

**SOUTH FLORIDA ECOSYSTEM RESTORATION TASK FORCE
PRELIMINARY SCIENCE PROGRAM / PROJECT'S LIST**

PROGRAMS

	<i>Title</i>	<i>Project ID No.</i>	<i>PPM</i>	<i>Organization</i>	<i>Start</i>	<i>End</i>	<i>Financial Requirement</i>	<i>Appropriated to Date</i>	<i>Lead</i>
1	Charlotte Harbor National Estuary Program	GL45	Lutterman	EPA	1996	end	\$3,707,000	\$2,208,667	Rogers
2	Indian River Lagoon National Estuary Program	GL 18	Neal	IFAS	1997	2002	\$2,000,000	\$500,000	call
3	NOAA South Florida Science Program	TS96	Ortner	NOAA	1995	2010	\$40,000,000	\$9,600,000	Ortner
4	Cumulative Effects of Natural and Anthropogenic Stressors	SE40	Goodyear	NOAA	1995	2001	\$6,250,000	\$4,450,000	Thompson
5	Florida Keys National Marine Sanctuary: Sanctuary-wide and Zone Monitoring Programs	FK57	Keller	NOAA	1997	2002	\$2,730,000	\$1,623,400	Keller
6	BMPs for Agriculture	TS05	Hendricks	NRCS	1997	2007	\$32,050,000	\$6,000,000	smola
7	Technical Assistance to Seminole and Miccosukee Indian Reservations	TS24	Smola	NRCS	1998	2009	\$3,850,000	\$100,000	smola
8	Technical Assistance to EAA and C-139 Basin	GL36	Boyd	NRCS	1995	2005	\$17,498,000	\$3,000,000	smola
9	Monitoring of Organic Soils in the Everglades	GL37	Hendricks	NRCS	1997	2011	\$1,236,400	\$36,400	smola
10	Urban Mobile Irrigation Lab	GL57	Smith	NRCS	1997	2011	\$2,500,000	\$130,000	smola
11	Seminole Tribe Data Collection and Monitoring	TS85	Tepper	Seminoles	1997	2010	\$6,715,000	\$1,142,000	Tepper
12	Supplemental Water Quality Treatment Technology Demonstration Projects	TS23	Gray	SFWMD	1997	2001	\$10,000,000	\$4,277,425	Joan
13	Buck Island Agroecology Study	GL04	Steinman	SFWMD	1991	2010	\$12,000,000	\$7,000,000	Joan
14	Lake Okeechobee Torpedo Grass Research	GL68	Hanlon	SFWMD	2000	2001	\$150,000	\$120,000	Joan
15	Nutrient Threshold/dosing	CE15	Fontaine	SFWMD	1994	2001	\$13,000,000	\$10,000,000	Joan
16	Everglades Landscape and Everglades Water Quality Model Development	CE29	Fontaine	SFWMD	1994	2001	\$3,500,000	\$2,400,000	Joan
17	Aerial Photogrammetric Topography Database	Various	Ehmke	SFWMD	1983	Cont.	\$1,200,000	\$200,000	Various
18	BCB Inland Water Quality Monitoring Program	C-12250	Tears	SFWMD/Collier County	1980	Cont.	\$250,000	\$60,000	Smith
19	BCB Integrated Modeling of Surface and Ground Water Flow	C-11767	Nath	SFWMD/DHI	2000	2001	\$160,000	\$160,000	Christierson
20	BCB Estuarine Water Quality Monitoring Program	C-10244	Weaver	SFWMD/FIU	1997	Cont.	\$500,000	\$75,000	Boyer
21	BCB Regional Research & Monitoring Database	C-13257	Nath	SFWMD/FMRI	1997	Cont.	\$28,500	\$16,500	Truby
22	Exotic Pest Plant Controls in South Florida Ecosystems	TS11	Center	USDA/ARS	1998	2006	\$10,317,000	\$1,190,000	Glaz
23	Biological Control and Ecology of Invasive Pest Plants	TS50	Center	USDA/ARS	1997	2006	\$10,791,000	\$2,761,000	Glaz
24	Agricultural Contribution to Carbon Cycling	GL22	Allen	USDA/ARS	1996	2001	\$1,797,980	\$719,192	Glaz

25	Sustainable Agriculture in the Everglades Agricultural Area	GL39	Miller	USDA/ARS	1998	2018	\$20,000,000	\$500,000	Glaz
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26	Development of Diverse Sugarcane Germplasm and its use in Development of Improved Varieties	GL40	Miller	USDA/ARS	1990	2010	\$29,250,000	\$7,785,000	Glaz
27	Environmentally Friendly Forage-Livestock Systems for the Subtropical U.S.A.		M.J. Williams	USDA/ARS	2002	2006	\$1,000,000	\$250,000	Williams
28	Histosols for Sustainable Sugarcane Yields		Morris	USDA/ARS	2000	2004	\$1,000,000	\$500,000	Morris
29	Nutrient, Water and Pesticide Management for Horticultural Production and Water Quality Protection		Albano	USDA/ARS	2000	2004	\$1,000,000	\$500,000	Albano
30	water from Agricultural Chemicals in the South Dade Basin		Potter	USDA/ARS	1999	2003	\$1,000,000	\$750,000	Potter
31	Water Management Evaluation in Regions with High Water Table		Savabi	USDA/ARS	2000	2004	\$2,400,000	\$1,040,000	Savabi
32	ATLSS Ecological Models & Model Enhancements		DeAngelis	USGS	1995	2005	\$13,345,000	\$5,195,000	Best
33	Hydrological (SICS, TIME) Models & Model Enhancements	TS40	Schaffranek	USGS	1995	2005	\$21,485,000	\$11,183,000	Best
34	South Florida Information Access System (SOFIA)	TS41	Sonenshein	USGS	1995	2005	\$9,501,000	\$4,887,000	Best
35	High Density Topographic Surveys and Mapping	TS42	Desmond / Jones	USGS	1997	2005	\$10,325,000	\$2,910,000	Best
36	Ecosystem History	TS44	Wardlaw/Wingard	USGS	1995	2003	\$5,597,000	\$3,941,000	Best
37	Biogeochemical (Mercury) and Nutrient Process Studies	TS67	Krabbenhoft / Orem	USGS	1995	2005	\$9,038,000	\$5,316,000	Best
38	Florida Bay Geochemistry, Salinity, Sedimentation		Yates / Halley	USGS	1995	2005	\$3,000,000	\$1,750,000	Best
39	Freshwater Flow Monitoring		Patino / Hittle	USGS	1995	2005	\$5,000,000	\$2,300,000	Best
40	Native Lands - Internal Surface-Water Flows		Murray	USGS	1995	2004	\$300,000	\$250,000	Best
41	Resources (American alligator data, aquatic community structure, estuarine communities, fire regimes, avian ecology, landscape ecology, mangroves, land-margin ecosystems)		Loftus/Mclvor/Rice	USGS	1995	2005	\$29,253,000	\$12,491,000	Best

PROJECTS

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1	Limitations of Environmental Stresses and Physiological Resposes on Crop Productivity	TS43	Sinclair	USDA/ARS	1995	2000	\$250,000	\$70,000	smola
2	Florida Keys Nutrient Feasibility Study	FK15	Teague	EPA	1996	1998	\$566,000	\$566,000	Rogers
3	Subsurface Sand Body Investigation (Sunniland)	SW22	Scott	FDEP	1996	1997	\$10,000	\$10,000	Outland
4	Southwest Surficial Aquifer System Investigation	SW23	Scott	FDEP	1997	1998	\$60,000	\$60,000	Outland
5	Florida Bay Fisheries - Habitat Assessment Program	CE40	Robblee	FLDEP	1997	2000	\$480,000	\$218,000	Outland
6	Tree island Restoration Everglades Mgt Area	CE27	Anderson	GFWFC	1997	2003	\$253,000	\$108,000	Poole
7	Stock Structure and Abundance of Bottlenose Dolphins along Florida's West Coast	GL59	Goodyear	NMFS	1990	2001	\$380,700	\$156,000	Thompson

8	Fish Abnormalities as Environmental Quality Indicators in the St. Lucie - Lower Indian River	GL60	Browder	NMFS	1999	2004	\$134,200	\$29,200	Thompson
9	Seagrass Studies in Indian River Lagoon	GL62	Kenworthy	NMFS	1987	2001	\$573,000	\$393,000	Thompson

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10	Team Ocean	FK42	Tagliarini	NOAA	1997	2002	\$680,000	\$71,875	Keller
11	Coral Reef Classroom	FK43	Kelly	NOAA	1997	2002	\$110,320	\$35,515	Keller
13	Assimilative Capacity for Phosphorus of C&SF Canals on the Big Cypress Reservation	SW17	Tepper	Seminoles	1997	2004	\$450,000	\$200,000	Tepper
14	Forested Wetland Nutrient Uptake Research	SW18	Tepper	Seminoles	1998	2004	\$420,000	\$200,000	Tepper
15	Everglades Tree Island Research and Monitoring Initiative: Phase 1	CE30	Sklar, Heisler	SFWMD	1997	1999	\$169,751	\$83,900	Joan
16	BCB ASR Feasibility Study in Collier County	E-21340	Vidzes	SFWMD	1986	1987	\$150,000	\$150,000	CH2Mhill
17	BCB Surface Water Reservoir Feasibility Study	C-6707	Tears	SFWMD	1996	1996	\$7,000	\$7,000	WilsonMiller
18	BCB Ecologic Assessment	C-7700	Nath	SFWMD	1997	1999	\$150,000	\$150,000	Greiner
19	Status of Sheet Flow in BCB	C-10762	Feng	SFWMD/BCNP	2001	2002	\$16,500	\$16,500	Sobczak
20	Oysters as Indicators of Ecosystem Health	C-11754	Ahmed	SFWMD/FGCU	2000	2002	\$18,750	\$18,750	Savarese
21	Wildlife Survey in SGGE	C-11766	Nath	SFWMD/DOF	2000	2002	\$63,000	\$23,000	Durrwachter
22	Spatial Modeling of Freshwater Flow into Estuarine Habitats	C-13253	Nath	SFWMD/FMRI	2002	2003	\$100,000	\$50,000	Rubec
23	Relationships between Inshore Populations of the Pink Shrimp, <i>Penaeus duorarum</i> , and Offshore Tortugas and Sanibel Fisheries	CE41	Robblee	USGS	1997	1999	\$150,000	\$75,000	Best
24	Fish recruitment, Growth and Habitat Use in Florida; An Integrated Team Approach	CE46	Robblee	USGS	1997	1998	\$825,000	\$275,000	Best
25	Population genetic structure and the dispersal of freshwater fishes and prawns	CE47	Loftus	USGS	1996	2000	\$130,000	\$10,000	Best
26	Freshwater mesocosm Studies	CE48	Loftus	USGS	1996	2002	\$187,000	\$82,000	Best
27	Life History and Ecology of the Everglades Crawfish	CE50	Loftus	USGS	1996	2000	\$250,000	\$85,000	Best
28	Population Structure and Spatial Delineation of Aquatic Consumer Communities in the Everglades National Park	CE59	Loftus	USGS	1996	2001	\$204,100	\$200,000	Best
29	Plant Biodiversity of Big Cypress National Preserve	SW40	Snyder	USGS	1998	2000	\$48,000	\$48,000	Best
30	Hydrologic Reconnaissance of the gray limestone aquifer of South Florida	SW41	Reese	USGS	1996	1999	\$817,000	\$323,600	Best
31	Ground-Water Discharge to Biscayne Bay	FK46	Langevin	USGS	1997	2003	\$1,400,000	\$350,000	Best
32	Stratigraphy and hydrogeology of the surficial aquifer system of Southwest Florida	SW43	Wardlaw	USGS	1996	1999	\$939,177	\$635,050	Best

UNFUNDED PROGRAMS / P R O J E C T S

1	Title	Project ID No.	PPM	Organization	Start	End	Financial Requirement	Appropriated to Date	Lead
2	Agriculture Land Stewardship	TS04	Smola	NRCS	1997	2008	\$10,920,000	\$0	smola
3	Fire Management Plans for Public Lands	TS13	Folks	FDACS	1998	2003	\$2,600,000	\$0	Folks
4	Ecosystem History: Studies of Land Use and Ecological Change	TS53	Patterson	FDEP	1998	2004	\$1,062,000	\$0	Outland
5	Assessment of Endocrine-Disrupting Contaminants in the Florida Everglades	TS54	Axelrad	FDEP	1999	2002	\$644,000	\$0	Outland
6	Natural System Boundary Alternatives and Natural Lands Information System	TS55	Haddad	FDEP	1998	2000	\$310,000	\$0	Outland
7	Identification and Documentation of Ecosystem Reference Areas as a Biodiversity Monitoring Framework	TS56	Minasian	FDEP	1999	2000	\$200,000	\$0	Outland
8	Six Water Level Meteorological Stations	CE18	Harrell	FDEP	1998	2003	\$1,349,500	\$0	Outland
9	Subregional characterization of the geological framework of the subsurface coarse sand zone and its influence on Florida Bay and the southern Florida ecosystem	CE38	Scott	FDEP	1999	2001	\$300,000	\$0	Outland
10	Characterization of the geologic framework of the subsurface coarse sand zone and its influence on Florida Bay	SW21	Scott	FDEP	1997	2000	\$1,500,000	\$0	Outland
11	Establishing BMPs for Agricultural and Urban Areas of the Eastern C-111 Basin	SE10	Klassen	IFAS	1997	2002	\$17,690,000	\$0	call
12	A Program to Reduce Phosphorus, Nitrogen and Pesticide Runoff and Leaching from Turf/Grass into South Florida Surface and Ground Waters	SE24	Snyder	IFAS	1997	2000	\$280,000	\$0	call
13	Pollution Prevention	TS22	Smola	NRCS	1999	2003	\$870,000	\$0	Smola
14	Soil Survey Update for the Everglades Agricultural Area	GL38	Hendricks	NRCS	1997	2000	\$1,500,000	\$0	smola
15	Soil Survey for Everglades National Park& Water Conservation Areas	CE05	Hendricks	NRCS	1997	2002	\$4,280,000	\$0	smola
16	Impacts of Sludge Deposition on Phosphorus Levels on the Big Cypress Reservation	SW19	Tepper	Seminoles	1998	1998	\$30,000	\$0	Tepper
17	Seminole Tribe Ecotoxicology Study	NP1	Tepper	Seminoles	2000	2020	\$221,000	\$0	Tepper
18	Southwest Florida Water Management Model and Natural System Model	SW50	Merriam	USFWS	2000	2005	\$2,000,000	\$0	Grahl
19	Role of Aquatic Refuges in the ecology of wetland fishes	CE49	Loftus	USGS	1998	2001	\$150,000	\$0	Best

20	Experimental Studies of Population Growth and Predator-Prey Interactions of fishes in the Everglades National Park	CE58	Loftus	USGS	1998	2001	\$75,100	\$0	Best
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UNFUNDED PROGRAMS / P R O J E C T S, cont.

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21	Strand Structure and Productivity of Short-hydroperiod Graminoid Wetlands	SW37	Snyder	USGS	1999	2002	\$470,000	\$0	Best
22	Aquatic Animal Dynamics in Big Cypress Habitats	SW38	Loftus	USGS	1999	2004	\$800,000	\$0	Best