Board of County Commissioners	Escambia	\$28,000,000
E-18 Pensacola Beach	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

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E-19 Big Lagoon State Park Sewer Connection	Currently all park facilities are on a septic system. All of the wastewater is pumped via lift stations to a central collection point and is then distributed through a large drain field. This project would be to connect the central collection point for the wastewater to the city sewer system. Project size is 2.66 miles, 5 acres. Submitted by: Florida Department of Environmental Protection, Division of Recreation & Parks	Escambia	\$650,000
E-20 Tarkiln Bayou/Yellow River Marsh Preserve State Parks Fireline Installation/Maintenance	Rental of MarshMaster II with a cutter for creating needed or maintaining existing wet prairie firelines within the two state parks. Prescribed fire can then be implemented to restore pitcherplants in wet prairie and flatwoods salamander breeding pond fuel reduction. Prescribed fire also increases the overall health of the wet prairies which help to improve water quality which eventually enters into adjacent rivers, bays and bayous. Rental of this needed equipment would take place annually for a period of five years. Project size is 7.3 miles. Submitted by: Florida Department of Environmental Protection, Division of Recreation & Parks	Escambia	\$91,495
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. 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. Submitted by: Escambia County Board of County Commissioners	Escambia	\$18,000,000

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E-33 Escambia County Passenger Ferry Service	<p>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.</p> <p>Submitted by: Escambia County Board of County Commissioners, partnering with the Escambia County Area Transit Authority and the Santa Rosa Island Authority</p>	Escambia	\$4,000,000
E-34 Bayou Chico Mooring Field	<p>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.</p> <p>Submitted by: Escambia County Board of County Commissioners, partnering with Bayou Chico Association</p>	Escambia	\$100,000
E-35 Bayou Chico Municipal Marina	<p>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.</p> <p>Submitted by: Escambia County Board of County Commissioners, partnering with Bayou Chico Association</p>	Escambia	\$2,500,000
E-36 Perdido Bay Stormwater Restoration for Water Quality Improvement (Can be combined with E-37)	<p>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.</p> <p>Submitted by: Escambia County Board of County Commissioners</p>	Escambia	\$10,000,000
E-37 Pensacola Bay Stormwater Restoration for Water Quality Improvement (Can be combined with E-36)	<p>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.</p> <p>Submitted by: Escambia County Board of County Commissioners</p>	Escambia	\$10,000,000
E-38 Bayou Chico Estuarine Restoration	<p>This project proposes estuarine restoration and sediment removal in Escambia County.</p> <p>Submitted by: Northwest Florida Water Management District</p>	Escambia	\$2,625,500
E-39 Restoration / Creation of Regional Fish Habitat, Escambia County	<p>Create 2 new artificial reef sites with 304 new patch reefs.</p> <p>Submitted by: Escambia County Board of County Commissioners</p>	Escambia	\$1,860,000

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E-40 Escambia County Gulf Water Quality and Marine Species Monitoring	This proposal seeks funding to conduct monitoring for four years, and can be paired with enhanced artificial reef construction to document restoration of water quality and marine/estuarine species. Monitoring will include collection and analysis of water samples, underwater fish/marine life census via SCUBA divers, remotely operated vehicles (ROVs), SONAR and other means. Data will be quantified and shared with other research entities as well as the public. Submitted by: Escambia County Board of County Commissioners, partnering with University of West Florida and Florida Fish and Wildlife Conservation Commission	Escambia	\$2,000,000
E-41 Seagrass Restoration and WQ Management in Big Lagoon Estuary	Installing an ocean inlet pipeline across the barrier island to deliver transparent, high-salinity, low-nutrient seawater into the degraded estuary. The objectives include active regulation of residence time, salinity, nutrient concentration and water clarity with the goal of providing optimum conditions for proliferation of seagrasses and increased aquatic species diversity. Submitted by: Gannett Fleming, Inc.	Escambia	\$12,000,000
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. Submitted by: Escambia County	Escambia	\$957,000
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. At present, the 2,800-ft length of the shoreline is in need of restoration to protect the beach segment. Additionally, the project will provide predictable storm protection for the Quietwater Beach shoreline. Permits have recently been issued by FDEP and USACE. Construction plans are ready for public bid. The project will provide enhanced recreational and ecotourism opportunities regardless of age, race, gender or economic status. Submitted by: Santa Rosa Island Authority, partnering with Escambia County Board of County Commissioners	Escambia	\$1,056,500
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
E-45 Bayou Chico/Pensacola Bay Stormwater Project	The proposed project will provide new stormwater treatment for over 75 acres that discharge into 303(d) listed impaired waterbodies in Pensacola Bay. The design consists of two primary treatment systems: a wetland detention system and a dry retention system. Underground Contech Vorsentry stormwater treatment vaults will provide added stormwater treatment benefit. An exfiltration system with an underdrain will provide new stormwater treatment for the runoff from the road and right-of-way. Currently, this untreated stormwater flows down a concrete ditch to Jones Creek and Bayou Chico. Since this stormwater project is located in a County-owned park, a recreational jogging trail will be constructed around the perimeter of the stormwater systems. Submitted by: Escambia County Water Quality & Land Management Division, Escambia County, FL	Escambia	\$600,000
E-46 Bayou Chico Restoration	The proposal seeks to restore the floor of Bayou Chico as a second phase to E-38 Bayou Chico Estuarine Restoration. Submitted by: Bayou Chico Association	Escambia	\$10,000,000

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E-47 Pensacola Lighthouse Tower Restoration Project	The project will restore and preserve the historic Pensacola Lighthouse tower. Funding available: \$160,550.58 Submitted by: Pensacola Lighthouse and Museum	Escambia	\$775,000
E-48 Woodridge Manor - Perdido Pitcher Plant Prairie	The goal of this project is the acquisition and preservation 40 acres of property including wetlands and associated buffers within southwest Escambia County, coupled with implementation of appropriate natural resources management. The property is under consideration for development into a 61 lot single family residential subdivision. Submitted by: Woodridge Investors, LLC	Escambia	\$590,000
E-49 Pensacola Beach Dune Walkovers	The project will allow for elevating the existing public dune walkovers above the primary dunes and provide for better access for all members of the general public. Dune Walkover facilities on Pensacola Beach provide an opportunity for the general public to access the Gulf of Mexico for recreation and general use. Public benefits include increased access to the Gulf, protection of the dunes as well as increased tourism for Pensacola Beach and Escambia County. Submitted by: Santa Rosa Island Authority	Escambia	\$1,671,850
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 Berm & Dune Renourishment Project	This project consists of restoring the two-tiered beach berm and dune over 4.1 miles of shoreline and planting native plants on top of the dune. The intent is to absorb storm energy and erosion losses within the lower berm, preserving the upper berm and restored dune to buffer more severe tropical storms. Approximately 112,000 plants of diverse native vegetation propagated from local stock will be planted. Project design has been completed, a borrow area identified, and geotechnical investigation completed. Submitted by: Santa Rosa County	Santa Rosa	\$10,622,520

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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. In addition to discharge of the effluent in rapid rate infiltration basins, the project will include distributing reuse water to various residential and commercial customers connected to other wastewater utilities in the area; as well as provide disposal capacity for other utilities that also discharge to the sound. Submitted by: Santa Rosa County	Santa Rosa	\$17,300,000
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-8 Bring the Bayous Back	This proposal addresses the restoration and long term recovery of the Bayous in Gulf Breeze using oyster devices as a monitoring tool using the latest technology of saltwater circulators and to restore the health of the ecosystem by providing oxygen and breaking down any oil which is present in the bayous to increase ecosystem populations. Installed oyster devices are proposed to monitor the progress of the water quality through tissue testing during and after the project. Submitted by: The City of Gulf Breeze, partnering with Santa Rosa County	Santa Rosa	\$343,000
SR-9 Deadman's Island Post Oil Spill Monitoring	Baseline monitoring was performed before the oil breached Pensacola Pass. It was unknown if the oysters which are essential for this breakwater were affected, until post sampling was performed. It is proposed to test a small subsample population of the game fish within the reef system present at Deadman's Island. Submitted by: The City of Gulf Breeze, partnering with the National Wildlife Foundation, Florida Fish and Wildlife, and US Army Corps of Engineers	Santa Rosa	\$100,000
SR-10 Source Monitoring of Pensacola Bay Using Oyster and Permeable Membranes	This proposal is to use oysters and membranes to test and monitor submerged sites that would eventually affect down current areas such as the City of Gulf Breeze, its residents and environmental resources. This proposal is for a five year study. Testing and monitoring will be performed by using oyster and membrane devices as monitoring tools. This evaluation is to monitor the health of the ecosystem to allow healthy oysters, seagrass and marsh restoration in the future. Submitted by: The City of Gulf Breeze, partnering with Santa Rosa County	Santa Rosa	\$495,000
SR-11 Conservation, Restoration and Education on Navarre Beach	Expand Programming at the Navarre Beach Marine Science Station to provide field related experience to students and community members impacted by the spill. Students will plant bitter panicum in Navarre park, and student to student educational programs. Submitted by: Santa Rosa County, partnering with Santa Rosa County School District, Navarre High School, Navarre Beach Marine Science Station, University of Florida IFAS Sea Grant and 4-H Extension	Santa Rosa	\$61,450
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

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SR-13 Escribano Point Florida Forever Project/Yellow River Wildlife Management Area/Yellow River Marsh Aquatic Preserve/Eglin Air Force Base Buffer Parcels	<p>Land acquisition of approximately 1,748 acres among three different parcels.. Management Plan goals include enhancement, maintenance and restoration of the diverse natural communities including regular prescribed burns to manage and maintain native vegetation. A burn management plan has been developed and ongoing species surveys and other management activities conducted.</p> <p>Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife</p>	Santa Rosa	\$17,480,000
SR-14 Deadman's Island Long Term Deepwater Horizon Oil Monitoring (Duplicate of SR-9)	<p>The Deadman's Island Restoration Project is a Federal grant funded restoration project involving an oyster reef breakwater, living shoreline stabilization, seagrass restoration, fill/wetland creation and future snorkel park. It is important to monitor the presence of toxins within the oysters over a period of five years to develop a trend to determine concentration and length of time toxins are present in the oysters, whether mortality is apparent. The three replicates of oysters will be sampled on the bayside and shore side at the three stations of the oyster reef. Testing performed will evaluate TPH and PAH with full chromatograms to evaluate any matrix interference. It is proposed to test a small subsample population of the game fish within the reef system present at Deadman's Island.</p> <p>Submitted by: The City of Gulf Breeze</p>	Santa Rosa	\$100,000
SR-15 Navarre Beach Park Gulfside Walkover Complex	<p>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.</p> <p>Submitted by: Santa Rosa County Board of Commissioners</p>	Santa Rosa	\$680,000
SR-16 Bagdad Mill Site Passive Park Coastal Access Improvements	<p>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.</p> <p>Submitted by: Santa Rosa County Board of Commissioners</p>	Santa Rosa	\$878,532
SR-17 Navarre Beach Park Coastal Access, Restoration & Resource Conservation Project (Turtle center component resubmitted; see SR-28)	<p>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.</p> <p>Submitted by: Santa Rosa County Board of Commissioners</p>	Santa Rosa	\$1,534,000
SR-18 Deadman's Island Oyster Reef Habitat Breakwater and Living Shoreline	<p>Place an 1050 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.</p> <p>Submitted by: The City of Gulf Breeze</p>	Santa Rosa	\$688,000
SR-19 Santa Rosa Shores Seagrass Transplanting Pilot Project	<p>Propose to transplant eight hundred cores of <i>Thalassia</i> species and <i>Halodule</i> species from an area which will be dredged and place them in a study site area of 86.15 acres in Santa Rosa Sound. This area is a designated undisturbed site to monitor the success of seagrass transplantation. In addition, a control area and an area dredged for seagrass placement will be used. Monitoring will be five years.</p> <p>Submitted by: Santa Rosa Shores Homeowners and Santa Rosa County</p>	Santa Rosa	\$120,000

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SR-20 Shoreline Boat Ramp	<p>This proposal seeks funding to repair/modify one existing boat ramp (Shoreline Park Public Boat Ramp, N 30-21'/W 087-10'). The modification will include ADA compliant parking with handicap accessibility. Ramp, parking and other work will be accomplished using Best Management Practices which meet or exceed local, state and federal environmental standards.</p> <p>Submitted by: The City of Gulf Breeze</p>	Santa Rosa	\$150,000
SR-21 Wayside Boat Ramp	<p>This proposal seeks funding to repair/modify cracks and damages at the existing boat ramp (Wayside Park East Public Boat Ramp, N 30-22'/W 087-10'). This facility was used as a primary staging and launching location for BP cleanup operations. The proposal also seeks funding to repair/enhance the asphalt parking area and provide a guard house with a restroom facility. The restroom and parking area will be ADA compliant with handicap accessibility.</p> <p>Submitted by: The City of Gulf Breeze</p>	Santa Rosa	\$263,100
SR-22 Riverwalk East	<p>This proposal seeks funding to expand the Milton Riverwalk facility, a walking dock bordering the river to provide easy access to the city's attractions. The expansion east approximately 2,500 feet will include construction of a 20' wide boardwalk with handrails and structural support columns. Construction and other work will be accomplished using Best Management Practices which meet or exceed local, state and federal environmental standards.</p> <p>Submitted by: The City of Milton</p>	Santa Rosa	\$3,400,000
SR-23 Riverwalk North	<p>This proposal seeks funding to expand the Milton Riverwalk facility, a walking dock bordering the river to provide easy access to the city's attractions. The expansion north approximately 2,500 feet will include construction of a 20' wide boardwalk with handrails and structural support columns. Construction and other work will be accomplished using Best Management Practices which meet or exceed local, state and federal environmental standards.</p> <p>Submitted by: The City of Milton</p>	Santa Rosa	\$1,000,000
SR-24 Riverwalk South	<p>This proposal seeks funding to expand the Milton Riverwalk facility, a walking dock bordering the river to provide easy access to the city's attractions. The expansion south approximately 600 feet will include construction of a 20' wide boardwalk with handrails and structural support columns. Construction and other work will be accomplished using Best Management Practices which meet or exceed local, state and federal environmental standards.</p> <p>Submitted by: The City of Milton</p>	Santa Rosa	\$1,800,000
SR-25 Quinn St. Marina	<p>This proposal seeks funding to modify the Quinn St. Marina. The newly constructed marina will be the focus of the city's Riverwalk. Modifications will include construction of a new building that is ADA compliant with handicap accessible parking and restroom facilities. Construction and other work will be accomplished using Best Management Practices which meet or exceed local, state and federal environmental standards.</p> <p>Submitted by: The City of Milton</p>	Santa Rosa	\$1,500,000
SR-26 Santa Rosa County Beach Park SCUBA/Kayak Boardwalk & Wash Down Area	<p>This project proposes to construct two ground level wood composite dune walkovers approximately eight (8) feet wide by two hundred fifty (250) feet long at two of the open dune walkovers at the Santa Rosa County beach park and connect them each to a ground level deck structure of approximately sixteen (16) feet by thirty (30) feet with fresh water showers and equipment wash down stations.</p> <p>Submitted by: A Santa Rosa County citizen volunteer</p>	Santa Rosa	\$181,000

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SR-27 Santa Rosa County Nearshore Artificial Reef Pre-Deployment Plan	This plan seeks to permit an additional nearshore reef area in the Gulf of Mexico between 1 and 3 miles south of Navarre Beach and populate the area with seven hundred four (704) artificial reefs of concrete and/or steel construction. By focusing primarily on nearshore waters (within 3 miles of Navarre Beach Shoreline), new reef habitat will be established upon seafloor areas generally devoid of reef habitat. Submitted by: A Santa Rosa County citizen volunteer	Santa Rosa	\$1,068,000
SR-28 Navarre Beach Sea Turtle Conservation Center, Inc.	The Navarre Beach Sea Turtle Conservation Center (NBSTCC) will be a non-profit organization established in Navarre Beach, Florida. The NBSTCC's main mission is the conservation and protection of sea turtles through rescue, rehabilitation and release of threatened, endangered, sick and injured sea turtles. Project consists of modification of the existing building and the construction of a new 4,000 sq. ft. medical and rehabilitation building. The NBSTCC is inside the Navarre Beach County Park. Submitted by: Navarre Beach Sea Turtle Conservation Center, Inc.	Santa Rosa	\$1,569,417
SR-29 Escribano Point Gulf Restoration Projects	This proposal includes one-time assessment and mapping activities necessary for developing the site for outdoor recreation purposes (natural communities mapping, rare and exotic plant inventories, development of a hydrological assessment and restoration plan and herpetofauna survey). Funding for hurricane debris removal and road repair with hydrologic restoration are also included. Additional funds are requested for interpretive signage, picnic areas, vaulted toilets and primitive campsites. Submitted by: Florida Fish and Wildlife Conservation Commission	Santa Rosa	\$2,277,000
SR-30 Escribano Point Parcels of the Yellow River Wildlife Management Area	The Escribano Point Conservation and Environmental Lands program application includes 37 additional parcels that are considered key to preserving this uniquely diverse conservation land. Seven of these parcels are completely surrounded by the conservation lands managed by FWC and NFWFMD. The remaining 30 parcels are located near Catfish Creek at the north end of the conservation lands. All of these parcels provide habitat for diverse species and are key to effective management of the area. Submitted by: Florida Fish and Wildlife Conservation Commission	Santa Rosa	\$2,533,420
SR-31 Gulf Coast Discovery Center	The mission of NWFL Marine Education and Discovery of Gulf Ecosystems, Inc. is to promote the appreciation, conservation, and understanding of the marine ecosystem of coastal Florida through education, service and hands-on, feet-wet experiences. The mission is accomplished by supporting existing programs of the Navarre Beach Marine Science Station and expanding on those programs to a broader audience including visitors to Northwest Florida. The project includes the construction of a 9000 sf, LEED certified, Marine Interpretive Center (Gulf Coast Discovery Center) and an Outdoor Visitor Pavilion/Classroom (Discovery Pavilion). Submitted by: Northwest Florida Marine Education and Discovery of Gulf Ecosystems, Inc. (EDGE)	Santa Rosa	\$12,595,477
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. This effort will include an educational component for oyster gardening with instruction on how to construct oyster cages and raise oyster "spat" for propagating new oysters to replenish each reef site. 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. Submitted by: The Condo Alliance of Okaloosa Island	Okaloosa	\$34,452

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O-3 Northwest FL Estuarine Habitat Restoration, Protection and Education, Ft. Walton Beach	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. Submitted by: The City of Ft. Walton Beach	Okaloosa	\$5,755,743
O-4 Fort Walton Beach Shorewalk - Habitat Restoration and Education	Restore estuarine shoreline of Santa Rosa Sound in Fort Walton Beach by installing native estuarine grasses, an artificial reef, and an interactive educational boardwalk. Submitted by: The City of Fort Walton Beach	Okaloosa	\$3,880,000
O-5 Ft. Walton Beach and Okaloosa Island, Beach Restoration and Nourishment, Okaloosa County	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. Submitted by: Florida Department of Environmental Protection	Okaloosa	\$17,000,000
O-6 Western Destin, Okaloosa County	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. Submitted by: Florida Department of Environmental Protection	Okaloosa	\$11,400,000
O-7 Eastern Destin, Okaloosa County	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. Submitted by: Florida Department of Environmental Protection	Okaloosa	\$7,000,000
O-8 Western Destin Beach Restoration Project	The project will restore two shoreline reaches within Okaloosa County: Reach 1 extends from the east jetty of East Pass to approximately 700 feet east of FDEP reference monument R-20 (R-20.7) and Reach 2 extends approximately 500 feet east of R-23 (R-23.5) to R-25.5. Initial construction requires placement of approximately 565,000 cubic yards (cy) of beach quality sand originating from a permitted borrow source. The existing dune will be enhanced by the construction of a new sand dune, planting of salt-tolerant vegetation, and installation of sand fencing and educational signage. Submitted by: Okaloosa County, partnering with the City of Destin	Okaloosa	\$8,000,000
O-9 Choctawhatchee Bay Water Quality Initiative	Install stormwater separators at multiple saltwater outfall locations throughout the bay to reduce continued pollutant loading. Submitted by: Okaloosa County, partnering with the City of Fort Walton Beach	Okaloosa	\$5,000,000
O-10 Norriego Point Restoration and Recreation Project	The proposal is to stabilize Norriego Point by constructing erosion control structures, replacing eroded sand, and restoring the dune. The purpose of this project is to protect, stabilize, and re-establish the vast recreational opportunities of Norriego Point. The point covers 17-20 acres of undeveloped sandy beach and dunes. The construction is anticipated to be completed in nine to twelve months. Submitted by: City of Destin, partnering with the Army Corps of Engineers, Florida Department of Environmental Protection, Okaloosa County	Okaloosa	\$8,690,000

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O-11 Seagrass Restoration and WQ Management in Santa Rosa Sound Estuary	Installing 3 ocean inlet pipelines across the barrier island to deliver transparent, high-salinity, low-nutrient seawater into the degraded estuary. The objectives include active regulation of residence time, salinity, nutrient concentration and water clarity with the goal of providing optimum conditions for proliferation of seagrasses and increased aquatic species diversity. Submitted by: Gannett Fleming, Inc.	Okaloosa	\$36,000,000
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 proposed improvements include the construction of roadside swales with ditch blocks to capture runoff and direct it to a proposed stormwater management facility located at the intersection of Valparaiso Boulevard and Bayshore Drive. This project retrofits existing impervious areas and in no way increases impervious surface. Submitted by: The 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: The 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-17 Okaloosa Island Shoreline Protection and Boardwalk	Okaloosa County proposes to develop shoreline property owned by the county to be used for pedestrian access and enjoyment of natural resources, while safeguarding against further erosion. The existing dune system, hammocks and inland ponds shall remain in their native state, while the relatively flat southerly portion of the property will likely be developed to accommodate picnic areas, wildlife viewing stations, playground space and an outdoor amphitheater. Installation of a shoreline retaining wall along 1300' of Choctawhatchee Bay frontage with an attached 10' wide boardwalk. Submitted by: Okaloosa County	Okaloosa	\$500,000

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O-18 Okaloosa County Nearshore Artificial Reef Construction	<p>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.</p> <p>Submitted by: Okaloosa County</p>	Okaloosa	\$1,010,532
O-19 Creation of a Regional Wildlife Refuge Facility and Restoration of a Public Coastal Dune Park	<p>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.</p> <p>Submitted by: Emerald Coast Wildlife Refuge</p>	Okaloosa	\$3,500,000
O-20 (Gulfwide) Okaloosa County Marine Life Center	<p>The Gulf Coast Marine Life Center, a Florida 501(c)(3) company, in collaboration with experts from the University of Florida, the University of Miami, Louisiana State University, Texas A&M, the University of Maryland, the University of North Carolina Wilmington, and the University of New Hampshire, is dedicated to restoring the economic and environmental health of the Gulf Coast in the wake of the Deepwater Horizon Oil Spill. This project is bringing together some of the best minds the U.S. has to offer in the fields of hatchery technology, sustainable aquaculture, fisheries science, and habitat restoration to bolster the Gulf Coast ecosystem's ability to provide viable ecological services for decades to come.</p> <p>Submitted by: Okaloosa County and AquaGreen, Inc. [Florida 501(c)(3)]</p>	Okaloosa	\$17,545,779
O-21 Okaloosa County Public Artificial Reef Assessment and Restoration	<p>This three phase project will assess and restore the Okaloosa County Artificial Public Reef Network. Phase I will be the physical inspection and reporting of the reef network. Phase II is the assessment of data and development of the restoration plans. Phase III will be the execution of the restoration plan and out-year monitoring.</p> <p>Submitted by: Okaloosa County - Public Works</p>	Okaloosa	\$1,606,000
O-22 Okaloosa Island Beach Reef	<p>This project includes the design, construction and monitoring of a nearshore artificial reef that will be accessible from shore and designed for use by snorkelers, kayakers, fishermen and divers. This reef system will be constructed from the EcoSystem (or equivalent) reef construction process. In short, the Okaloosa Island Beach Reef will consist of approximately 50 pilings driven into the seabed that have specially designed limestone embedded forms lowered onto the pilings to provide habitat for marine life. This design has proven to be stable, durable and attractive to marine life and has been installed in adjacent County waters.</p> <p>Submitted by: Okaloosa County Board of County Commissioners</p>	Okaloosa	\$302,000
O-23 Multi-Site Okaloosa County Nearshore Artificial Reef Construction – Fish Haven 15 and Fish Haven 16	<p>This scope of these projects includes the construction build out and monitoring of two nearshore artificial reef networks designed for use by kayakers, fishermen and divers. The two nearshore artificial reef networks (Fish Havens 15 and 16) are intended to extend and separate user groups that access the stressed County artificial reef network. Each Fish Haven will contain nine individual reefs for a total of 18 proposed reefs. Artificial reefs have very high public support, provide positive economic impacts to a wide range of local businesses and enhance the offshore environment by providing habitat in an otherwise featureless terrain.</p> <p>Submitted by: Okaloosa County Board of County Commissioners</p>	Okaloosa	\$907,132

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O-24 Okaloosa County - Inshore Submerged Foreign Material Assessment and Abatement	<p>Validated anecdotal evidence suggests that significant quantities of foreign materials including marine batteries have been discarded into Okaloosa County waters seaward from both residential, commercial and government owned properties. Okaloosa County proposes a three phase project to address the contamination assessment and remediation: Phase I: Employ qualified diving contractor to assess the nature and extent of contamination in County waters due to the presence of marine batteries and other submerged foreign materials. Phase II: Based on assessment results, a remediation plan will be developed with a project design and specifications to remove foreign material. Phase III: Removal and dispose of foreign material and/or neutralization of risk and abandon in place.</p> <p>Submitted by: Okaloosa County - Public Works</p>	Okaloosa	\$930,000
W-1 Live Oak Point Acquisition and Enhancement	<p>This project proposes estuarine marsh enhancement and wetland buffer acquisition in Walton County.</p> <p>Submitted by: Northwest Florida Water Management District</p>	Walton	\$1,750,000
W-2 Walton County Fishing Pier <i>Proposal Recalled by Applicant</i>	<p>1000-foot pier into the Gulf of Mexico in Walton County. Five miles, five acres. Located at Grayton Beach State Park.</p> <p>Submitted by: Walton County</p>	Walton	\$10,800,000
W-3 Recreation loss projects: land acquisition, boardwalks and dune crossovers	<p>1. Angelos Property: This parcel is approximately 3.57 acres of beach and dunes. Funding is requested for land acquisition of Angelos Property, and installation of boardwalks and dune crossovers. (\$5,000,000)</p> <p>2. Walton Dunes: Improvement of this beach access will provide 47 parking spaces, 2 handicapped parking spaces, a dune walkover and public restrooms. This parcel is approximately 2.4 acres of beach and dunes. It is owned by the County but remains undeveloped at this time. (\$266,966.02)</p> <p>3. Montigo Avenue: Improvement of this beach access will provide 20 parking spaces and a dune walkover allowing beach visitors to access the beach while protecting the dunes. This parcel is less than an acre of beach and dunes. It is owned by the County but remains undeveloped at this time. (\$153,165.80)</p> <p>4. Overflow Parking: This project will utilize existing right of way to provide 42 additional parking spaces for three nearby beach accesses. (\$458,889.80)</p> <p>Submitted by: Walton County</p>	Walton	\$5,879,022
W-4 Deer Lake Park Development	<p>Deer Lake is a 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.</p> <p>Submitted by: Florida Department of Environmental Protection, Division of Recreation & Parks</p>	Walton	\$500,000
W-5 Sand Dune Monitoring and Restoration	<p>Monitor 20 miles/70 acres.</p> <p>Submitted by: Walton County</p>	Walton	\$10,000,000
W-6 Western Walton County	<p>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.</p> <p>Submitted by: Florida Department of Environmental Protection</p>	Walton	\$15,000,000

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W-7 (a-g) 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
(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

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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
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: Florida Three Rivers Resources Conservation and Development	Walton	\$7,684,529
W-13 E.O. Wilson Biophilia Center	Various educational programs focused on conservation. Submitted by: The E.O. Wilson Biophilia Center	Walton	\$2,000,000
W-14 Walton County Marine Fisheries Hatchery/Enhancement Center	Walton County is working with the Florida Fish and Wildlife Conservation Commission (FWC), the Wildlife Foundation of Florida, the Northwest Florida State College (NWFSC), and the Choctawhatchee Basin Alliance of NWFSC (CBA) to develop a saltwater plant nursery and fish hatchery in Churchill Bayou (Walton County, Florida). This facility will have a dual purpose; (1) serving as the primary Gulf Coast plant nursery for marine/estuarine aquatic plants needed for coastal restoration and (2) providing a recreational fish hatchery for restoring fishing activity (i.e., increase angler participation and the number of fishing trips) by providing hatchery production and eventual release of highly sought-after sportfish species such as red snapper, red drum, spotted seatrout, and Florida pompano. 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. 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

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W-18 Infrastructure 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. 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
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
W-22 Recreation Loss Projects: Boardwalks and Dune Crossovers	The proposal is for a variety of beach access improvements at 6 locations. Proposed improvements include dune walkovers, boardwalks, parking, and enhanced public facilities at beach access areas. Submitted by: Walton County	Walton	\$74,750
W-23 Recreation Loss Projects: Kellogg Property Park Improvements	This project will provide for enhancements to park features and facilities at two parcels of Kellogg Property, in Walton County. The project will include a staging area for restoring critical habitat—oyster reefs and living shorelines—within Choctawhatchee Bay and serve as an educational/demonstration area for estuarine lessons on Choctawhatchee Bay. The enhancements at both locations will provide for bird watching activities and outdoor/wildlife areas in both upland and saltmarsh. Submitted by: Walton County	Walton	\$201,874
W-24 Re-Nourishment of Gulf Trace Beach	The project provides for beach restoration at Gulf Trace community, replacement of a dune walkover, planting sea oats, and dune restoration. Submitted by: A citizen of Santa Rosa Beach	Walton	\$400,000
W-25 Academy at E.O. Wilson Biophilia Center	This NRDA proposal is to develop an Environmental Education Academy so that High School Students who display a strong inclination for the environmental sciences can receive focused skilled training in that field. Submitted by: E.O. Wilson Biophilia Center (501c3 Nokuse Education, Inc.)	Walton	\$1,500,000
W-26 Web Eco Education	Our existing curriculum is printed material. This NRDA proposal is to convert our environmental curriculum into a digital format which can be shared on the Worldwide Web, which will immediately benefit the 6 school districts we currently work with in the Florida Panhandle, but also provides more environmental education opportunities to schools worldwide. Submitted by: E.O. Wilson Biophilia Center (501c3 Nokuse Education, Inc.)	Walton	\$500,000

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W-27 NOAA Science on a Sphere at Nokuse	This NRDA project proposal is to enhance the educational opportunities as restoration begins with education. NOAA Science on a Sphere (http://sos.noaa.gov/What_is_SOS/index.html) is an educational tool that would enable us to show both students and the public global environmental challenges and track restoration projects worldwide. Submitted by: E.O. Wilson Biophilia Center (501c3 Nokuse Education, Inc.)	Walton	\$820,000
W-28 A STEMulating Prospect	The E.O Wilson Biophilia Center plans to continue having 6,500 students experience STEM (Science, Technology, Engineering and Math) in Action and develop online/video curriculum for the students in 4th and 7th grades. Panhandle Area Education Consortium and FEC-TV can film the presentations and together we can distribute this educational material to Gulf Coast States and schools (and even worldwide). Total cost: \$2 million/year for 3 years. Submitted by: E.O. Wilson Biophilia Center (501c3 Nokuse Education, Inc.)	Walton	\$6,000,000
W-29 Coastal Dune Lakes Hydrologic Restoration Project	This project proposes the removal of the old and dilapidated culverts under County Road 30A and replacing them with bridges on five (5) coastal dune lakes (Deer Lake, Big Redfish Lake, Little Redfish Lake, Alligator Lake, and Draper Lake). County Road 30A crosses these lakes where culverts separate the north and south sides of a once contiguous ecosystem. As a result, the north side of each lake has become an exclusively freshwater system while the south side has retained the brackish characteristics of a Coastal Dune Lake. The proposed project will restore the connection and circulation of the lakes and improve the lake community and adjacent ecosystems. Submitted by: Walton County Board of County Commissioners	Walton	\$2,741,079
Wa-1 Brunson Landing Acquisition and Restoration	This project proposes acquiring land for conservation, restoration, and enhancement in Washington County. Submitted by: Northwest Florida Water Management District	Washington	\$1,470,000
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: The 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 Near Shore Small 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	\$2,538,094

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B-5 Panama City Beach-Community Redevelopment Agency (CRA)/Long Beach Park Educational Beach/Dune Lake Walk/Paddle Trail	<p>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.</p> <p>Submitted by: Panama City Beach Community Redevelopment Agency</p>	Bay	\$9,000,000
B-6 Mexico Beach, Bay County	<p>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.</p> <p>Submitted by: Florida Department of Environmental Protection</p>	Bay	\$100,000
B-7 St. Andrews Inlet, Shoreline Stabilization and Breakwaters Construction, Bay County	<p>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.</p> <p>Submitted by: Florida Department of Environmental Protection</p>	Bay	Unknown
B-8 Bay County Tourist Development Council (TDC)/Beachfront Acquisition/Development of Environmental Education Center	<p>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.</p> <p>Submitted by: Bay County Tourist Development Council</p>	Bay	\$51,500,000
B-9 West Bay of the St. Andrew Bay Estuary and Ecosystem	<p>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.</p> <p>Submitted by: Bay County c/o West Bay Preservation Advisory Committee</p>	Bay	Unknown
B-10 Panama City Beach-Community Redevelopment Agency (CRA)/Front Beach Road-Stormwater	<p>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.</p> <p>Submitted by: Panama City Beach Community Redevelopment Agency</p>	Bay	\$144,000,000
B-11 Urban Stormwater Retrofits – St. Andrew Bay	<p>Stormwater treatment; estuarine water quality improvement.</p> <p>Submitted by: Northwest Florida Water Management District</p>	Bay	\$1,700,000
B-12 St. Andrews State Park Concession Building Replacement	<p>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.</p> <p>Submitted by: Florida Department of Environmental Protection, Division of Recreation & Parks</p>	Bay	\$400,000

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Project	Description	County	Estimated Cost
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. 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	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. 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. 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
B-18 City of Panama City Beach/PCB Laguna Beach Sanitary Sewer System Project	The project is part of the City of Panama City Beach's long term plan to provide sanitary sewer service in older beach communities that predate the City municipal sewer system. Submitted by: The City of Panama City Beach	Bay	\$7,461,800
B-19 Seagrass Restoration and WQ Management in Grand Lagoon Estuary	Installing an ocean inlet pipeline across the barrier island to deliver transparent, high-salinity, low-nutrient seawater into the degraded estuary. The objectives include active regulation of residence time, salinity, nutrient concentration and water clarity with the goal of providing optimum conditions for proliferation of seagrasses and increased aquatic species diversity. Submitted by: Gannett Fleming, Inc.	Bay	\$12,000,000
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

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Project	Description	County	Estimated Cost
B-21 Mexico Beach Canal Park Marina Improvements	The City of Mexico Beach proposes several improvements to the existing Mexico Beach Canal Park. It is necessary to make improvements to this Marina because it is the only public access boating facility in the City. Improvements proposed are updating the Marina parking to a total of 94 parking places, replacing a portion of the boardwalk, and constructing new finger pier support piling and mooring pilings. A new retaining wall will be reconstructed around the canal. Other various utility updates will include water line replacement, power line replacement, utility pedestals, fish cleaning stations, and dock lighting. The final site will be landscaped to create a visually appealing site in the City of Mexico Beach, FL. Submitted by: The City of Mexico Beach	Bay	\$2,967,454
B-22 City of Parker - Donaldson Point and Oakshore Drive Pier	This pier will provide fishing and recreational access to the City of Parker and Tyndall Airforce Base. A 500 foot long fishing pier is proposed for use by the City of Parker and Tyndall Airforce Base residents, as well as an 80 foot long dock on Donaldson Point. Submitted by: Preble-Rish, Inc. for the City of Parker	Bay	\$844,222
B-23 Mexico Beach - Beach and Dune Renourishment Project	There are two phases to this project. Phase I will include increasing the Sand Bypassing from the west side of the inlet to the east side. This phase should reduce the sediment settling into the inlet from the eastern shoreline and increase the time between maintenance dredging activity. Phase II will include Beach and Dune Restoration within "critically eroded" shoreline by using material that has been stockpiled. The cost estimate preliminary engineering services, geotechnical fees, and construction phase engineering services. Submitted by: Preble-Rish, Inc. for the City of Mexico Beach	Bay	\$6,158,775
B-24 Mexico Beach Boat Ramp Parking Facility and Beach Walkovers	The proposal is to construct additional parking next to the existing boat ramp on the north side of HWY 98 near 24th Street to provide efficient parking for boaters and beach-goers. The existing lot will be leveled and paved. The proposed project will add 15 regular parking spaces along with two handicapped spaces. The addition of beach walkovers (3 small and 1 large) will provide easier beach access for residents and visitors. Submitted by: City of Mexico Beach Community Development Council	Bay	\$113,517
B-25 Crooked Creek Boat Ramp Construction	This project would entail constructing a new boat ramp facility/fishing pier/access road and parking area on a 7.2 acre parcel of land that Bay County is acquiring from the St. Joe Company on the west side of Crooked Creek, just north of Highway 388. Currently boaters launch into Crooked Creek at an undeveloped dirt ramp located on St. Joe property, just north of the Crooked Creek Bridge on Highway 388. The only access/parking for this ramp is on the right-of-way of Highway 388. The construction of this project would eliminate the safety concerns noted above, protect existing water quality and the associated estuarine ecosystems, as well as improve recreational access to Crooked Creek and West Bay. Submitted by: Bay County Board of County Commissioners	Bay	\$650,000
B-26 City of Panama City Marina Fishing Pier	This project proposes to construct a new fishing pier at the Panama City Marina thereby initiating use of the bay by the non-boating public. This project will provide additional recreational and fishing opportunities for the public. Submitted by: Preble-Rish, Inc.	Bay	\$1,817,750
B-27 City of Panama City Marina Boat Ramp and Staging Docks	This project proposes to replace a poorly functioning boat ramp at the Panama City Marina and construct new staging docks. This project will provide additional recreational and fishing opportunities for the public. Submitted by: Preble-Rish, Inc.	Bay	\$739,450

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B-28 Carl Gray Park Boat Ramp Improvements	This project seeks complete replacement of the boat ramp at Carl Gray Park, one of Panama City's oldest parks. The park provides a public launch for boats as well as picnic areas and playgrounds. It is also adjacent to Gulf Coast State College and hosts a number of fairs and festivals. This project will provide additional recreational and fishing opportunities. Submitted by: Preble-Rish, Inc.	Bay	\$618,700
B-29 North Bay Collection System Improvements	The proposal is to remove Septic Tanks in the Southport Community to protect Class I and Class II water bodies. Removal of septic tanks, many of which are old and do not meet present day standards, will greatly improve the water quality of Deer Point Reservoir and St. Andrews Bay. The project will result in beneficial reuse by direct recharge of the surficial ground water by a permitted facility. Bay County has already funded \$220,405 toward design and engineering for the project. Submitted by: Bay County Utility Services	Bay	\$2,220,405
B-30 Watson Bayou Waterfront Park Fishing Pier	This project seeks to assist with redevelopment of waterfront industrial land into a public park in the historic Millville neighborhood of Panama City, Florida. The City purchased this 4.2 acre parcel in 2008 in order to give residents waterfront access to Watson Bayou. The first phase of the project included landscaping, lighting, irrigation, benches and picnic tables. The second phase is the construction of a fishing pier. This project will allow for construction of the full pier as originally conceived, rather than a scaled back version. Submitted by: Millville Program Manager, Panama City	Bay	\$199,578
B-31 St. Andrews Marina Improvements	This project proposes to rehabilitate and improve the St. Andrews Marina in Panama City, Florida. Owned by the City since 1959, this project would improve boater safety through installation of a floating dock and improved signage and parking facilities. The marina is also the center of non-boating activity, acting as a centerpiece for community festivals and a weekly farmer's market. Submitted by: Marina Director, Panama City	Bay	\$313,000
B-32 North Site Artificial Reef Project	Prefabricated artificial reef materials consisting of one US Coast Guard Cutter (or similar type of vessel), 69 Florida Limestone Artificial Reef modules, 82 Ecosystem Reef modules, and 28 Grouper Reef modules will be distributed as 17 patch reefs within a one-square nautical mile area currently permitted by the US Army Corps of Engineers (USACE). The project will enhance both the environment and economy of the area. Submitted by: The City of Mexico Beach	Bay	\$1,552,595
B-33 Bridge Span Site Artificial Reef Project	Prefabricated artificial reef materials consisting of one US Coast Guard Cutter (or similar type of vessel), 76 Florida Limestone Artificial Reef modules, 87 Ecosystem Reef modules, and 26 Grouper Reef modules will be distributed as 18 patch reefs within a one-square nautical mile area currently permitted by the US Army Corps of Engineers (USACE). The project will enhance both the environment and economy of the area. Submitted by: The City of Mexico Beach	Bay	\$1,572,705
B-34 City of Mexico Beach Fish Cleaning Station	The City of Mexico Beach is seeking to build a "Muffin Monster" grinder-style fish cleaning station and plumb it into the adjacent sewer lift station for disposal and treatment. By installing a grinder-style fish cleaning station, the waste will be pumped into the City's sanitary sewer system where it will then be transported to Bay County's Military Point Advanced Wastewater Treatment Facility for treatment, complying with all Florida Department of Environmental Protection requirements. Submitted by: The City of Mexico Beach	Bay	\$88,000

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Project	Description	County	Estimated Cost
B-35 North Bay Highway 77 & 2300 Reuse Line	By making reuse water available to the regional power plant we would be reducing environmental impacts to the West Bay portion of St. Andrews Bay from cooling water discharge from Southern Power's Smith Plant. This would result in improved water quality in an impaired marine estuary (Class I and Class II water bodies in St. Andrews Bay and adjoining water bodies). The ability to supply a customer with low cost reuse water instead of discharging effluent from the Wastewater Treatment plant would provide additional natural resource protection. Submitted by: Bay County Utility Services	Bay	\$2,250,000
B-36 Highway 388 Forcemain and Reuse Line	Bay County is developing a project to handle excess wastewater flow from the Northwest Beaches International Airport vicinity and decommission an existing wastewater treatment facility. Expanding capacity at the existing package plant, in the impaired West Bay area of St. Andrews Bay, would have a greater environmental impact on reserves than diverting flow to an already constructed Advanced Wastewater Treatment Plant. If enough funds are available, a reuse line can be installed at the same time which would result in further reducing development impacts on the Deerpoint Reservoir and the Regional Wastewater Plant. This project is part of a Master Planning effort to protect Class I and Class II water ways and Bayous with Advanced Wastewater Treatment methods and future reuse. Submitted by: Bay County Utility Services	Bay	\$2,500,000
B-37 Alternate Water Supply	Currently, water is supplied from an intake and pumping station located in the southern portion of Deer Point Reservoir. During Hurricane Opal, a storm surge caused salt water intrusion into the fresh water supply. The Utility has looked at many alternatives for the current supply and studies have indicated that a new second intake and pump station located at the north inland end of the reservoir near the mouth of the main tributary Econfina Creek would be less affected by a breach. Submitted by: Bay County Utility Services	Bay	\$25,000,000
B-38 City of Parker Wastewater System Improvements	The City of Parker (City) has undertaken this planning effort to ensure that its wastewater system will be capable of meeting Parker's existing and future needs. The City's wastewater system infrastructure dates back to the early 1960s and will soon be unable to support the growing community. Additional upgrades and rehabilitation improvements to the existing wastewater system are needed to prevent failure due to deterioration, meet capacity requirements, and to ensure Clean Water Act requirements are met. Submitted by: The City of Parker	Bay	\$1,251,700
B-39 East Pass Restoration Project	The proposed project is to re-open East Pass along the path of the historic channel linking St. Andrew Bay and the Gulf of Mexico. The proposed project is expected to result in improved water quality and clarity for 4,000 or more acres of St. Andrew Bay lying between Shell Island and Tyndall Air Force Base. In addition, the proposed project will also enhance habitat for endangered species such as the Choctawhatchee Beach Mouse, sea turtles, and the piping plover. Creating additional sand dunes with the spoil material will enhance habitat the Choctawhatchee Beach Mouse and the channel will create a barrier making it more difficult for predators to reach the mice on Shell Island. Creating additional beach with the spoil material will enhance nesting habitat for endangered sea turtles and will make ideal habitat for the piping plover. Submitted by: Bay County Board of County Commissioners	Bay	\$18,242,500
G-1 Gulf County Sand Dune & Vegetation Project	Evaluate and restore sand dunes, sand fencing, sea oats and other 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

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Project	Description	County	Estimated Cost
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	The proposal is to place artificial reefs approximately 20 miles offshore in five 1-mile radius areas, placing two reefs within each square mile, for a total of 10 reef projects. The project would occur in areas of the Gulf of Mexico which have active, approved permits in place. Submitted by: Gulf County	Gulf	\$455,000
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)	1. Purchase of Presnell's Marina property (approx. 14 acres on St. Joseph Bay), construction of a Marine Biology Center, monitoring and rehabilitation of seagrass beds, installation of a new channel marker/buoy system, expansion of the boat launch, construction of a parking lot, restroom facilities, and picnic facilities (\$10,000,000). 2. Rehabilitation of two boat ramps utilized by BP's Vessels of Opportunity on St. Joseph Bay: Highland View boat ramp (\$150,000) and Indian Pass boat ramp (\$150,000). 3. Construction of a fishing pier into St. Joseph Bay at Windmark Beach (\$1,000,000) and improvements to Beacon Hill Veterans' Memorial Park, including an amphitheater, pavilions, restrooms, a nature trail, and parking area (\$500,000). 4. Purchase of property on a canal of the Intracoastal Waterway to construct a mooring field/"safe harbor", public restrooms, and picnic facilities (\$2,000,000). Purchase of property in the Highland View area on U.S. Highway 98 (approximately 5.6 acres) adjacent to St. Joseph Bay for the purpose of constructing a wayside park facility with parking, restrooms, and picnic facilities, to be known as Butler Bay Park (\$3,000,000). Purchase of property on the St. Joseph Bay side of Cape San Blas for construction of a boat launching facility (\$500,000). Submitted by: Gulf County	Gulf	\$17,300,000

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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)	<p><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.</p> <p>Submitted by: Florida Department of Environmental Protection</p>	Gulf	\$2,046,458
G-10 Debris Removal and restoration of barrier island critical to nesting loggerhead turtles along St. Joseph Peninsula, FL	<p>Identify marine debris; remove from beach and nearshore; sea oat planting/dune restoration; tag turtles.</p> <p>Submitted by: University of Florida</p>	Gulf	\$1,235,240
G-11 Gulf County Seagrass Restoration & Buoy Project	<p>Test waters to evaluate seagrass beds for damages, test for product, and implement a buoy system to protect seagrasses from boaters in the future.</p> <p>Submitted by: Gulf County</p>	Gulf	\$1,500,000
G-12 Gulf County Marine Species & Human Health Monitoring Project	<p>Monitor seafood for health and human safety and give information to the public.</p> <p>Submitted by: Gulf County</p>	Gulf	\$1,400,000
G-13 Gulf County Water Quality Monitoring Project	<p>Water quality testing for contaminant and provide for restoration in St. Joseph Bay, Gulf of Mexico, Indian Lagoon, St. Joe Canal, Intracoastal Waterway and Lake Wimico.</p> <p>Submitted by: Gulf County</p>	Gulf	\$1,000,000
G-14 Gulf County Geospatial Data Quality Assurance	<p>Three year plan, staffing 2 geospatial professionals to bring county data up to date with available current geospatial data. Including threatened species, aquatic preserves, protected seagrasses, beaches located in the "3 black diamond" areas ranked with high priority for protection according to the USCG.</p> <p>Submitted by: Gulf County</p>	Gulf	\$353,000
G-15 Gulf County Infrastructure Projects	<p>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.</p> <p>Submitted by: Gulf County</p>	Gulf	\$7,200,000
G-16 St. Joe Bay Buffer Florida Forever Project/ St. Joe Bay State Buffer Preserve/ St. Joe Bay Aquatic Preserve	<p>Land acquisition project; remaining acres = 3,263. Minimal restoration is anticipated given the high-quality of the natural communities in the project.</p> <p>Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife</p>	Gulf	\$22,188,000

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G-17 Cape San Blas Lighthouse Relocation Project	The project will relocate, restore, and preserve the Cape San Blas Lighthouse. The lighthouse, two keepers' quarters, and oil house are in grave danger due to erosion and must be relocated to preserve them. One of the lighthouse keeper's houses would be used as a museum of local history. Funding Available: \$82,000. Submitted by: The City of Port St. Joe	Gulf	\$982,000
G-18 Bridge Rubble Site Artificial Reef Project	Prefabricated artificial reef materials consisting of one US Coast Guard Cutter (or similar type of vessel), 112 Florida Limestone Artificial Reef modules, 56 Ecosystem Reef modules, and 33 Grouper Reef modules will be distributed as 17 patch reefs within a one-square nautical mile area currently permitted by the US Army Corps of Engineers (USACE). Project will enhance the environment and economy of the Gulf County area. Submitted by: Gulf County	Gulf	\$1,582,515
G-19 South Site Artificial Reef Project	Prefabricated artificial reef materials consisting of one US Coast Guard Cutter (or similar type of vessel), 88 Florida Limestone Artificial Reef modules, 77 Ecosystem Reef modules, and 37 Grouper Reef modules will be distributed as 18 patch reefs within a one-square nautical mile area currently permitted by the US Army Corps of Engineers (USACE). Project will enhance the environment and economy of the Gulf County area. Submitted by: Gulf County	Gulf	\$1,585,605
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	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. Submitted by: Florida Department of Environmental Protection	Franklin	\$1,000,000
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

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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 Nourishment	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 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-12 Cat Point Breakwater	Restore approximately one acre of salt marsh, originally created to mitigate impacts associated with the St. George Island Bridge, through the enhancement/restoration of the breakwater and planting marsh vegetation. Submitted by: Florida Department of Environmental Protection	Franklin	Unknown
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
F-14 Hydrologic Connectivity and Wetland Function in Apalachicola Bay Watershed	Restore historic hydrology to over 88,000 acres of freshwater and estuarine marshes through the installation of bridges, culverts, low water crossings. Previously submitted to ARRA. Submitted by: Northwest Florida Water Management District	Franklin	\$2,714,000
F-15 Apalachicola Riverkeeper Community Website to Enhance Disaster Resiliency	Community website for education and real time disaster response information updates. Submitted by: Franklin County Board of County Commissioners, partnering with the Apalachicola Riverkeeper Organization	Franklin	\$200,000

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F-16 Tate's Hell Swamp, New River Basin Hydrologic Restoration	Hydrologic and wetland habitat restoration. Submitted by: Northwest Florida Water Management District	Franklin	\$1,940,000
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. Submitted by: Florida Department of Agriculture and Consumer Services	Franklin	\$1,052,650
F-18 WRAP: Watershed Restoration, Apalachicola Project	This proposal contains Part Two of a Solutions Action Plan (SAP) which addresses problems in the watershed located from the Waste Water Treatment facility in Franklin County to the Apalachicola Bay. The proposed project includes watershed testing for toxins and active bacteria above normal levels, bay and watershed bioremediation, food handlers' health and safety, waste water plant improvements, and economic reparations. Submitted by: Bioremediation, Inc.	Franklin	\$65,000,000
F-19 Enhancement of Franklin County Parks and Boat Ramps	Building new and enhanced facilities at nine separate sites in Franklin County. Some of the proposed enhancements are docks, parking, and restrooms. Submitted by: Franklin County	Franklin	\$4,100,000
F-20 St. George Island Marine Park	The project proposes to purchase approximately 20.5 acres of undeveloped property on the bay side of St. George Island. The project will modify the existing boat basin to create a state-of-the-art boat launch facility that meets Aquatic Preserve and Outstanding Florida Waters criteria. Problems with on and off-site runoff and erosion of fill placed along the shoreline will also be addressed. The salt marsh on the west side of the project has been impacted by past dredge and fill activity and is proposed for restoration. Submitted by: Franklin County	Franklin	\$1,000,000
F-21 Alligator Point FSU Marine Lab	This project would convert the old FSU Marine Lab at Alligator Point to a public park. Since the new FSU Marine Lab at Turkey Point was constructed, the old site at 1400 Alligator Drive has been little used. The site has deep water access close to the shore, one of the only sites on Alligator Point where this is available. This site would be developed as a public park with restrooms, a public boat ramp, picnic pavilions, and parking areas. Submitted by: Franklin County	Franklin	\$222,000
F-22 Apalachicola Bay/Lake Wimico/Box-R Wildlife Management Area	The subject property is located along the SE shoreline of Lake Wimico on the Jackson River, a major tributary to the Apalachicola River and Bay. It is a critical inholding within Box-R WMA and is available for acquisition. Submitted by: The Conservation Fund	Franklin	\$2,300,000
F-23 Apalachicola Waste Water Treatment Plant Improvements	Upgrade the wastewater treatment plant head works to improve grit removal, construct reject pond basin, construct weather storage basin, various plant upgrades, upgrade the lift station at Bobby Cato Street and eliminate 24 septic tanks, and add to the collection system. Submitted by: The City of Apalachicola	Franklin	\$3,200,000

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F-24 Apalachicola River Wildlife and Environmental Area Fishing and Wildlife Viewing Access Improvements	This project will construct a 6' boardwalk on the periodically wet ¼-mile Sand Beach interpretive trail and a 700 square foot fishing/wildlife observation structures and associated parking on Cash Bayou. The projects will provide improved public access for visitors to the area, in particular recreational and subsistence fisherman and wildlife viewers, while protecting sensitive shorelines and wetlands from human use impacts and interpreting those resources for visitors. Submitted by: Florida Fish and Wildlife Conservation Commission	Franklin	\$253,284
Wk-1 Shell Point, Wakulla County	1.0 mile segment of critically eroded beach. A feasibility study was initiated in 2007. Strategy: Conduct a small scale beach restoration of the public beach area using sand from upland borrow sources; complete feasibility study; monitor. Submitted by: Florida Department of Environmental Protection	Wakulla	\$750,000
Wk-2 Mashas Sands County Park, Wakulla County	0.3 mile segment of critically eroded beach. A terminal groin has been authorized but not yet constructed by the county near the west end of the park. A feasibility study was initiated in 2007. Strategy: Conduct a small scale beach restoration project using sand from upland borrow sources or from maintenance dredging of an adjoining canal entrance; complete feasibility study; monitor. 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	\$5,050,000
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
Wk-5 St. Marks Innovation Park Municipal Dock	The St. Marks Innovation Park Municipal Dock is owned and operated by the City of St. Marks, Florida. This dock provides access to the St. Marks and Wakulla Rivers and is 5 miles from the Gulf of Mexico. The proposal is to upgrade the municipal dock so that it could be used by permitted commercial fisherman, including the off-loading of commercial seafood catch. Submitted by: The City of St. Marks	Wakulla	\$655,072
Wk-6 Artificial Reefs	The proposal is for restoration and expansion of artificial reefs within State waters along the Wakulla Coastline, which will enhance the Gag Grouper habitat and spawning area, and increase recreational fishing. Submitted by: Wakulla County Board of County Commissioners	Wakulla	Unknown
Wk-7 Oyster Relay, Reseeding and Habitat Restoration	To ensure that the local oyster industry continues to provide jobs and revenue to Wakulla County, this application is for oyster relay, reseeded and restoration to create and enhance this County's oyster reefs and industry. Submitted by: Wakulla County Board of County Commissioners	Wakulla	Unknown
Wk-8 Bayside Marina Project/Brothers Three Boat Ramp Project	Priority 1: Purchase Bayside Marina on 2.56 acres fronting the Ochlockonee Bay, Surf Road. It has 36 existing boat slips and spacious parking. It would however require site improvements, RV parking and other rehabilitation efforts, which would result in providing optimal conditions for all marine vessels. Under this option the Brothers Three Boat Ramp would be closed. Priority 2: If the County were not successful in acquiring the Bayside Marina, it would need to completely restore and rehabilitate the Brothers Three Marina, which would include land acquisition for parking, addition of a dock, erosion control and other rehabilitation efforts. Submitted by: Wakulla County Board of County Commissioners	Wakulla	Unknown

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Wk-9 Mashas Sands Park - OBBT Trail Head Project	<p>Possible land acquisition and construction of a trail head for the section of the Ochlockonee Bay Bike Trail (OBBT) ending at U.S. Highway 98, beginning at the Mashas Sands Park. The OBBT is an 11.7 mile bike trail that extends from Mashas Sands Park to U.S. Highway 319, along CR 372. The OBBT was funded by the Florida DOT Work Program and is a component of a larger coastal trail planning effort known as the Capitol to the Sea Loop.</p> <p>Submitted by: Wakulla County Board of County Commissioners</p>	Wakulla	Unknown
Wk-10 Mashas Sands Park - Beach Improvements and Restoration	<p>Mashas Sands Park Beach Area Projects will enhance the beach enjoyment and services to the beach going public and protect the beach area. The following projects will require at a minimum design, survey, permitting and construction: beach restoration and concrete retaining wall (ref: project wk-2), rehabilitation for the roadway and parking area, ADA parking and access path to restroom/beach, restroom facility improvements, stabilized solid waste receptacle, signage and education kiosks.</p> <p>Submitted by: Wakulla County Board of County Commissioners</p>	Wakulla	\$469,008
Wk-11 Mashas Sands Beach Restoration and Renourishment (Can be combined with Wk-2)	<p>This project will rehabilitate and restore the Mashas Sands Beach as well as protect the area from further erosion. This project would include construction of a 100-foot terminal structure on the north end of the beach fill to reduce sand losses and increase performance. It would also provide for an educational kiosk about the Mashas Sands Beach, BP restoration efforts and protection of the area's natural resources.</p> <p>Submitted by: Wakulla County Board of County Commissioners</p>	Wakulla	\$1,630,000
Wk-12 Mashas Sands Park - Boardwalks, Observation Platforms, Walking Paths	<p>The proposal is for observation platforms, boardwalks, walking paths and signage because there are numerous areas of the Park that are not accessible. Boardwalks, walking paths, observation platforms and education kiosks would enhance visitors' experience to the Park, provide education about the environment, and protect habitats from foot traffic. At a minimum this project will require siting, design, surveying, permitting, and construction.</p> <p>Submitted by: Wakulla County Board of County Commissioners</p>	Wakulla	\$897,000
Wk-13 Mashas Sands Park - Boat Ramp Area Improvements	<p>The proposed Boat Ramp Area Improvement Projects will provide enhanced access and safe passage for all boaters using the Park boat ramp, and will improve facilities. The project includes: rehabilitating the existing boat ramp, dredging the boat ramp canal out to the Ochlockonee River, picnic pavilions, gazebo at the point, ADA parking/access to and refurbishment of existing restroom facility, signage and education kiosks.</p> <p>Submitted by: Wakulla County Board of County Commissioners</p>	Wakulla	\$649,340
Wk-14 Mashas Sands Park - Canoe/Kayak Launch Project	<p>A Canoe/Kayak Launch is needed because currently the Park does not have a designated launch pad. To provide for a better experience to all beach goers and to protect the environment, it is important to provide for a designated launch site with proper signage. This project will require site location at the Park, design, survey, permitting and construction.</p> <p>Submitted by: Wakulla County Board of County Commissioners</p>	Wakulla	\$408,000
Wk-15 Mashas Sands Park - Entrance Gate Project	<p>This application for an Entrance Gate, is very much need because CR 372 ends at Mashas Sands Park, with only signage delineating the Park area. A security gate, at a minimum, is needed to protect the area during non-operating hours. The gate and other fencing that might be necessary, will require site location, design, surveying, permitting, and construction.</p> <p>Submitted by: Wakulla County Board of County Commissioners</p>	Wakulla	Unknown

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Wk-16 Purify Bay Improvement Projects	Purify Bay is owned and operated by Wakulla County, through a Florida Communities Trust Grant managed by the Department of Environmental Protection. It is approximately 435.22 acres, within the St. Marks National Wildlife Refuge. This site is also a planned Blueway Connection and/or launch point. This application is for the purpose of providing an appropriate canoe/kayak launch pad with appropriate signage and educational kiosks. Submitted by: Wakulla County Board of County Commissioners	Wakulla	Unknown
Wk-17 Shell Point Public Beach Improvements and Restoration (Can be combined with Wk-1)	In 2010, boom was deployed from the Shell Point Beach area, which further contributed to erosion and damage to the area. This proposal is for restoration of the beach to provide a better experience to beach goers. It is also for a much needed boat ramp to provide boating access to the Bay since there is not a public boat ramp at Shell Point; and the closest public boat ramp is located in St. Marks. The project will also involve dredging of the channel and navigation signage for boaters. Submitted by: Wakulla County Board of County Commissioners	Wakulla	Unknown
Wk-18 Coast Sewer Improvement and Repair Projects	Sewer systems along US Highway 98 in Wakulla County are subject to moderate to severe damage due to flooding and saltwater infiltration. It is vital that existing sewer systems be replaced and repaired to ensure the safety and wellbeing of humans and the environment. Therefore, this application is being submitted to replace and repair sewer systems in coastal Wakulla County. Submitted by: Wakulla County Board of County Commissioners	Wakulla	\$4,200,000
Wk-19 Rock Landing Commercial Pier Project	Rock Landing is owned and operated by Wakulla County, purchased through a Florida Boating Improvement Program grant in 2006. Rock Landing is part of the Panacea Waterfronts Community Program and provides for boating and fishing activities as well as being a popular gathering spot for visitors. While it is not a beach, it has a local and regional impact with its 24-hour accessible commercial and recreational public boat ramp, 10 boat slips, and limited parking. The proposal is for the purpose of adding a commercial vessel pier that will increase public safety, enhance visitors' experience to the park, and expand docking for permitted commercial vessels, which will help to revive the commercial fishing industry as there are limited docking slips available. Submitted by: Wakulla County Board of County Commissioners	Wakulla	Unknown
Wk-20 Rock Landing Improvement Projects	Rock Landing is owned and operated by Wakulla County, purchased through a Florida Boating Improvement Program grant in 2006. Rock Landing is part of the Panacea Waterfronts Community Program and provides for boating and fishing activities as well as being a popular gathering spot for visitors. This project is for the purpose of expanding recreational activities at the Park, and will include: addition of a fish cleaning area, addition of a boardwalk, expanding the number of boat slips, expanded parking through land acquisition, providing stormwater management for runoff from the parking area into the Bay, and providing education kiosks and information throughout the Park area. Submitted by: Wakulla County Board of County Commissioners	Wakulla	Unknown
Wk-21 Wooley Park Improvements and Restoration Projects	Wooley Park is owned and operated by Wakulla County and is located in Panacea, off of U.S. Highway 319, fronting Dickerson Bay and providing access to the Gulf of Mexico. This application is for the purpose of increased public safety, enhancing visitors' experience to the park, and expanding recreational activities. The project will include: paving of existing parking area, repaving of walking path, improving existing restroom facilities, adding a seasonal RV parking area, providing education kiosks and information, park lighting, bringing the existing Pier into ADA compliance, providing observation decks overlooking Dickerson Bay, providing parking near the Pier, renovating existing Piers, constructing a boardwalk connecting the two existing Piers, and a canoe/kayak launch. Submitted by: Wakulla County Board of County Commissioners	Wakulla	\$1,965,800

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T-1 Yates Creek Boat Ramp Gulf Access	Yates creek is a freshwater creek located on the Gulf coast in Taylor County, Florida. A large portion of Yates Creek and a natural boat ramp are contained in a 220 acre parcel owned by the Clark Properties of Taylor County. The adjoining property owners (up to 500 acres) have expressed an interest in joining the project, allowing for space for primitive camping, nature trails, bird-watching activities and educational field trips. Submitted by: Clark Properties of Taylor County LLC	Taylor	\$5,000,000
D-1 Lower Suwannee River and Gulf Watershed Conservation Easement	This project will protect the water quantity/quality of the Big Bend Seagrasses Aquatic Preserve, a 945,000-acre area designated to protect fragile seagrass beds, located just offshore in the Gulf of Mexico. The Lower Suwannee CE project will buffer and protect this vast system of public lands, which are increasingly becoming stressed by forces beyond their boundaries, including development pressure, off-site impacts to water quantity/quality, and climate change. It will also protect listed species such as, Wood stork, Florida black bear, Gulf sturgeon, and American alligator. Submitted by: The Conservation Fund	Dixie	\$25,000,000
D-2 Freeman Tract/Steinhatchee River	Propose to acquire the Freeman Tract within the Big Bend Wildlife Management Area. Located at the mouth of the Steinhatchee River, the tract will protect the water quality of the gulf and river, preserve habitat for wildlife, and provide recreational opportunities for the public. Submitted by: The Conservation Fund	Dixie	\$850,000
L-1 Oyster Reef Restoration in the Suwannee Sound Region, Florida	This project will use a combination of proven technique to replace substrate and re-seed oyster populations on impaired oyster reefs in Suwannee Sound in Levy County. Submitted by: Florida Department of Agriculture and Consumer Services	Levy	\$1,000,000
L-2 Caber Coastal Connector Florida Forever Project/Cedar Key Scrub State Reserve/Lower Suwannee National Wildlife Refuge	Land acquisition project acreage(remaining project acres): 7,052. Project area has some areas that are disturbed as a result of silviculture management practices and some that are relatively intact. Restoration will be a high priority for future management, especially in the scrub communities and in other areas that are currently in pine plantations. Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife	Levy	\$38,805,000
L-3 Chambers Island/Withlacoochee River Estuary	Land acquisition and protection at the mouth of the Withlacoochee River, with an affected area of 83,000 acres. Submitted by: The Conservation Fund	Levy	\$1,600,000
C-1 Crystal River National Wildlife Refuge Paradise Point Land Acquisition	Acquire 2.17 acres adjacent to canal into Three Sisters Springs. Manatee, bottlenose dolphin, laughing gull, brown pelican. Site of USGS manatee health assessments – capturing and tagging. Potential USGS/FWS manatee research facility. Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife	Citrus	\$2,400,000
C-2 Crystal River National Wildlife Refuge Cool Springs Land Acquisition	Acquire 6,000 acres. Documented T&E species: wood stork, brown pelican, whooping crane, more than 3,000 gopher tortoises, Florida sandhill cranes. Drains into Withlacoochee, an important nursery for multiple Gulf species. Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife	Citrus	\$35,000,000

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C-3 Three Sisters Spring Restoration	The project seeks to stabilize eroding banks at the Three Sisters Springs by restricting foot traffic (from visitors accessing the property from the water) and by re-establishing native plants on its banks. The project will also clear out spring vents that may be restricted by debris and fallen vegetation. Because of the abundance of manatees in the winter season, the springs are an eco-tourist hotspot where visitors can admire manatees at close range. Submitted by: Crystal River National Wildlife Refuge	Citrus	\$1,200,000
H-1 Chassahowitzka Florida Forever Project/Chassahowitzka Wildlife Management Area/Chassahowitzka National Wildlife Refuge	Land acquisition project acreage (remaining project coastal acres) : 5,746. The area has received minimal human disturbance, the primary exception being logging operations at the turn of the century. The subtropical climate and organic soils of the swamp have assisted in healing many of the scars from logging operations, and the swamp is currently in near-pristine condition. Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife	Hernando	\$31,625,000
Hb-1 Egmont Key Visitor and Education Center	Propose to develop a visitor center at the Egmont Key NWR with exhibits to educate the visiting public on the value of the land, its wildlife and the mission of the Refuge. Submitted by: Tampa Bay National Wildlife Refuges	Hillsborough	\$1,000,000
Mt-1 Terra Ceia Florida Forever Project/Terra Ceia Buffer Preserve/ Terra Ceia Aquatic Preserve	Land acquisition project acreage (remaining project acres): 3,084. Management for invasive species and restoration of coastal communities are priorities. Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife	Manatee	\$20,400,000
Ds-1 Lower Peace River Project	Proposal to acquire and preserve almost 10,000 acres of natural lands along the Peace River, including both floodplain and adjacent uplands. The project encompasses 30 miles of Peace River frontage, approximately 6 miles along Horse Creek, one of the river's major tributaries, and 2.3 miles of Joshua Creek, another significant tributary. Submitted by: Wildlands Conservation, Inc.	DeSoto	\$10,000,000
Le-1 Oyster Reef in Caloosahatchee River Estuary	Restore 5 acres of oyster reef and 5 acres of seagrass in the vicinity of the Intracoastal Waterway to ameliorate the effects of wakes from boat traffic and reclaim oysters lost to erratic Lake Okeechobee releases down the Caloosahatchee River. Submitted by: The Nature Conservancy	Lee	\$3,000,000
Le-2 Oyster Reef and Seagrass in Caloosahatchee Estuary and Estero Bay	Restore 18 miles of propeller scars in 1200 acres of seagrass beds; Restore/create 10 acres of oyster reefs; Examine the habitat use and status of seagrasses, oyster reefs and adjacent creeks by recreationally important fish (snook, red fish); Engage in adaptive management to manage water flows (and salinity) that will enhance and sustain oyster reefs and seagrasses in the Caloosahatchee Estuary and Estero Bay and thereby allow public officials to recognize and promote conservation; Engage the public in education and outreach on the value of oyster reefs, seagrasses and their role in enhancing the ecology and economy of SW Florida. Submitted by: The Nature Conservancy	Lee	\$4,000,000
Le-3 Oyster Reef and Seagrass in Charlotte Harbor, Tarpon Bay and Clam Bayou	Restore 1 acre of oyster reef and 1 acre of seagrass. Submitted by: The Nature Conservancy	Lee	\$750,000

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Le-4 Hydrologic Restoration in Sanibel and Captiva Islands in Charlotte Harbor	Reestablish altered land elevations to restore hydrology and native plant communities for colonial wading and migratory song birds. This work will be done within the 1,850 acres of land owned and managed by the Sanibel-Captiva Conservation Foundation. Submitted by: The Nature Conservancy	Lee	\$750,000
Le-5 Mangroves in "Ding" Darling National Wildlife Refuge	Restoration of mangroves along J.N. Wildlife Drive (Alligator Curve) by reintroducing tidal flushing. The refuge is part of the largest undeveloped mangrove ecosystem in the United States. Aerial imagery from 1944 shows a hydrologic connection of the "Alligator Curve" mangroves to Pine Island Sound. The construction of Wildlife Drive in the 1960s bisected this tidal creek and isolated 125 acres of mangrove wetlands from tidal flushing. The sub-basin is cut off from tidal activity on the north and south sides by upland ridges and to the east by a road that provides access to power lines which bisect Refuge property. A cross-dike separates the project area into 2 potential restoration efforts. The culvert on "Alligator Curve" will open water flow to approximately 50 acres, and installing one or more structures along the cross-dike will allow us to restore an additional 43 acres. Submitted by: The Nature Conservancy	Lee	\$500,000
Le-6 Pre-restoration monitoring and mapping	Pre-restoration monitoring of restoration projects and mapping of existing oyster reefs is necessary in order to determine the most appropriate place for restoration and the most appropriate methodologies. Submitted by: The Nature Conservancy	Lee	\$500,000
Le-7 Estero Bay Florida Forever Project/Estero Bay Buffer Preserve Estero Bay Aquatic Preserve	Land acquisition project acreage (remaining project acres) = 5,561 acres. Exotic species eradication activities are the primary restoration management regime projected within the pristine mangrove, salt marsh and flats with minimal if any restoration anticipated. Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife	Lee	\$36,150,000
Co-1 Rookery Bay Florida Forever Project/Rookery Bay Aquatic Preserve/Rookery Bay National Estuarine Research Reserve	Land acquisition project acreage(remaining project acres): 2,558. Remaining parcels are all adjacent to other conservation lands, connecting to Rookery Bay Estuarine Research Reserve, Rookery bay Aquatic preserve, and Lands will be managed as part of the Rookery Bay Buffer Preserve. Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife	Collier	\$38,800,000
Co-2 Restoration of Mangroves at Fruit Farm Creek Within the Rookery Bay National Estuarine Research Reserve, Collier County, Florida. Phase 1.	Phase 1 includes restoring approximately 250 acres of mangroves and 800 acres of estuarine mangrove habitat including tidal creeks. Conduct topographic and bathymetric surveys; and remove non-native vegetation. Submitted by: U.S. Fish and Wildlife Service, partnering with Coastal Resources Group, Inc., Rookery Bay National Estuarine Research Reserve, and The Conservancy of Southwest Florida.	Collier	\$124,395
Co-3 Fruit Farm Creek Mangrove Restoration (Includes project Co-2)	The goals of the project are to restore tidal flows, restore blocked tidal creeks, and plant mangroves. Submitted by: Mississippi-Alabama Sea Grant Consortium (on behalf of Coastal Resources Group, Inc.)	Collier	\$1,000,000
Co-4 Collier-Seminole Boat Basin	Acquire permit and perform dock replacement to include approximately 300 ft. of dock. Install ADA approved kayak/canoe launch, install floating dock attachment to enhance boaters accessibility to park and river. This dock will help provide access to the Blackwater River from Collier-Seminole State Park by enhancing boaters experience with improved docking facilities and allow better access to resource for Americans with disabilities by supplying an ADA kayak/canoe launch. Submitted by: Florida Department of Environmental Protection, Division of Recreation and Parks	Collier	\$250,000

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Co-5 Collier-Seminole State Park Aids to Navigation	<p>This project will replace existing old pilings and signs along the Blackwater River and estuary within the park. Additional pilings and signs will also be installed to improve navigation in areas where currently local knowledge is required. This project will improve the protection of wildlife and important habitat for several state and federally listed species, including manatees, wading birds, shorebirds, sea turtles, American crocodiles, and the smalltooth sawfish. In addition, marked slow speed zones, where the channel meanders and is narrow, will improve safety for recreational users that canoe, kayak, and boat on the park's waterways. This project will also protect the structural integrity of important shorelines where cultural sites exist by reducing wave energy and erosion from boat wakes through the use of slow speed zones. The additional signage is anticipated to decrease the number of recreational users that get disoriented and lost navigating the park's waterways.</p> <p>Submitted by: Collier-Seminole State Park</p>	Collier	\$15,000
Mn-1 Florida Keys Water Quality, Monroe County, FL	<p>Completion of the Florida Keys Wastewater Master Plan's remaining wastewater treatment systems to restore environmental quality and protect human health.</p> <p>Submitted by: The Nature Conservancy</p>	Monroe	\$172,000,000
Mn-2 Florida Keys Ecosystem Florida Forever Project/Florida Keys Wildlife and Environmental Area/Coupon Bight Aquatic Preserve/Lignumvitae Key Aquatic Preserve/Key Deer National Wildlife Refuge	<p>Land acquisition project acreage (remaining project acres): 6,244 acres, consisting of parcels on 17 different sites throughout the Keys. Restoration will include management of invasive species necessary throughout most of the project area.</p> <p>Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife</p>	Monroe	\$99,700,000
Mn-3 Sugarloaf Beach Ecological/Historical Conservation Project	<p>Land acquisition, Parcel acreage: 6.4. Some areas of the property are infested with exotic invasive species, but have been targeted for restoration. Recent hurricanes have created sand deposits or raised elevations, while other areas have been scarified. High priority property for restoration.</p> <p>Submitted by: Florida Fish and Wildlife Conservation Commission, on behalf of the National Wildlife Refuge Association and Defenders of Wildlife</p>	Monroe	\$2,500,000
Mn-4 Webster Wetlands	<p>Islamorada, Village of Islands proposes the acquisition and preservation of the Webster Wetlands, a 56.4-acre environmentally sensitive property on Lower Matecumbe Key comprised of two privately-owned parcels stretching approximately 2,400 linear feet from the Overseas Highway to the Florida Bay.</p> <p>Submitted by: Islamorada, Village of Islands</p>	Monroe	\$325,000
Mn-5 Johnson Tract/Sugarloaf Key	<p>The project proposes to acquire 100,000 acres, including more than 10 miles of shoreline within the Florida Keys. Protection of the Johnson Tract will help reduce development pressure in the Keys, prevent the negative impacts to water quality that would result from development, and allow the site to be managed for the survival of imperiled species.</p> <p>Submitted by: The Conservation Fund</p>	Monroe	\$3,000,000
Bd-1 Restoration of Threatened Staghorn Coral, <i>Acropora cervicornis</i> to a Historically Abundant Site	<p>Propose to restore corals to a near-shore coral reef in Broward County, FL. Four hundred small colonies (5 cm in length) of <i>Acropora cervicornis</i> will be produced and allowed to grow for approximately 4 months in the National Coral Reef Institute (NCRI) Land-based Coral Nursery, located at Nova Southeastern University Oceanographic Center in Dania, FL. Corals will be transplanted to at least one 1,000-m² (0.25 acre) reef site in Broward County, FL. Survivorship, growth, size, and condition of each transplanted coral will be monitored for one year.</p> <p>Submitted by: Nova Southeastern University</p>	Broward	\$125,043
Multiple-State Projects (MSP) that include Florida			

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MSP-1 Informed Restoration: Assessing the Uptake of Deepwater Horizon-Derived Heavy Metals and Organic Contaminants by Coastal Molluscan Species in the Gulf of Mexico	Proposal to monitor oysters (<i>Crassostrea virginica</i>), mussels (<i>Geukensia demissa</i>) and marsh periwinkle snails (<i>Littoraria irrorata</i>) for impacts of the spill by studying the shells and soft tissues of these three species for heavy metals and polycyclic aromatic hydrocarbons (PAHs). Also propose to examine predators of these three species to model the potential distribution of these components into the Gulf of Mexico ecosystem. Proposal to extend this work for the next two years. Submitted by: California Academy of Sciences	States: LA, AL, FL County/Parish: Jefferson, Mobile, Franklin	\$90,000
MSP-2 Deployment of VisNIR DRS for Rapid, On-Site Quantification of Total Petroleum Hydrocarbons	Propose to use visible near infrared diffuse reflectance spectroscopy (VisNIR DRS) to assess hydrocarbon levels. The non-destructive, proximal sensing technology uses visible and near infrared light to assess total petroleum hydrocarbons (TPH). Submitted by: Louisiana State University Agricultural Center	States: LA, FL, TX County/Parish: Lafourche, Walton, Pointe Coupee, Sabine, Cameron	\$405,154
MSP-3 Habitat Mapping for Improved Stock Assessments and Developing an Integrated Habitat Restoration approach for Marine Habitats	Habitat mapping will facilitate comparisons of species distributions and abundances across like habitats, allowing scientists to better stratify fishery-independent sampling by habitat type and improve the quality of information used to assess the health of fish populations. Submitted by: Ocean Conservancy	States: AL, FL, LA, MS, TX	Unknown
MSP-4 Increased Catch and Effort Reporting for the Gulf of Mexico's Marine Recreational Fishery Based on 1-Month Waves	Proposal to compensate the public for lost access to fishing grounds during the 2010 Deepwater Horizon BP oil spill by increasing sampling to one month survey reporting waves versus the current two month reporting waves of the Marine Recreational Fisheries Statistics Survey (MRFSS), which collects data to estimate total catch. Submitted by: Ocean Conservancy	States: AL, FL, LA, MS, TX	\$10,000,000
MSP-5 Saving the Gulf Coast One Bale at a Time	Propose to use locally grown hay and wheat straw to mitigate, prevent, and ultimately reverse coastal erosion. Submitted by: Gulf Coast Preservation and Reclamation, Inc.	States: AL, FL, LA, MS, TX	\$250,000
MSP-6 Five-Year Extension of the Enhanced MRFSS Charter For-Hire Telephone Survey	Tracking of charter for-hire (CFH) fishing effort in the Gulf of Mexico is derived from the MRFSS For-Hire telephone survey. Propose to extend the enhanced (weekly tracking) CFH telephone survey for another five years for vessels targeting reef fish species. Submitted by: Ocean Conservancy	States: AL, FL, LA, MS, TX	\$5,000,000
MSP-7 Gulf of Mexico Community-Based Restoration Partnership	A proposal for the Gulf of Mexico Foundation (GMF) to lead further development of the Gulf of Mexico Community-Based Restoration Partnership (GCRP), a regional multi-year partnership between the NOAA Community-Based Restoration Program (CRP), the EPA Gulf of Mexico Program Gulf Ecological Management Sites (GEMS) Program, and the GMF. Submitted by: Gulf of Mexico Foundation	States: AL, FL, LA, MS, TX	\$1,500,000
MSP-8 Restoring Finfish of Importance to the Northern Gulf of Mexico	Proposal to produce marine finfish species to help restore northern Gulf of Mexico coastal waters. The following juvenile marine finfish species can be produced by the aquaculture firm Aqua Green, LLC: red drum (<i>Sciaenops ocellatus</i>), spotted seatrout (<i>Cynoscion nebulosus</i>), cobia (<i>Rachycentron canadum</i>), southern flounder (<i>Paralichthys lethostigma</i>), Florida pompano (<i>Trachinotus carolinus</i>), and Atlantic croaker (<i>Micropogonias undulatus</i>). Submitted by: Aqua Green, LLC	States: LA, MS, AL, FL	\$5,000,000

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MSP-9 Coastal Land Acquisition in Alabama	Proposal for land acquisition and management in a consistent manner at several landscape-scale sites in coastal Alabama, including Perdido River, Fort Morgan Peninsula (Baldwin County), the Mobile Delta, and Grand Bay Savanna, Dauphin Island (Mobile County). Submitted by: The Nature Conservancy	States: AL, FL Counties: Baldwin, Mobile, Escambia	\$125,000,000
MSP-10 BioRestore®	Proposal to effectively "rescue" a small proportion of post-larval fish before predation, then rear and release them to boost marine ecosystem recovery. BioRestore simultaneously aims to monitor biodiversity losses, to mitigate impacts and help rebuild stock of local species. Submitted by: ECOCEAN	States: AL, FL, LA, MS, TX	\$300,000
MSP-11 Low-Cost, 10-km Range Oil Spill Sensor and Spread-Predictive Sensor Deployment	This project will establish a low-cost, remote oil spread monitoring system with a low-power, low-cost, weather-robust oil spill sensor with 10-km data transmission and corresponding sensor operation control software. The proposal also includes an oil spread boundary estimation model based on the analysis of data from oil spill sensors. Submitted by: University of Alabama	States: AL, FL, LA, MS, TX	\$350,000
MSP-12 Electronic Video Monitoring of Commercial Catch and Discards at Sea	Electronic video monitoring (EM) uses technology to better understand fishing-related impacts on the Gulf ecosystem. Data derived from EM will help scientists detect population-level changes (both initial declines and subsequent recovery) and will enable managers to make responsive decisions in the fishery. EM involves a system of onboard closed circuit video cameras, GPS, hydraulic pressure sensors, data storage and user interface designed for the commercial reef fish fishery, with approximately 40 commercial and federally permitted vessels. Submitted by: Ocean Conservancy	States: FL, LA, TX	\$741,960
MSP-13 Quantitative Fish and Habitat Assessment and Monitoring, Using Scientific Acoustics	The BioSonics DT-X Digital Scientific Echosounder system is a suite of tools for collection of acoustic data and analysis software for assessment of substrate and habitat characteristics - as well as fish abundance and distribution in deeper waters. BioSonics provides hardware, software, training, support, and technical services. Submitted by: BioSonics, Inc.	States: AL, FL, LA, MS, TX	\$30,000
MSP-14 Bioremediation of Estuaries and Oil Affected Intertidal Areas	Mitigation of polluted waters through filtration by mussel clusters. Submitted by: T/A Earth Creations	States: AL, FL, LA, MS, TX	Unknown
MSP-15 BP Deepwater Horizon Oil Spill Restoration Evaluation and Monitoring Program	A restoration evaluation and monitoring program is proposed to: 1) evaluate the effectiveness of early restoration projects; 2) track the recovery of specific injured natural resources or lost or reduced services; and 3) report to the public on the status of injured resources, lost services, and progress toward restoration. Each year NOAA and USFWS would serve as joint custodians of this program and produce a report on the results of restoration measures, recovery of injured species, and newly discovered injuries. Submitted by: Ocean Conservancy	States: AL, FL, LA, MS, TX	Unknown
MSP-16 Response and Recovery of the Periphyton in the Near-Shore Habitats of the Gulf of Mexico	The project proposes to sample seagrass leaves using standardized protocols, and create a database that identifies the organisms (images of species), physiological status, and community structure indices at key locations. This information will be collected across seasons to understand natural variability, and through time, to determine the impacts to the ecosystem. Submitted by: United States Geological Survey	States: AL, FL, LA, MS	\$850,000

Florida Potential Restoration Projects (List 1)
Natural Resource Damage Assessment
Updated 1/13/14

Project	Description	County	Estimated Cost
MSP-17 Headwaters Coastal Forest Protection - Baldwin County, AL & Escambia/Santa Rosa Counties, FL	<p>Protection of approximately 100,000 acres of working forested lands in the Mobile Bay/Perdido/ Pensacola Bay Basins. The acquisition of a working forest easement over these lands would permanently protect the integrity of each of the respective estuarine systems through permanent protection of the water quality and avoidance of further sedimentation through land fragmentation and conversion. The protection from further fragmentation of this land base will ensure long-term timber management, which will continue to provide jobs for the region.</p> <p>Submitted by: The Conservation Fund</p>	States: AL, FL Counties: Baldwin, Escambia	Unknown
MSP-18 GOM Marine Sanctuaries	<p>Funds and Trustee influence should be used to promote the legislative effort to expand the marine sanctuaries in the GOM to cover all the natural reef systems as well as the bridging artificial reefs. Protecting this important habitat may help to offset some of the fisheries impacts of the oil spill.</p> <p>Submitted by: University of Houston Clear Lake</p>	States: AL, FL, LA, MS, TX	Unknown
MSP-19 Integrated Approach to Wetland Damage Assessment, Vegetation Monitoring, and Restoration Tracking in the Gulf of Mexico	<p>A unified systematic approach using airborne remote sensing coupled with land-based restoration technologies is proposed to be implemented to 1) efficiently identify the extent of impacted wetlands, 2) effectively guide the restoration process from planning to completion, and 3) provide a calibrated measurement of the effectiveness of the restoration efforts over the long-term. 2000 sq km of VNIR/SWIR baseline imagery has been collected from the following NWR areas: Delta NWR, St. Marks NWR, Lower Suwannee NWR, Cedar Key NWR, Crystal River NWR, and Chassahowitzka NWR.</p> <p>Submitted by: SpectIR, LLC</p>	States: AL, FL, LA, MS	\$3,000,000
MSP-20 Deployment of New Turtle Excluder Devices in Shrimp Fisheries	<p>The full deployment of new turtle excluder devices (TEDs) on all shrimp vessels required to use TEDs would reduce sea turtle injury and mortality, increase the effectiveness of public and private efforts to protect and restore threatened and endangered sea turtles, and contribute to the mitigation of the adverse impacts of the spill and clean-up activities on these species.</p> <p>Submitted by: Southern Shrimp Alliance, partnering with the National Oceanic and Atmospheric Administration (NOAA)</p>	States: AL, FL, GA, LA, MS, NC, SC, TX	\$10,800,000
MSP-21 Gulf of Mexico Hatchery and Fisheries Restoration Consortium	<p>Marine aquaculture of key species can be employed to restore fisheries through restocking and to restore economic vitality through technology transfer and stimulation of small businesses resulting in job creation. The Consortium will direct its efforts toward estuarine, inshore, nearshore and offshore fish species including migratory species found in the Gulf of Mexico.</p> <p>Submitted by: Gulf Coast Research Laboratory/ University of Southern Mississippi, partnering with University of Texas Marine Science Institute (UTMSI), Louisiana University Marine Consortium (LUMCON), Auburn University (AU), Mote Marine Laboratory (MML), University of Maryland-Baltimore (UMB)</p>	States: AL, FL, LA, MD, MS, TX	\$60,000,000
MSP-22 Continued Shrimp Fishing Effort Data Collection Through the Use of an Electronic Logbook System in the Gulf of Mexico	<p>Complement an electronic logbook (ELB) study with onboard observers to collect data on fishing effort, red snapper bycatch, and shrimp landings within the Gulf of Mexico.</p> <p>Submitted by: Gulf and South Atlantic Fisheries Foundation, Inc.</p>	States: AL, FL, LA, MS, TX	\$500,000
MSP-23 Introduction and Evaluation of New Designs of Propellers and Nozzles in the Gulf Shrimp Fishery for Enhanced Efficiency and Fuel Economy	<p>The scope of this project will involve rigging out several collaborating vessels throughout the Gulf of Mexico with new designs of propellers and nozzles. Evaluations of fuel savings potential during actual fishing conditions will be performed using fuel flow meters. The results of this project will be shared with the fishing industry throughout the Gulf through printed reports, local workshops, and through direct contact with the industry.</p> <p>Submitted by: Gulf and South Atlantic Fisheries Foundation, Inc.</p>	States: AL, FL, LA, MS, TX	\$750,000

Florida Potential Restoration Projects (List 1)
Natural Resource Damage Assessment
Updated 1/13/14

Project	Description	County	Estimated Cost
MSP-24 Development and Distribution of Gear Technology to Improve Fuel Economy and Reduce Bycatch in the Gulf Shrimp Fishery	<p>Proposal to conduct a series of experiments aimed at documenting the fuel savings achieved by cambered trawl doors and continue to improve the bycatch reduction capability already in use in the fishery.</p> <p>Submitted by: Gulf and South Atlantic Fisheries Foundation, Inc.</p>	States: AL, FL, LA, MS, TX	\$1,500,000
MSP-25 A Comprehensive Program for Re-establishing or Re-connecting Beach Mouse Populations in Habitats Injured or Isolated by Oil Spill Response in Coastal Florida and Alabama	<p>This project seeks funding to enhance affected beach mouse habitat by implementing a coordinated and comprehensive management program over five years. Management actions will include: 1) Identifying suitable areas of dune habitat that have been isolated by recent storms, development, lighting, or restoration activities, 2) Restoring dune vegetation within and between isolated habitat, 3) Reintroducing mice where needed to repopulate isolated areas or to revitalize the genetic diversity of isolated populations, and 4) Assessing and monitoring beach mouse populations to identify vacant habitat, assess genetic diversity across populations, and evaluate populations suitable for collecting mice for reintroductions.</p> <p>Florida Fish and Wildlife Conservation Commission, U.S. Department of Interior, National Park Service, U.S. Department of Defense, Florida Park Service, Alabama Department of Conservation and Natural Resources. Project partners: Florida Department of Environmental Protection; USDA Wildlife Services; local governments and various private landowners.</p>	Florida: Escambia, Santa Rosa, Okaloosa, Walton, Bay, Gulf; Alabama: Baldwin	TBD

Total 344 Projects

\$3,139,543,273