

PROJECTED RECOVER MONITORING AND ASSESSMENT BUDGET 2008

ITEM	AMOUNT	DESCRIPTION
SFWMD		
<u>LAKE OKEECHOBEE</u>		
Fish Population	\$75,000.00	Establish pre-restoration baseline for key game fish species in Lake Okeechobee and relation to lake stage and submerged aquatic vegetation cover.
Macroinvertebrates	\$75,000.00	Establish pre-restoration baseline conditions for macroinvertebrates, a key environmental indicator, in Lake Okeechobee
Faunal relationship to habitat quality	\$70,000.00	Develop a predictive tool for relating macroinvertebrate and forage fish populations to coverage and species composition of submerged aquatic vegetation
sub-total	\$220,000.00	
<u>NORTHERN ESTUARIES</u>		
Oyster Monitoring	\$365,000.00	Establish pre-restoration baseline conditions for this key environmental indicator in all four northern estuaries
SAV Monitoring	\$200,000.00	Establish pre-restoration baseline conditions for this key environmental indicator in all four northern estuaries
Benthic Monitoring	\$150,000.00	Establish pre-restoration baseline conditions for this key environmental indicator in the SLE/SIRL and as an adaptive management component for SIRL CERP and Ten Mile Creek project
Fisheries	\$90,000.00	Establish pre-restoration baseline conditions for this key environmental indicator in the SIRL/SLE and as an adaptive management component for SIRL CERP and Ten Mile Creek project
sub-total	\$805,000.00	
<u>GREATER EVERGLADES</u>		
Ridge and Slough and Tree Islands	\$198,000.00	Develop an understanding of the relationship between hydrology and tree islands and Everglades ridge and slough habitat to guide restoration and operational decisions. This links to USACE ridge and slough monitoring efforts.

Vegetation Mapping	\$362,440.00	Develop a pre restoration baseline vegetation map for the Greater Everglades that serves to tie together Everglades monitoring and research efforts
Prey food web dynamics	\$687,000.00	Develop an understanding of the relationship between hydrology and the wading bird food chain to guide restoration decisions. This links to ACOE wading bird work detailed below.
Helicopter contract	\$720,000.00	Provide helicopter support services for SFWMD RECOVER contractors
sub-total	<u>\$1,967,440.00</u>	
<u>SOUTHERN ESTUARIES</u>		
S. Fl. Fish Habitat Assessment	\$250,000.00	Establish pre-restoration baseline for this key ecological indicator
Shark River & White Water Bay Oysters	\$100,000.00	Establish pre-restoration baseline conditions for this key ecological indicator.
sub-total	<u>\$350,000.00</u>	
Total SFWMD	\$3,342,440.00	

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GREATER EVERGLADES

Ridge and Slough and Tree Islands	\$257,503.00	Additional work that complements District funded efforts through providing an understanding of the accretion processes operating within the ridge & sloughs and on the tree islands.
Coastal Gradients	\$671,076.00	Develop an understanding of the way in which hydrology, particularly freshwater flows affect the Everglades coastal mangroves habitat to guide restoration and operational decisions. This work also interfaces with Southern Estuaries and provides an understanding of salinity and nutrient patterns within this gradient area.
Marl Prairie	\$92,681.00	Develop an understanding of the way in which hydrology, focusing on freshwater flows, influences Everglades marl prairie habitat to guide restoration and operational decisions. Provides information on the nesting habitat of the Cape Sable Seaside Sparrow.
Bird Colonies and Survival Rates	\$570,026.00	Establish pre-restoration baseline conditions for this key ecological indicator. This work is highly integrated with prey food web dynamics studies noted above.

Prey in Forested Wetlands	\$409,585.00	Establish pre-restoration baseline for wading bird prey in cypress and mangrove dominated wetlands to complete the picture of wading bird trophic dynamics in The Everglades system.
Alligators and Crocodiles	\$537,389.00	Establish pre-restoration baseline conditions for this key ecological indicator. Improve understanding of how hydrology influences these animals to help guide restoration decisions.
Everglades Soil Nutrients	\$106,040.00	This work will provide information regarding the pre-restoration spatial and temporal variability in the soil nutrient concentration values that is necessary to be able to detect restoration driven changes. Provides improved spatial and temporal hydrologic data, such as water depth and hydroperiod needed to plan and monitor restoration progress. Provides insight into results of all other Everglades monitoring and research projects.f
Everglades Depth Estimation Network	\$499,830.00	
sub-total	<u>\$3,144,130.00</u>	

SOUTHERN ESTUARIES

Fisheries	\$138,000.00	Establish pre-restoration baseline conditions for key components of the southern estuaries fish community
Benthic Habitat	\$124,000.00	Establish pre-restoration baseline conditions for the Biscayne Bay benthic community.
Biscayne Bay Nearshore Salinity	\$167,000.00	Nearshore salinity monitoring network to establish pre-restoration baseline and monitor restoration progress in Biscayne Bay through key linkage to ecological indicators
Sea Grass Fish and Invertebrates	\$392,000.00	Develop an understanding of the relationship between seagrass, fish and invertebrates to guide restoration decisions.
Biscayne Bay Nearshore Epifauna	\$167,000.00	Establish pre-restoration baseline conditions for Biscayne Bay near shore epifauna.
sub-total	<u>\$988,000.00</u>	

Total ACOE **\$4,132,130.00**