

**RESTORE Act Implementation
Stakeholders Meeting
December 15, 2012
E.O. Wilson Center
Participants Worksheets**

Watershed	Kinds Of Projects	Multi-County /Regional Ecological Restoration Projects
Perdido and Pensacola Bay Watershed	<ul style="list-style-type: none"> • Land acquisition • Stormwater runoff and treatment; • Waste Treatment • Sea grasses • Water quality monitoring • Habitat assessment and river/ stream quality • Brownfield redevelopment • Beach nourishment • Shoreline mitigation • Beach dune enhancement • Living shoreline/ marsh restoration • Oyster reef/ artificial reef projects • New sewer lines/ septic tanks abatement 	<ul style="list-style-type: none"> • Erosion control, • Native plant replanting, • Shoreline stabilization • Watershed BMP's • removal of septic tanks • Oyster reef restoration • create walkable communities that reduce energy use/ help avoid sprawl • Different projects may be better suited for different pots of RESTORE dollars depending on opportunities for partnerships with regional /state /federal parties and projects (big picture watersheds).

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Santa Rosa/Blackwater	<ul style="list-style-type: none"> • Land acquisition • Stormwater runoff and treatment • Waste Treatment • Sea grasses • Erosion Control/Riparian zone restoration • Invasive species monitoring and control • Public access control and management along rivers, creeks, bays • Local education centers (like EO Wilson) • 	<ul style="list-style-type: none"> • Land protection in key watersheds, such as Wolfe Creek Forest • Along major river corridors. • military base buffering component. • projects that have other matches • Yellow River Ravines (managed by Florida Forest Service) in Santa Rosa and Okaloosa Counties). • PSA's on how to be a good steward to wetlands, rivers, creeks, and the gulf

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<p>Choctawhatchee</p>	<ul style="list-style-type: none"> • Land acquisition • Projects that directly benefit listed species and rare species • Stormwater runoff and treatment; • Waste Treatment • Sea grasses • Coastal lake preservation • Land acquisition for west Bay to Apalachicola National Forest • Saving the entire Choctawhatchee drainage system • Enhancement of recreational access • Treatment of unstable gullies and unpaved roads especially stream crossing to reduce sediment loads • Increase cost-share \$ available to get livestock out of and away from waterways to reduce nutrients. • Upgrading of WWT facilities to reduce nutrient loading to river system and Bay. • Long-term support for protection/ restoration depends upon people connecting with the resource – water access is poor in upper watershed – improvement needed. • Knight Trust Choct. River and Bay Watershed • Removal/ remediation of illegal sea walls and/ or exposed structures forward of CCC Line • Protection for fisheries – Destin Harbor • Purchase of land to provide buffer zones for FL Black Bear • Connect the protected lands with Eglin AFB with wildlife connector's (ex. Nokusee) • A middle school program to teach young adolescents about programs like the South Walton Conservation and Development Plan 	<ul style="list-style-type: none"> • Bay restoration and land acquisition to connect with West Bay and Apalachicola National Forest. • Choctawhatchee-West Bay Conservation Area (~85,000 acres) would protect both Choctawhatchee Bay and West Bay/ St. Andrews Bay watersheds and estuaries (a West Bay NWR); • West Bay to Apalachicola River/ Estuary – large conservation area (~200,000 acres); and • Flint Rock Tract 22,000 acres Wakulla/ Jefferson Counties/ St. Marks NWR Addition • Septic tank conversion to sewer in waterfront communities/ properties • Restoration of native fish population • Preservation of bird nesting areas • Create an environmental forensics lab for local environmental non-profits to utilize (to include equipment, lab techs, water soil and air sampling units, and consultation services). • Restoration begins with education, so this should be first priority, then water quality, land and wildlife conservation, sustainable building • Active monitoring of the health of the coastal lakes and measures to retain their good health. • Discourage or prohibit seawalls – go to more living shorelines • Heavy metals analysis – formulate solution (e.g. mercury) • Shoreline restoration – upland buffers • ferry system to connect coastal communities to a jitney system to run along beach roads and to ferry landings could reduce congestion and carbon foot • Research Institute, particularly in biology and in ecosystem protection and restoration.

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St. Andrews Bay	<ul style="list-style-type: none"> • Land acquisition/ beach access • Stormwater runoff and treatment • Waste Treatment/ replace septic tanks with sewer • Sea grasses/ oysters/ scallops/ sea turtles – species specific projects • Water Quality monitoring • Shoreline restoration • Air Quality – replace coal with natural gas • Education – k-16, outreach, state and county parks • Ecosystem monitoring and restoration – fisheries, SAV, shoreline restoration, etc. • Trails – build pedestrian and bike trails – FL trails, along bays and rivers, in state/ county parks • Watershed species counts on populations monitoring and reporting systems • Public school education programs on importance of watershed and Gulf systems (incorporating trial systems and “hands on” sampling experiences) 	<ul style="list-style-type: none"> • Land acquisition in West Bay Sector • Land acquisition in East Bay Sector • Seagrass Restoration and monitoring • Stormwater Plan development and implementation • removal of septic tanks • Living shoreline/ oyster restoration • Erosion control • oysters/ scallops/ sea turtles – species specific projects • Regional WQ monitoring council that guides communication and analyzes samples and data and writes reports. • Regional trail system the links Escambia County to Wakulla County and creates corridors along bays and river and inland waters for conservation. • Convert coal power plants to natural gas from Pensacola to Tallahassee. • Counties put \$ into trust fund to fund long term ecological monitoring – this would be regional citizen – science institutes in each county.

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St. Marks and Wakulla	<ul style="list-style-type: none"> • Land acquisition • Stormwater runoff and treatment • Waste Treatment • Sea grass restoration • Plug drainage ditches and re-establish wetlands • Reduce stormwater discharge to watershed • More freshwater discharge in Bay and Estuaries from Apalachicola River. Conduct more studies of low flow effect and funding lawsuits • Effects of low flows in river on fish, shrimp, oysters, grass, etc. • Tallahassee/ Leon/ Wakulla comprehensive waste water treatment management in Wakulla Springs watershed. • Beach Restoration in Franklin County particularly Alligator Point and Bald Pt. 	<ul style="list-style-type: none"> • Land acquisition • Expansion of St. Marks's National Wildlife Refuge with willing sellers • St. Marks NWR 16,000+ acres. Boundary Expansion Plan, • Unit Management Plan, (already approved). Only need money • Acquisition would include Longleaf Pine Forest Restoration • Convert outdated inefficient septic systems to modern state of the art municipal/ county waste water treatment systems. • Stormwater runoff and treatment • Waste Treatment • Sea grass restoration • Dixie Co.: 46,500 Acres-WMD-State-Fed Ranked project- this is CE/ working forest project developed with Dixie Co BOCC • Shorebird and turtle nest habitat / nest protection – • Cleaning old dock, boats, buildings from coast line area, old storm damaged properties are still not cleaned up. • Develop a coastal conservation management plan that becomes an adopted part of the coastal element under CH 163 (would give legal authority to their plan). • Adopt a public participation plan for input on the selected projects recommended by the state.