

SNOOK ISLAND ENVIRONMENTAL RESTORATION STUDY

Client: Palm Beach County Environmental Resource Management



Section 1135 - Environmental Restoration Feasibility Studies: Coastal Tech was contacted by Palm Beach County to assist them in resolving some unforeseen issues involving the “in situ” capping in this joint County, Florida Inland Navigation District (FIND) and U.S. Army Corps of Engineers (USACE) restoration project in the Lake Worth Lagoon. The project was already under construction when Coastal Tech was asked to assist. The Contractor had been loading or “capping” the underlying soft material at a rate too fast for it to stay confined. That action resulted in creating a 'mud wave' that, in one spot, was headed toward the ICWW channel. Coastal Tech actually worked on this 'technically' through and with the County's consultant.

Within four weeks of authorization we developed a comprehensive Scope of Work, performed an initial site visit, and reviewed existing information and data about the project. Coastal Tech also identified, planned and oversaw additional field and lab work, formulated and evaluated alternative restoration/cap placement methods, performed construction observations, and prepared a report including conclusions and recommendations. The 'additional' work performed was for the County consultant to do additional site probes to better define thickness and limits in order to adjust the cap placement on one end of the project and to allow for rock breakwaters [shown in the above photo].



Key Elements

- ☉ Site visits
- ☉ Field & Lab Work
- ☉ Alternatives Evaluation
- ☉ Construction Observations
- ☉ Final Report & Recommendations

Date: 2004

Fees: \$22,800.

Cost: \$19,000,000.

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