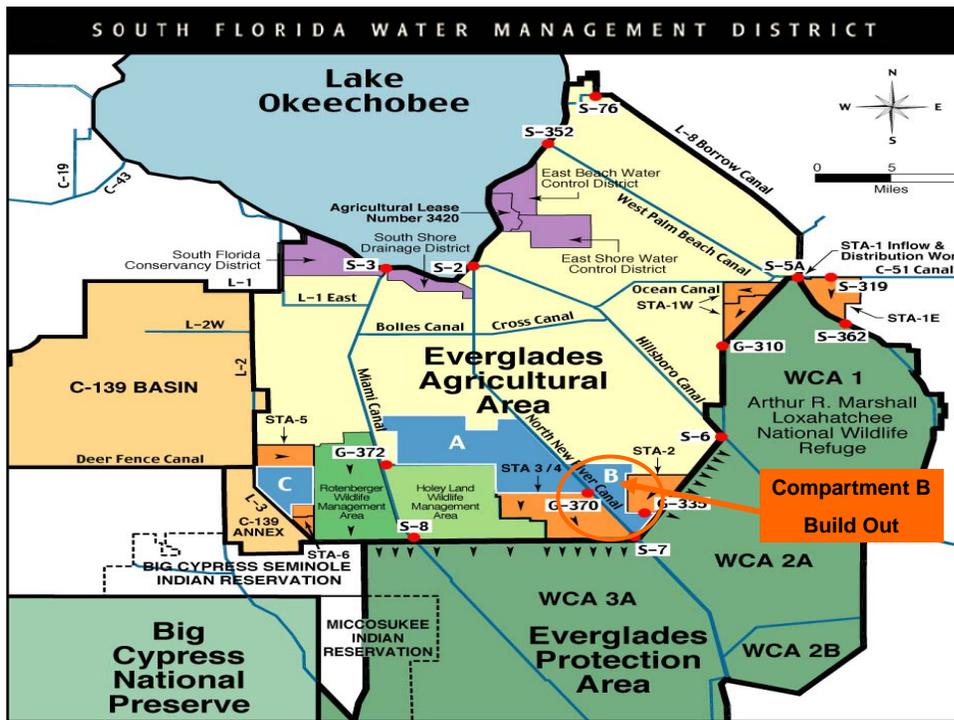


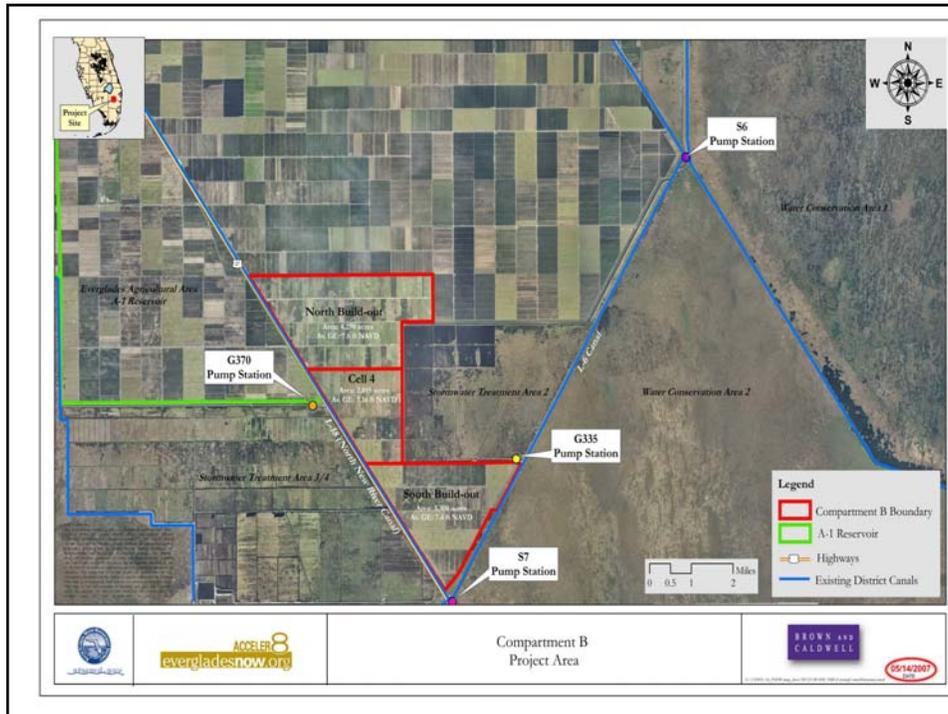
Stormwater Treatment Areas Compartment B Build-out

Water Resources Advisory Commission

Basis of Design Report

7 Jun 07





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Purpose

- An additional Stormwater Treatment Area (STA)
- Further improve water quality of discharges to the Everglades Protection Area (EPA)
- Assist with re-distribution of flows and loads in the Everglades Agricultural Area (EAA)

Documentation

Base Documentation

- Everglades Protection Area: Tributary Basins Long Term Plan (for Achieving Water Quality Goals) of Oct 03
- Part 2 Revision of Nov 04
- EAA Regional Feasibility Study of Oct 05

Basis of Design Report (BODR)

- Draft BODR of Apr 07
- Available for public/agency comment
- Website www.evergladesnow.org

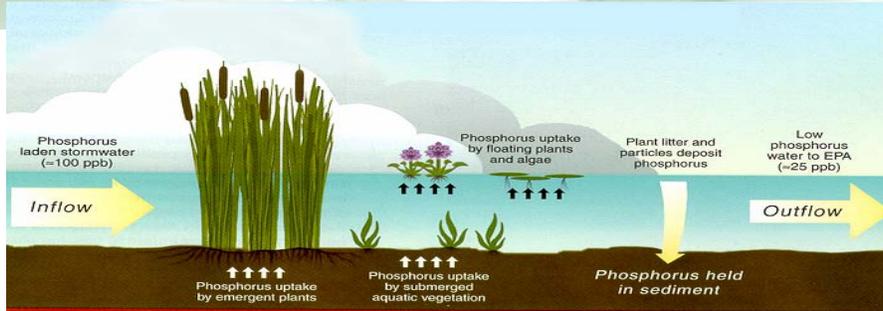


Basis of Design Report

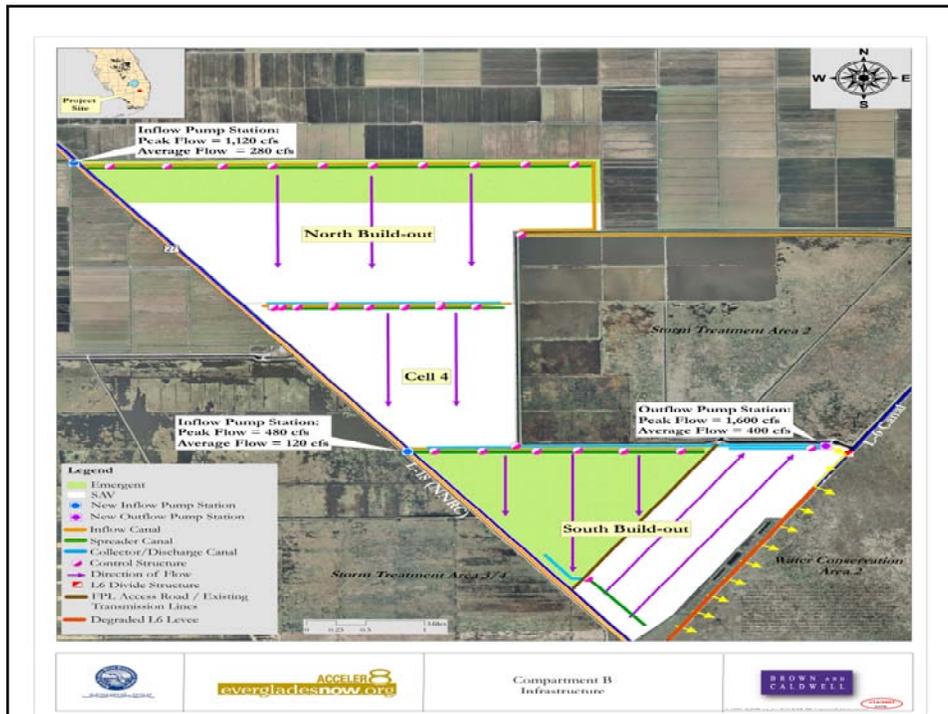
- Design criteria
- Hydrologic & hydraulic analyses
- Project layout & evaluation of alternatives
- Project features
- Opinion of Probable Construction Cost
- Supporting engineering analyses



Predicted Performance



- Simulated average annual inflow volume: 287,880 acre-feet/year
- Simulated total phosphorus average annual removal rate: 41 tons/year
- Simulated total phosphorus average annual inflow load: 47.9 tons/year
- Overall simulated average annual load reduction: 86%



Project Features

North Build Out

- 4300 acres
- Inflow Pump Station = 1120 cfs (average flow = 280 cfs)
- Inflow/Outflow Structures (gated culverts)

Cell 4 (Existing)

- 2015 acres
- Additional inflow culverts

South Build Out

- 3275 acres
- Inflow Pump Station = 480 cfs (average flow = 120 cfs)
- Outflow Pump Station = 1600 cfs
- L-6 Canal flow control structure

Recreational Benefits

- Passive recreation opportunities
 - Hiking
 - Biking
 - Bird watching
- Controlled hunts

Construction Schedule & Cost

Schedule

STA Flow Capable	2010
Pump Stations	2011

Estimated Construction Cost

\$203 million (2007 dollars)
\$260 million (escalated to midpoint of construction)



Cell 4 Looking North

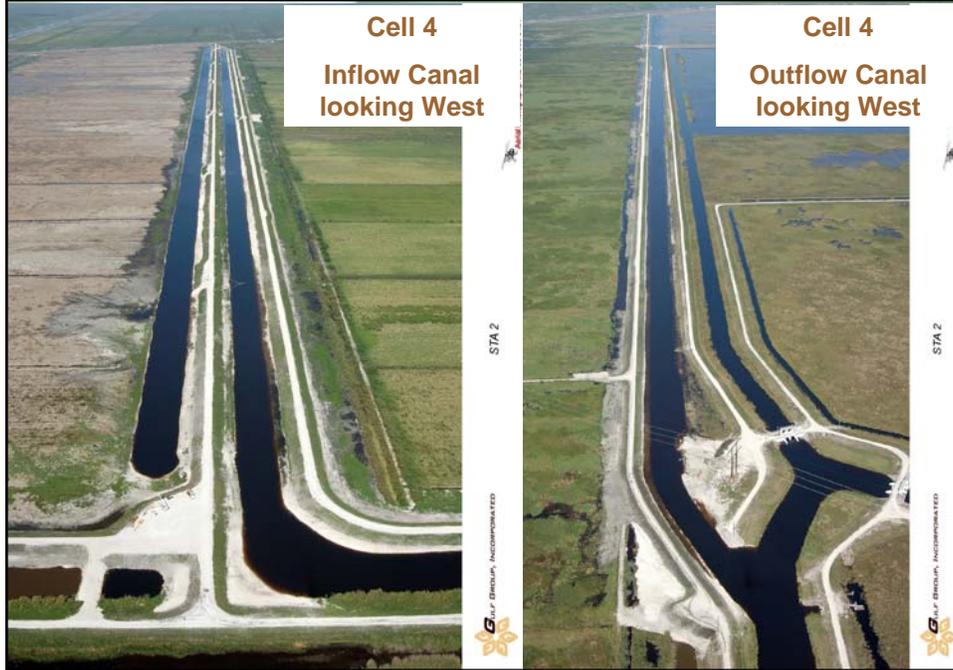


STA 2

Print #70420014
Date:04/20/07

Aerial Photography, Inc. 954-555-0484





Consultations

Briefings

- City of Belle Glade
- City of Pahokee
- Government Agencies
- Agricultural Stakeholders
- Environmental Stakeholders

WRAC Issues Workshop: 23 May 07 (WPB)

Comments Received

- STA cell size
- Treatment technology efficiency

- Query over number of local jobs generated
- Timing of permits
- Regional storage and conveyance

- Support from Sportmen's Organisation

Completion of Design

Basis of Design Report	Jul 07
Final Design – STA	Aug 08
Final Design – PSs	Jan 09



Questions ?

