

Biscayne Bay Coastal Wetlands

Tentatively Selected Plan
Consultation

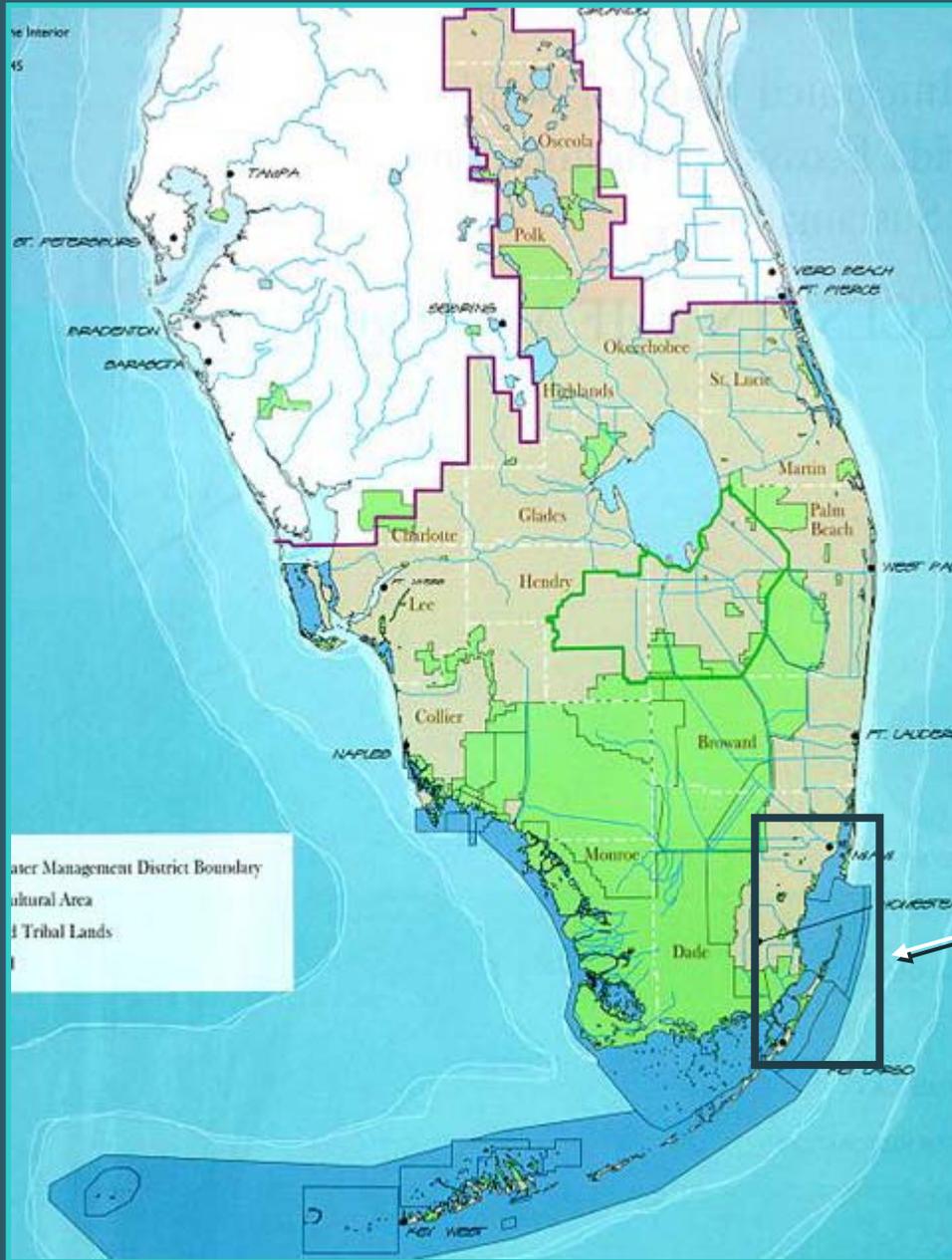


COMPREHENSIVE
EVERGLADES
RESTORATION PLAN

October 19, 2007

Presentation Overview

- Project Objectives
- Plan Formulation
- Selection of the TSP
- Two Phase PIR Approach
- First PIR recommended plan
- Milestones



Biscayne Bay Coastal Wetlands Component

Biscayne Bay Coastal Wetlands

Project Objectives

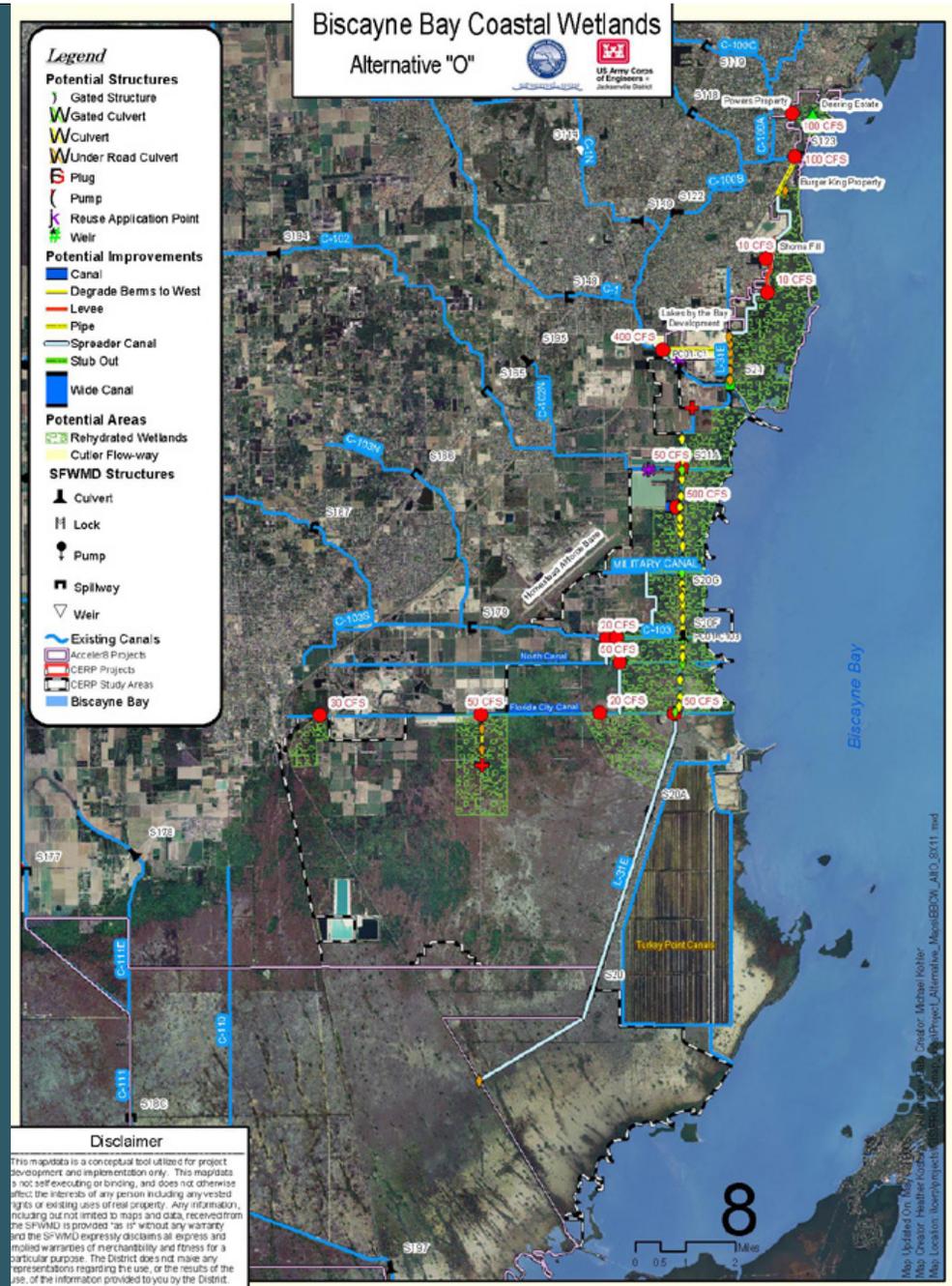
- Reestablish productive **nursery habitat** along the shoreline
- Redistribute **freshwater flow** to minimize point source discharges to improve freshwater and estuarine habitat
- Enhance and improve **quantity, quality, timing and distribution of freshwater** to the Bay, including BNP
- Preserve and restore **spatial extent** of natural coastal glades habitat
- Reestablish **connectivity** between Biscayne Bay Coastal Wetlands, C-111 Basin, Model Lands and adjacent basins
- Restore nearshore and tidal wetland **salinity regimes**

Plan Formulation

- BBCW team crafted alternatives based on YB objectives for freshwater, saltwater and near shore ecological zones
- Final array included four alternative plans
 - No-Action (FWOP)
 - Alt M
 - Alt O
 - Alt Q
- Alternative O is the TSP
 - only alternative that is both cost effective and a best buy for all habitat eco-zones
 - provides large degree of flexibility for operational changes and future adaptive management capability

Alternative O

- Major Features
 - Canal discharge redistribution
 - 13 Pump Stations
 - 4,700 feet of piping
 - 7 miles of spreader canals
 - 5 miles of levees
 - Flow ways
 - 10,134 acres of land
- Project cost \$498,190,000



Biscayne Bay Coastal Wetlands

Risk & Uncertainty

- Modeling data uncertainty
- Availability of future water to support project
- Quantity and quality of water to be provided by future reuse project
- Benefits analysis methodology employed mix of quantitative and qualitative performance measures supported by modeling results
- Uncertainty of land availability and cost due to development pressure

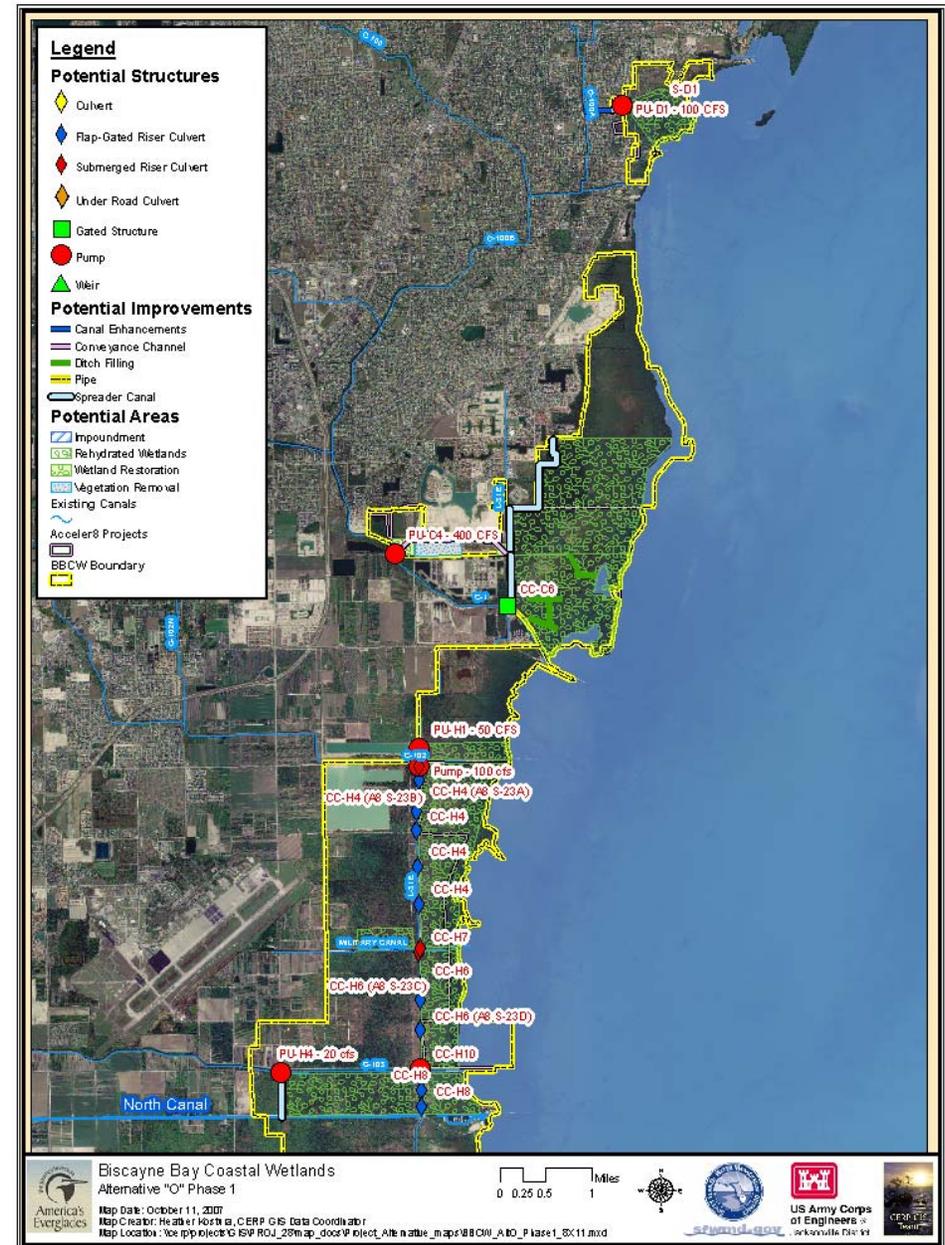
Phased Implementation

Two PIRs

- Provides for early construction and benefits
- Utilizes available water now
- Provides for adaptive management
- PDT identified the first increment for construction to achieve early benefits
 - Only first increment will be recommended for authorization Remaining TSP features will be identified in the second PIR

First PIR

- Subset of Alt O
 - Deering Estate – all features
 - Cutler Wetlands – over half of features
 - L-31E Flow Way - about a quarter of features
 - Includes all Acceler8 components



Biscayne Bay Coastal Wetlands

First PIR Construction Cost

- Expect early benefits from this first increment
- The total cost is approximately 44% of the total cost of Alternative O
- Spatial extent - 4,594 acres or 45% of the acres for Alt O

Item	Total
Construction	\$62,612,000
Real Estate	\$155,854,000
Total Cost	\$218,466,000

Milestones

- Independent Technical Review Aug 07
- Alternative Formulation Briefing Nov 07
- Start Construction on A8 Features Dec 07
- Draft PIR/NEPA Report May 08
- Civil Works Review Board Nov 08
- Final PIR/NEPA Report Dec 08
- Chief's Report Mar 09