



Lake Worth Lagoon Partnership Grant Program Update –January 2009

LEAD AGENCY: Palm Beach County Department of Environmental Resources Management

19 AGENCY & MUNICIPAL PARTNERS: Boynton Beach, Lake Park, West Palm Beach, Hypoluxo, Lake Worth, Lake Park, Lantana, Palm Beach, Ocean Ridge, Westgate/Belvedere Homes CRA, Port of Palm Beach, PBC School District, Florida Inland Navigation District, Florida Dept. of Environmental Protection, South Florida Water Management District, West Palm Beach Fishing Club, Spanish River High School, Riviera Beach Maritime Academy, United States Geological Service, FFWCC, USACE, USDA, and NOAA/NMFS.

DESCRIPTION OF WORK: Since 1998, the Legislature has supported the restoration and enhancement of the Lake Worth Lagoon by appropriating funds for the Lake Worth Lagoon Partnership Grant Program. The grant funds construction projects that benefit water quality and habitat in the lagoon.

COST OF PROJECT:

- Total estimated project cost: \$55,900,000
- Total estimated matching funds from local sponsors: \$39,000,000
- Total grant funds: \$16,900,000

BENEFITS TO LAKE WORTH LAGOON: A total of 44 construction projects have been funded; 34 projects are complete.

- 26 Water Quality Projects Treating 2,100+ Acres of Runoff
- 16 Habitat Enhancement Projects: 125+ Acres
 - 20+ Acres of Mangroves Created
 - 58 Acres of Potential SAV Habitat Created
 - Hard bottom, artificial reefs, and maritime hammock
- 5 Septic to Sanitary Sewer Projects; 1 Marina Pump-out Station
- 17 Monitoring Projects

POLLUTANT REDUCTION: A pollutant loading reduction study was performed on six representative projects in Lake Worth Lagoon. Based on this data, loading reductions were extrapolated to all capital projects. Substantial amounts of suspended solids and nutrients are being removed through innovative treatment technologies as follows:

- 1.6M lbs of Total Suspended Solids Per Year
- 36,000 lbs of Nitrogen Per Year
- 6,000 lbs of Phosphorous Per Year

SFY 2008-2009 PROJECTS & AWARD:

PBCERM South Cove Restoration: \$415,000
Monitoring: \$50,000

CONTACT INFORMATION:

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