SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Accelerating Everglades Restoration Through Expansion of Stormwater Treatment Areas

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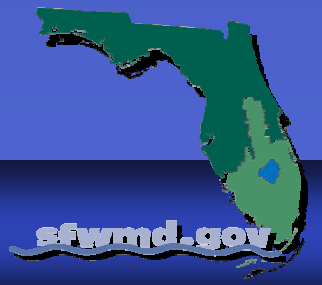
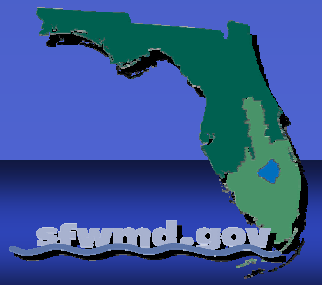
Background

- Six stormwater treatment areas (STAs) have been constructed by the District and Corps of Engineers
- Performance of EAA Best Management Practices and STAs have exceeded expectations – outflow concentrations averaging 40 ppb
- However, additional water quality improvement measures are necessary to achieve the long-term phosphorus criterion in the Everglades



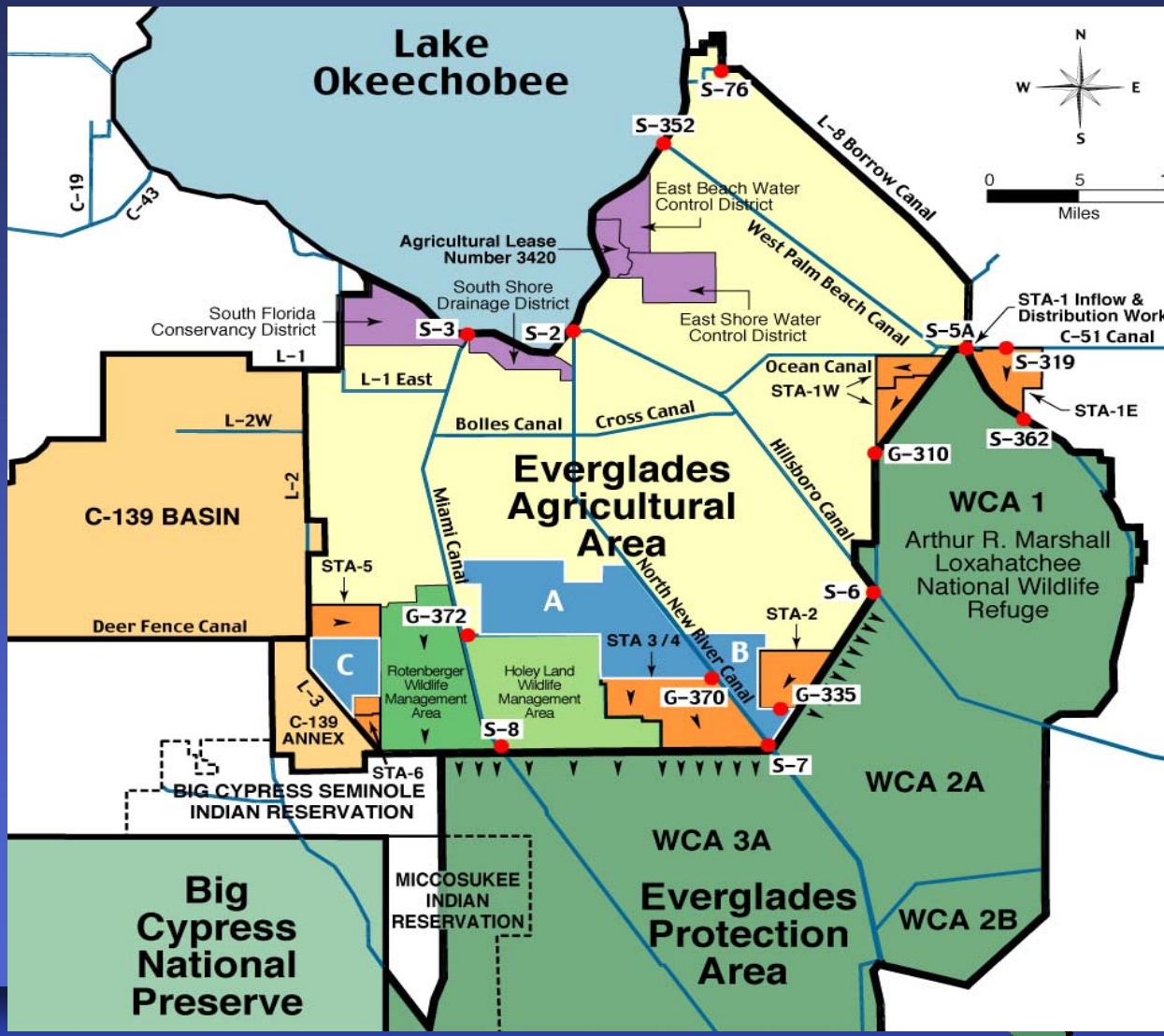
Everglades Plan

- A Plan to achieve long-term goals was submitted in December 2003 to FDEP
  - Enhancements to STAs
  - Expanded BMPs in other basins
  - Integration with CERP projects
- Strength of Plan is adaptive management; acknowledged there would be revisions based on new science and other information.



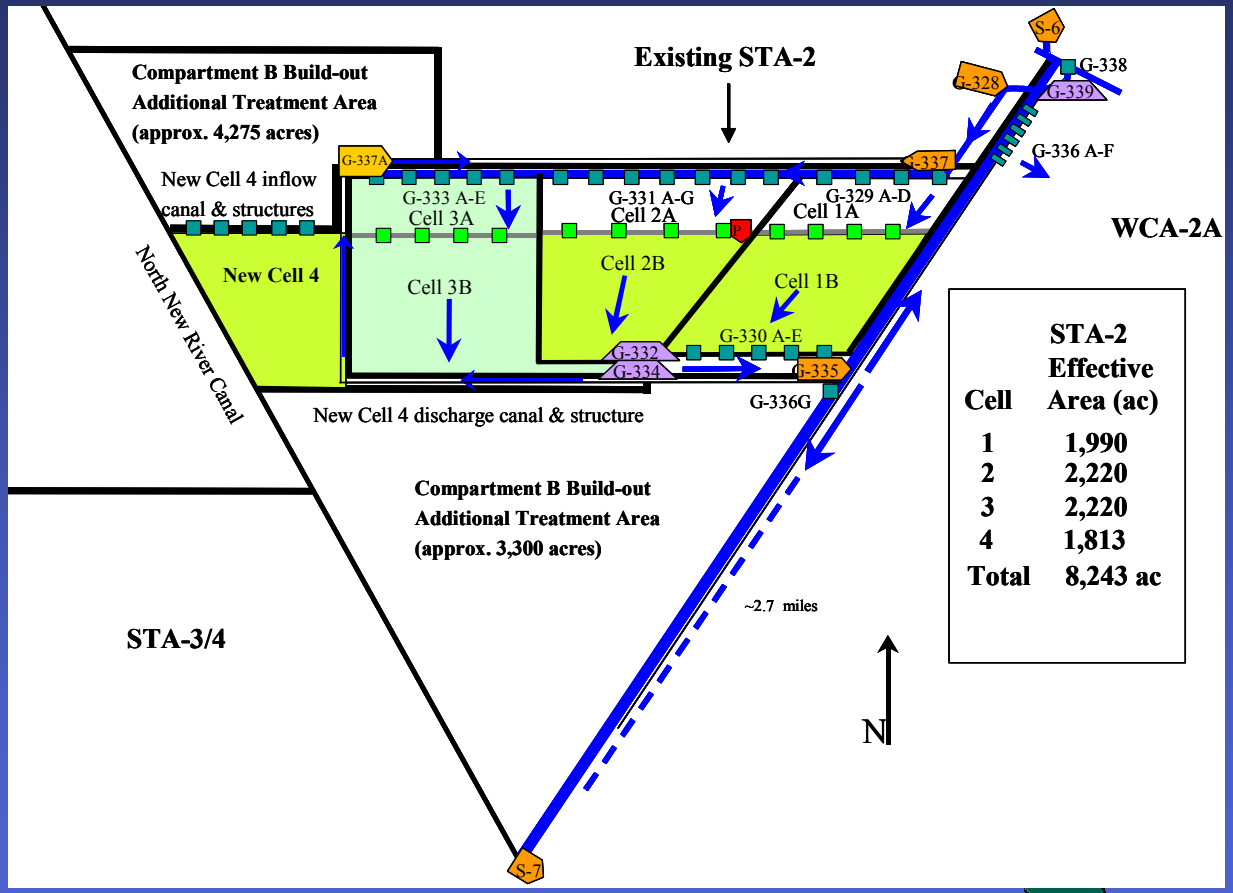
Additional land available for expanded treatment areas

- Storage requirements of EAA Reservoir can be met using just Compartment A
- Recommending expansion of treatment areas on Compartments B and C



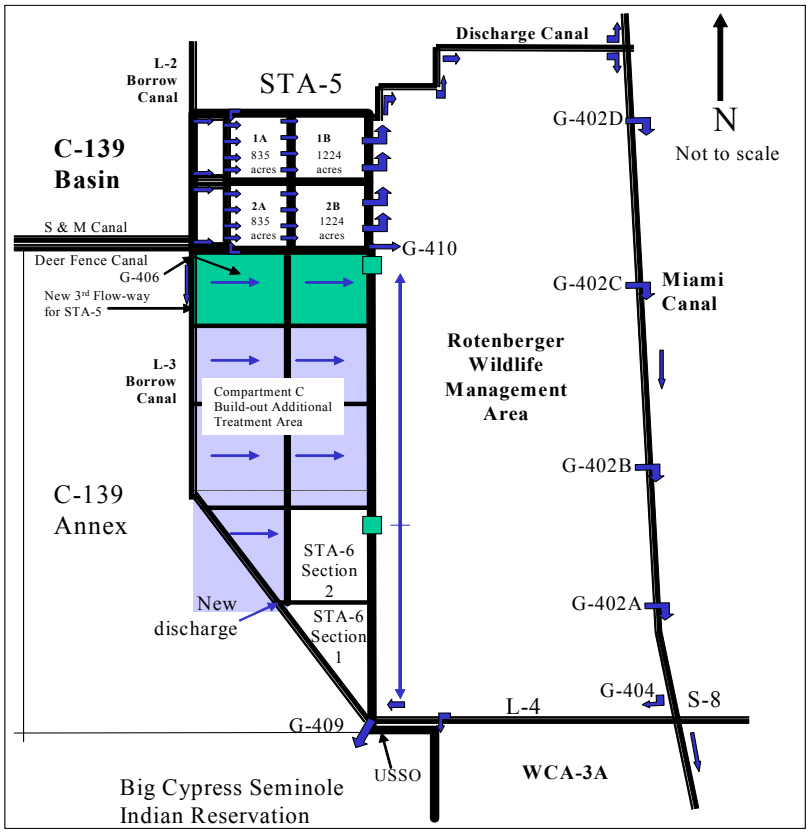
Conceptual Schematic for Compartment B Treatment Areas

- 2,015-acre expansion of STA-2 by 12/31/06 if possible
- Additional 7,575 acres as treatment area by 12/31/2008 if possible



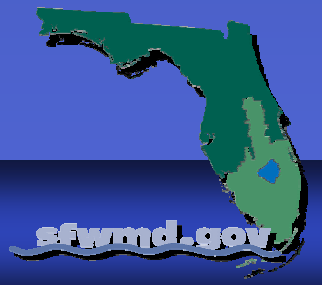
Conceptual Schematic for Compartment C Treatment Areas

- **2,560 acre expansion of STA-5 by 12/31/06 if possible**
- **Additional 6,240 acres as treatment area, *ASAP***



Regional Feasibility Study

- Primary objective: ensure optimal transfer of water to balance flows and loads among the STAs
- Will help determine the optimal configuration of Compartments B and C
- Will help synchronize the operations of EAA reservoir and the STAs
- Will evaluate other regional alternatives



Summary

- *Strength of Plan is adaptive management*
- Expanding treatment areas in EAA by 40% to take advantage of additional land
- Will enhance ability to meet Everglades water quality goals