

**Bay County RESTORE Act Direct Component
Pre-proposals November 4, 2014**

Proj #	Project Name	Proj Proposer & Affiliation	Project Description	Amount requested	Describe what funds will be used for
Bay PRP 2014 - 001	Restoring Bay County's Recreational Fishing Industry through Artificial Reef Construction and Monitoring	Allen Golden, P.E. Bay County BOCC Planning and Zoning Division	A series of artificial reefs will be constructed of secondary use materials that are stable and durable, lasting at least 30 years. Reef construction materials were donated to Bay County and will be used to create essential fish habitat benefiting fishing, diving, and other tourism businesses. Reefs will be located in state waters approximately 3nm miles off the MB Miller County Pier and off Panama City Beach's Russell-Fields Pier. Near-shore reef locations also provide fuel and time savings.	370,150	Pre-Deployment Permitting and Siting; Reef Material Deployment; One Year Post-Deployment Monitoring and Evaluation; Final Report and Website Development for Public
Bay PRP 2014 - 002	reclaimed water usage in Gulf Highlands Beach Resort (GHBR)	James a Beene GHBR Home Owner's Association	Current reclaimed water program curtails at RL Jackson Blvd. Desired project would extend the limits of such usage to Churchwell Beach Rd to include GHBR and possibly the Glades sub-division	230,000	Installation of pipe to allow for reclamation of waste water for conversion to reclaimed water within the defined area
Bay PRP 2014 - 003	Mexico Beach - Beach Restoration Feasibility Study	Kimberly Shoaf Mexico Beach Community Development Council	The 2.0-mile Mexico Beach shoreline has been eroding and is threatening upland structures and infrastructure. The first step in a process to successfully manage the shoreline is the proposed feasibility study, which will include a historic analysis and will conclude with a beach restoration strategy and plan. The shoreline has already been deemed "critically eroded" by the Florida DEP, and their recommendation is to conduct a "feasibility study to determine management options."	135,000	Funds will be used to conduct a feasibility study, including a beach survey, for beach restoration along the 2.0 mile Mexico Beach shoreline. The feasibility study will include shoreline and sediment budget analysis, desktop borrow area analysis, alternatives and preliminary beach restoration plan.
Bay PRP 2014 - 004	North Bay Wastewater Collection System Improvements	Paul Lackemacher Bay County Board of County Commissioners	To place septic tanks in low lying, dense residential coastal area on centralized municipal wastewater collection and transmission system. Aged septic tanks fail to meet current health requirements. This component removes 220 septic tanks (0.055 MGD). At build out, the goal is to convert over 4,000 existing septic tanks (1 MGD) to the municipal wastewater system in the foreseeable future.	1,500,000	The construction necessary to install infrastructure that will enable the removal or abandonment of approximately 220 septic tanks.

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Bay PRP 2014-005 Revised 10/17	County Road 388 Force Main	Paul Lackemacher Bay County Board of County Commissioners	To decommission the River Camps package plant and divert flow (0.072 MGD) to the NB Wastewater Treatment Plant. Expanding capacity at the River Camps package plant in the impaired West Bay area would have a greater environmental impact on resources than diverting flow to an already constructed North Bay Wastewater Treatment Facility that has available capacity and the current ability to delivery reuse quality water that the River Camp's plant does not.	1,200,000	Install the necessary infrastructure to divert flow (0.072 MGD) to the Class 1 reliability NB Wastewater Treatment Plant and decommission the River Camps package plant.
Bay PRP 2014-006	Bettering Bay through Environmental Science and Policy: Postsecondary partnership between Gulf Coast State College and Florida State University Panama City	Ginger Littleton FSU employee	Both Gulf Coast State College and Florida State University Panama City will develop a plan of study that leads to either a Certificate in Environmental Science: Policy Option or to a Minor in Environmental Science and Policy. These courses of study will specifically focus on environmental and policy challenges to Bay County. Courses will include foundational content as well as environmental/economic and oceanographic study.	234,600	Funding will include Instructors for the content-specific courses and laboratories required for this program as well as equipment required for analysis and research within the program.
Bay PRP 2014-007	Dirt Road Stabilization - Southport Phase I	Ken Schnell BOCC	Due to the numerous number of existing county maintained dirt roads, 3.3 miles of roads have been prioritized as Phase I and are those that are surrounded by North Bay and directly discharge to the bay. It is proposed to stabilize these existing dirt roads with hot mix asphalt and to create or modify the existing shoulder and drainage system. The roadside shoulders and drainage systems shall be sized to reduce erosion and shall be stabilized using sod, seeding and mulching.	1,700,000	The requested funds will be used to fund the project construction cost.
Bay PRP 2014 - 008	Panama City Beach Sports Village - Phase 1: The Sporting Grounds (Rectangular Athletic Fields)	Dan Rowe Bay County Tourist Development Council	The Sporting Grounds will expand existing athletic facilities by adding eight (8) rectangular fields large enough to accommodate regulation-sized soccer fields. One (1) field will be upgraded to a Championship Field with expanded seating and other amenities suitable for tournament championships and other marquee games. This is a stand-alone phase of the larger Panama City Beach Sports Village Project.	2,000,000	Funds will be used to construct one (1) artificial turf field and seven (7) grass fields, along with appropriate support infrastructure: seating, press box, restrooms, concession area, interior roadways and parking facilities. One of the fields will be developed as a "Championship" field.

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Bay PRP 2014-009	Panama City Beach Sports Village - Phase 2A: The Sporting Grounds (Softball)	Dan Rowe Bay County Tourist Development Council	The Sporting Grounds project will expand existing athletic facilities by adding five (5) softball fields with artificial turf infields and outfields. One (1) field will be upgraded to a Championship Field with expanded seating and other amenities suitable for tournament championships and other marquee games. This is a stand-alone phase of the larger Panama City Beach Sports Village Project.	2,000,000	Funds will be used to construct five (5) softball fields and appropriate support infrastructure: seating, dugouts, press box/scouting tower, restrooms, concession area, interior roadways and parking facilities. One (1) field will be developed as a "Championship" field.
Bay PRP 2014-010	Panama City Beach Sports Village - Phase 2B: The Sporting Grounds (Baseball)	Dan Rowe Bay County Tourist Development Council	The Sporting Grounds project will expand existing athletic facilities by adding five (5) baseball fields with artificial turf infields and outfields. One (1) field will be upgraded to a Championship Field with expanded seating and other amenities suitable for tournament championships and other marquee games. This is a stand-alone phase of the larger Panama City Beach Sports Village Project.	2,000,000	Funds will be used to construct five (5) baseball fields and appropriate support infrastructure: seating, dugouts, press box/scouting tower, restrooms, concession area, interior roadways and parking facilities. One (1) field will be developed as a "Championship" field.
Bay PRP 2014-011	City of Panama City Beach and Bay County Continuous Outfall Sediment Reduction Projects	Kelly Jenkins, P.E. City of Panama City Beach and Bay County	The purpose of this project is to restore, replace and enhance 15 continuous outfalls on Panama City Beach and Bay County. The project will include installation of baffle boxes at each of the locations. This will reduce sediment, debris, oil and nutrients discharging into the Gulf. The objective is to reduce sediment and debris discharge by 30 tons annually at each location and preserve and protect fish and marine life. This will also reduce bacteria levels for swimmers in the near shore area.	1,100,000	The requested funds will be used to survey, design, and permit the outfall improvements at each of the 15 locations through the DEP and ACOE. In addition, the funds will be used to complete the construction plans for bidding out the projects as a group or in phases as funding may allocated.

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Bay PRP 2014- 012	Construction of the Historic Starliner Wooden Coaster	Jenny & Teddy Meeks Miracle Strip Amusement Park	Rebuild the historic Starliner Wooden Coaster in its original home of PCB. Promote the coaster to both a national and international audience as well as complete ancillary items to the project not funded (landscaping, lighting, signage, restrooms, loading station).	437,000	Funds will be used to complete ancillary items to the project not funded by the construction loan: landscaping, lighting, signage, restrooms, enlarge storm water ponds, drainage and safety fencing. Also to promote the coaster to both US and international tourists.
Bay PRP 2014- 013	Oyster Reef Habitat Restoration in the Saint Andrew Bay	Katie Konchar Florida Fish and Wildlife Conservation Commission	We propose an oyster reef restoration project in West Bay, where seagrass loss has been greatest within St. Andrew Bay. Oysters function in similar ecological and structural capacities as seagrass meadows. The placement of subtidal oyster reefs along the deep edge of historic seagrass beds will increase the oyster population, attenuate wave energy, improve water quality, reduce turbidity and erosion, enhance fisheries habitat, and create conditions more suitable for seagrass recolonization.	1,475,000	Requested funds will be used for project engineering, barge rental and operation, water quality monitoring, vehicle and vessel maintenance, materials, equipment and supplies including oyster shell, coir fiber matting, and education and outreach supplies, and travel costs for the project manager.
Bay PRP 2014- 014	Mexico Beach Pier Improvements	Al Cathey City of Mexico Beach, FL	This project involves the demolition of the existing pier and the construction of a new pier. The new features will provide a wider pier with a larger fishing platform at the end of the pier. The project may include an intermittent platform at the appropriate point.	2,400,000	The requested funds will be used for the demolition of the existing pier and the construction of a new pier.
Bay PRP 2014- 015	Mexico Beach Marina Improvements Phase II	Al Cathey City of Mexico Beach, FL	The Mexico Beach Marina Improvements project is a fully engineered design and is ready for construction. The project will consist of seawall and bulkhead replacement, boarding docks, finger piers, additional and improved parking areas, and utility updates to water, power, lighting, and fish cleaning facilities. This project protects and restores the public's right to the use and enjoyment of the Gulf's natural resources by providing and restoring access.	1,131,279	The requested funds will be used for the new bulkhead, new boarding docks, finger piers, additional and improved parking, as well as utility updates to water, power, lighting, and fish cleaning areas. The funds will also be used for construction and engineering costs.

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Bay PRP 2014-016	Bay County Master Plan and Capital Improvement Strategic Plan Update	Ken Schnell BOCC	The Stormwater Master Plan and Stormwater Strategic Plan will update the previous plans done early in 1990. The plans will identify strategies for reducing adverse environmental impacts from stormwater runoff within the County. The master plan will serve as a tool for integrated planning and implementation process which will address 3 primary goals. Protection of County's surface waters from water quality degradation, protection of potable water supply and protection from severe flooding.	300,000	The requested funds will be used for the updating of the County's Stormwater Master Plan and Strategic Plan for Stormwater System.
Bay PRP 2014-017	AMIkids Panama City Marine Institute Dock Repair	Ron Boyce AMIkids Panama City Marine Institute	Renovation of the plumbing, electrical, mechanical and structural components of the PCMI dock. The dock is used for storing boats which are used for community environmental service projects and recreational access to St. Andrews Bay and surrounding waters.	250,000	Replace pilings, stringers and deck boards. Replace two boat lifts. Replace and upgrade electrical system. Replace plumbing. Replace deck hardware. Replace Dock storage locker, security gate and entrance gazebo. Add security system.
Bay PRP 2014-018	Construction of SR 79/Front Beach Road Segment 3 Redevelopment Project	Mario Gisbert City of Panama City Beach	The SR 79/Front Beach Road Segment 3 Redevelopment Project consists of reconstruction of approximately .62 miles of SR 79 and .60 miles of Front Beach Road to provide for the addition of dedicated transit lanes as well as sidewalks, bicycle lanes, landscape, street-scape, relocation of all aerial utilities to underground and a drainage system that catches and treats all stormwater runoff to the most current standard of quality, eliminating beach erosion and any water contamination.	3,000,000	The requested funds will be used for right-of-way acquisition and stormwater drainage improvements.
Bay PRP 2014-019	Construction of Front Beach Road Segment 2 Redevelopment Project	Mario Gisbert City of Panama City Beach	The Front Beach Road Segment 2 Redevelopment Project consists of reconstruction of approximately 1.1 miles of Front Beach Road to provide for the addition of dedicated transit lanes as well as sidewalks, bicycle lanes, landscape, street-scape, relocation of all aerial utilities to underground and a drainage system that catches and treats all stormwater runoff to the most current standard of quality, eliminating beach erosion and any water contamination.	3,000,000	The requested fund is 50% of the stormwater drainage system and utilities conversion. The PD&E Study, Final Design and right-of-way acquisition phases of the project were fully funded by the CRA funds.

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Bay PRP 2014-020	Construction of Powell Adams Road Segment 2 Redevelopment Project	Mario Gisbert City of Panama City Beach	The Powell Adams Road Segment 2 Redevelopment Project consists of reconstruction of approximately .31 miles of Powell Adams Road to provide for the addition of sidewalks, bicycle lanes, streetlights, landscape, street-scape, relocation of all aerial utilities to underground and a drainage system that catches and treats all stormwater runoff to the most current standard of quality, eliminating beach erosion and any water contamination.	2,500,000	The requested funds will be used for stormwater drainage improvements and undergrounding the utilities. The project final design & right-of-way acquisition are complete.
Bay PRP 2014-021	The Board Walk at Lake Town Wharf	Floyd Miller Top Producer Realty	230 acre Gulf front Amusement Park, Aquarium, Resort, Shops and Eateries. The Ceder Point of the South the biggest tourist idea in Florida since Disney. Looking for funds to produce feasibility study, business plan, modeling and graphic art work.	380,000	Feasibility study, Business plan, presentation modeling and graphic work, This is first step that will attract investors and is needed for bank loans and guaranteed federal, state loans
Bay PRP 2014-022	Bay County East Pass Project Design and Permitting	Ken Schnell BOCC	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. Creating additional sand dunes with the spoil material to enhance habitat for the Choctawhatchee Beach Mouse and the create a barrier making it more difficult for predators to reach the mice on Shell Island. The additional beach will also enhance nesting habitat for endangered sea turtles and will make ideal habitat for the piping prover.	1,000,000	The requested funds will be used for an environmental impact statement and inlet management plan which are required before design and permitting can begin in accordance with recommendation from the Army Corps of Engineers.
Bay PRP 2014-023	Laguna Beach Sanitary Sewer Project	Albert E Shortt City of Panama City Beach	The project is to provide sanitary sewer service in older beach communities that predate the City municipal sewer system. In excess of 1,000 residential lots are within the Laguna Beach Sanitary Sewer project service area and homes are currently relying on septic tanks for sewer disposal. The area lies within a stormwater drainage basin that flows to dune lakes north of Front Beach Road (FBR), ultimately crossing FBR via drain pipes to the gulf beaches.	1,500,000	1. Perform surveys, engineering design for the entire project, 2. Acquire land for three sewer pump stations, 3. Construct the pump stations with sewer force mains to connect to PCB sewer system, 4. Construct primary sewer trunk lines for future extension to serve all residential lots in the area.

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Bay PRP 2014-024	Comprehensive Water Quality (Using Existing EPA Models) and Ecological Assessment Tool for Bay County's Estuarine and Nearshore Gulf Waters	Jan Mandrup-Poulsen Dynamic Solutions, LLC	The proposed Comprehensive Aquatic Systems Model will assist Bay County in its decision-making process when selecting and prioritizing watershed restoration projects funded under the RESTORE Act by allowing prospective impact assessments to be conducted. This tool will aid in the comprehensive, coordinated management of the watershed to restore, preserve and protect resources in a manner consistent with the goals of the St Andrew Bay SWIM Plan and the County's multi-year implementation plan.	380,566	Will support DS staff tasked to gather, assess, and format site-specific existing water quality, hydrodynamic, meteorologic, and ecological (species-specific flora and fauna) data and information for Bay County waters, to calibrate/validate model, and provide technology transfer to Bay County staff.
Bay PRP 2014-025	Comprehensive Water Quality (with Updated EPA Models) and Ecological Assessment Tool for Bay County's Estuarine and Nearshore Gulf Waters	Jan Mandrup-Poulsen Dynamic Solutions, LLC	The proposed Water Quality and Ecological models will assist Bay County in its decision-making process when selecting and prioritizing watershed restoration projects funded under the RESTORE Act by allowing prospective impact assessments to be conducted. This tool will aid in the comprehensive, coordinated management of the watershed to restore, preserve and protect resources in a manner consistent with the goals of the St Andrew Bay SWIM Plan and the County's multi-year implementation plan.	448,420	Will support DS staff tasked to update existing water quality/hydrodynamic models and gather ecological (species-specific flora and fauna) data and information for Bay County waters, to calibrate/validate models, and provide technology transfer to Bay County staff.
Bay PRP 2014-026	Bay Technology Initiative	Neal Wade / Tom Neubauer Bay EDA / Bay Defense Alliance	Project will expand high speed data infrastructure to Bay County by installing conduit/fiber and hardware, which will result in economical, ultra high speed broadband connection that will enhance economic development while benefiting Bay County's military installations, education, healthcare and local governments. A final report for the project, as well as final plan and permitting from Bruce, Florida to Bay County users such as NSA PC, GCSC, FSUPC and Bay District Schools is complete.	1,000,000	Funds will be used in order to procure a contractor, complete construction as well as purchase hardware required for connections, as well as administration for the of first phase of construction along with final plan and permitting for future connectivity.
Bay PRP 2014-027	Gulf World Marine Institute Marine Animal Stranding, Rehabilitation and Necropsy Facility	Ron Hardy, Gulf World Marine Institute, Inc. 501(c) 3 organization/ Gulf World Marine Park, Inc	Construction of a new facility to enhance and expand existing response and rehabilitation capabilities and new public education and research programs for stranded marine animals (turtles and mammals) and other marine life in Bay County and the eastern Gulf of Mexico.	750,000	100% dedicated to construction of new Rescue Facility. Over \$1.6 million already received for equipment, supplies, land and some staffing. Remainder will be provided by other grants, including potential RESTORE, and private funding opportunities.

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Bay PRP 2014-028	Porter Park Improvements 2014	City of Lynn Haven Panhandle Engineering, Inc, Chris Forehand, PE,VP	The project consists of making improvements to Porter Park in Lynn Haven, FL. The planned improvements are to replace the boat ramps with correct slope ramps, extend the existing docks for boat staging, repair the existing dilapidated seawall to prevent erosion into North Bay, dredge the boat channel, add boat trailer parking, sidewalks for exercising, a 30'x60' event pavilion, community grill, additional parking with handicapped spaces, and a larger playground with lighting.	450,000	The requested funds will be used to replace the existing seawall and boat ramps with staging docks with boat trailer parking. Provide additional shelter, restroom facilities, benches, etc.
Bay PRP 2014-029	Advanced Coastal Safety Marine Wildlife Warning System: a Pilot Program to place 3 to 5 Advanced Coastal Safety Marine Wildlife Warning Systems at key locations along Bay County Coastline; examples City Pier, County Pier, and high use beach areas.	CBF Consulting Engineers, LLC Chris Forehand	Project includes the installation of the Advanced Coastal Safety Marine Wildlife Warning System. System is designed to Alert, Inform, and Direct (AID) the public and enhance the current Flag Warning System along Bay County Beaches. The system will provide state of the art tools to notify the public of changes in weather, surf, wildlife, and emergency conditions. Additionally, it provides the ability to make Public Announcements and the capability to observe the environment around each system.	475,000	Funds will be for a Pilot Project to install 3 to 5 ALA systems consisting of Pole, speaker, lights, camera, weather sensor, lightning detection system, emergency alert button, and control center (designated location of operator controls for system) equipment.
Bay PRP 2014-030	Sea Turtle Nesting and Beach Driving in Northwest Florida	Kennard Watson St Andrew Bay Resource Management Association	Primary objective is to assess the extent of beach driving on Panama City Beach during the sea turtle nesting season, and compare the data with the relatively undisturbed beaches at Tyndall AFB. Secondary objective is to assess the amount of recreational equipment left on the beach at night during the nesting season, and how this may negatively affect sea turtle reproduction and survival.	80,000	Observe vehicular activity at different locations and time periods, including daytime and nighttime, count the number, type and GPS location of recreational beach equipment left on the beach overnight, identify and survey the major user groups, use data to recommend new procedures.

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Bay PRP 2014- 031	Marine Turtle Protection in Bay County, FL	Kennard Watson St Andrew Bay Resource Management Association	The project will educate the public about sea turtles and improve sea turtle nesting habitat by reducing harmful effects of artificial lighting on Panama City Beach. The lighting improvements will focus on residential and street lighting, identified as the most important contributors to loggerhead hatchling disorientation incidents during the 2014 nesting season. The project also will educate beachfront property owners, tourists, and local agencies about the need to protect sea turtles.	130,000	Funds will be used for for up to three street lighting demonstration projects, residential lighting projects (condos and single family), educational material for distribution to beachfront property owners, and a PSA on the lighting ordinance for local TV.
Bay PRP 2014- 032	St. Michaels Landing	Greg Chelius The Trust for Public Land	The preservation of the 220 acre St. Michaels Landing project will provide a buffer to Tyndall Air Force Base thus protecting the \$618 million of economic impact to Bay County, enhance ecotourism and protect the natural environment of the Gulf of Mexico.	4,500,000	Acquisition of the property.
Bay PRP 2014- 033	Mid City Storm Water Project	Candis Harbison Bay County Conservancy, Inc.	Add 2.2 acres to existing 6.5 acre preserve and restore entire parcel to handle stormwater runoff from heavily travelled Highway 231 and Mall, and surrounding area. Wetland areas will allow US Fish & Wildlife to evaluate use for species of special concern. Allowing runoff to percolate cleans the water before it reaches the bay and restores the aquifer. After restoration, the parcel will handle enough additional runoff to prevent flooding in the area.	350,000	Purchase 2.2 acres zoned commercial on Highway 231 and 19th Street. Price is \$325,000 or appraised value, whichever is less. Remainder used to remove exotics, divert water onto property and reintroduce crayfish if possible.
Bay PRP 2014- 034	East Bay Piney Point	Trey Evans Mitigation Resource Group, LLC	Public access to East Bay and coastal restoration. The East Bay Piney Point project is 196.5 acres of wetland and upland flatwoods, and salt marsh, adjacent to seagrasses located in St. Andrew's / East Bay, Bay County, FL. The project will preserve the living shoreline of seagrass and saltmarsh through removal of permitted development rights on the property, implementation of a protective conservation easement, and restoration of onsite native communities.	2,000,000	Acquisition of 196.5 acres of land, initial prescribed burning and mechanical reduction of woody vegetation, long term funding mechanism, light boat launch (kayaks, canoes), passive recreational facilities, signage and education.

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Bay PRP 2014- 035	St. Andrew Bay Water Quality Report Card	Linda Fitzhugh St. Andrew Bay Resource Management Assoc.	The St. Andrew Bay Resource Management Association proposes to create a report card for St. Andrew Bay. This report card would feature a water quality analysis of the bay similar to those completed for Chesapeake Bay. Information would be distributed to community leaders and it would be placed online for the public to see. Information would also be disseminated to officials from the NFWFMD, FDEP, FWCC, NOAA, USACE, and USFWS.	60,000	Funds will be used to hire a data manager to run the analysis. Funds will also be used to send samples for analysis, to purchase chemicals and boat gas, and to create a report card that can be disseminated to the public. The report card will also be placed on RMA's website.
Bay PRP 2014- 036	Shoreline mapping of St. Andrew Bay - how resilient are we?	Linda Fitzhugh St. Andrew Bay Resource Management Assoc.	Scientists and volunteers will map the shoreline of St. Andrew Bay to determine the percentage of shoreline that is eroded, bulkheaded, or vegetated. Teams will collect data by traveling within the bay by boat and using a drone to collect video. Teams will then ground truth the data to ensure its accuracy. Still photos and video will be taken of eroded shorelines. Features will be geo-referenced using GPS technology. Maps will be created that show eroded, vegetated, and bulkheaded shorelines.	200,000	Funds will be used to hire people to map the shoreline, ground truth the data, and create a geo-referenced map. Information on the miles of eroded, bulkheaded, and vegetated shoreline will be placed on a website for community leaders and citizens to view.
Bay PRP 2014- 037	Project CAWS (Children as Watershed Stewards) Endowment	Linda Macbeth Science and Discovery Center of NW FL, Inc.	We propose to create an endowment for environmental education in Bay County for school aged children, especially as it pertains to the St. Andrew Bay Watershed. There is a critical ongoing need for effective, meaningful environmental education to combat the lack of knowledge about the geology and hydrology of our watershed and the creatures within.	1,000,000	The Children as Watershed Stewards Endowment will provide an ongoing source of funding to provide meaningful watershed educational experiences and training to Bay County students and their teachers and families.

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Bay PRP 2014-038	RESTORE Jobs	Dr. John R. Holdnak Gulf Coast State College	RESTORE Jobs will create a 3D-modeling and manufacturing certificate program empowering Gulf Coast technology students, craftsman and employers to fabricate architectural and structural components in wood composites. RESTORE Jobs will provide trainees with the creative and fabrication technology skills necessary to respond to growing demands for custom and standard wood products, through the use of multi-axis, computer-controlled routers for manufacturing.	400,000	RESTORE Jobs funding will be utilized to acquire necessary 3D computer modeling software, and 3D fabrication/manufacturing equipment (e.g., multi-axis computer controlled router and related tooling).
Bay PRP 2014-039	Seagrass Restoration and WQ Management in Grand Lagoon Estuary	John Dougherty Gannett Fleming, Inc.	Phase 1- Engineering Design & Environmental Permitting to construct and operate a seawater intake/pump station to improve and manage lagoon water quality to support seagrass recovery for restoration of the Grand Lagoon and improve ecosystem and economic resiliency.	1,800,000	Planning, site selection, engineering design, cost estimation, preparation of bid documents and permitting.
Bay PRP 2014-040	Identifying the cause of beach swimming advisories in Bay County	Patrice Couch St. Andrew Bay Resource Management Assoc.	The St. Andrew Bay Resource Management Association (RMA) would like to identify why beaches in Bay County have frequent swimming advisories due to elevated fecal bacteria. RMA would like to conduct a study to identify the source of the bacteria at sites that have the most advisories. The results of the study would be disseminated to community leaders and the public to make informed decisions about how to correct the problem and reduce the number of advisories.	200,000	Funds will be used to hire a project manager to collect and analyze water samples for bacteria. Funds will be used to perform a stable isotope study to determine if the bacteria are associated with wastes from animals or humans. A report detailing the results of the study will be provided.
Bay PRP 2014-041	Carl Gray Park Boat Ramp	Chris Forehand Panhandle Engineering, Inc.	The project consists of making improvements to the existing boat ramp. The planned improvements are to replace the boat ramp with the correct slope boat ramp. Install docks for boat staging and dredge the area at the ramp to remove sedimentation from the stormwater discharge pipe. The project will include a mitigation effort to install a stormwater basin to filter runoff and prevent future damage to St. Andrews Bay.	500,000	The requested funds will be used to replace the existing boat ramp with staging docks, dredge the ramp loading area, and to construct a stormwater pond to prevent future erosion into St. Andrews Bay.

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Bay PRP 2014- 042	Restoration of St. Andrew Bay Submerged Grassbeds	BEST Inc./Friends of St. Andrew Bay 501(c)3 not-for-profit organization	Restoration of St. Andrew Bay submerged grassbeds relating to existing and extensive, outboard motor propeller (prop) scarring of the Bay's submerged grassbeds. Project will entail restoration of approximately eight (8) acres of submerged grassbeds.	250,000	Purchase and contract out submerged grassbed restoration with grass plugs that will fill in the prop-scarred channels lying along the submerged bottom of the described area. The grass plugs will fill in the long, prop-scarred channels and will promote stabilization of the grassbeds.
Bay PRP 2014- 043	Port Adventure	Linda Macbeth Science and Discovery Center of NW FL, Inc.	Port Adventure would be a series of interactive exhibits for school-age children showcasing Port Panama City and its partners as well as other high-tech industries in Bay County. Experiences will be highly engaging for children and adults.	250,000	Funds will be used to create the interior and exterior exhibits summarized above. We hope to have the opportunity to share photographs of similar exhibits and to further discuss the merits of this proposal.
Bay PRP 2014- 044	Economic analysis for project prioritization, water quality and habitat	Mark Buckley ECONorthwest	We propose an economic comparison and evaluation of the available approaches to water quality and habitat needs for Bay County, to identify those that can provide the highest, broadest, and longest-lasting suite of benefits to residents and visitors impacting the local economy. A 2009 study provides extensive biophysical and engineering data as a starting point to consider the needs and options, expanding to consider green infrastructure, low-impact development, and ecosystem services.	40,000	Research, meetings, communication, outreach, and reporting

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Bay PRP 2014-045	Continued Development of FL Sea Grant's Web-Based Emerald Coast Anchorage Guide - Bay County for Boaters as Safe Harbors and Destinations	William (Bill) T. Mahan Jr. UF IFAS Bay County Extension Program	Area boaters depend on a transportation network comparable in many ways to a road system that services land-based vehicular traffic. The most obvious components are the interconnected navigation channels found in Bay County coastal waters and its interior waterways, that serve as a "road" network for boaters. Anchorages - often called the parking lots of the waterway transportation infrastructure – are an important component of the transportation network serving multiple purposes.	25,000	To partner with FSU/PC for boat time, equipment and boat personnel to survey 75 anchorage sites in Bay County. Contract with Website designer (http://www.dacingtree.com/index.php) to update and add new data layers to existing FL Sea Grant Webpage they designed. 10% administrative management costs.
Bay PRP 2014-046	Fostering Business and Economic Growth Through Business Incubation	Andrew Levy Business Innovation Center (BIC)	The BIC continues to have active interest from innovation-oriented and foothold companies. The BIC (10 clients, 4 in residence) has already exceeded capacity and recognizes the value of having multiple locations. Downtown Panama City is the urban environment clients' desire. Combining a downtown community-oriented with a successful campus-based location, the BIC will be positioned to service NW Florida's startup community. The BIC requires a grant of \$629,000.00 to fully fund its expansion.	629,000	Five year lease of up to 10,800 sq ft building with office, meeting and other support spaces. Will also cover start-up and monthly costs of internet, phone, utilities, insurance, furniture and modest marketing.
Bay PRP 2014-047	Developing an App for FL Sea Grant's Web-Based Emerald Coast Anchorage Guide - Bay County for Boaters as Safe Harbors and Destinations	William (Bill) T. Mahan Jr. UF IFAS Bay County Extension Program	Developing a Cellphone/Tablet App for the Bay County section of the Emerald Coast Anchorage Guide	50,180	Funds will be used to hire an app design firm to develop an Android app based on the information on Bay County anchorages listed in the FL Sea Grant Emerald Coast Anchorage Website. Significant savings can be achieved by hiring the firm that designed/constructed the original Website for FL Sea Grant

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