

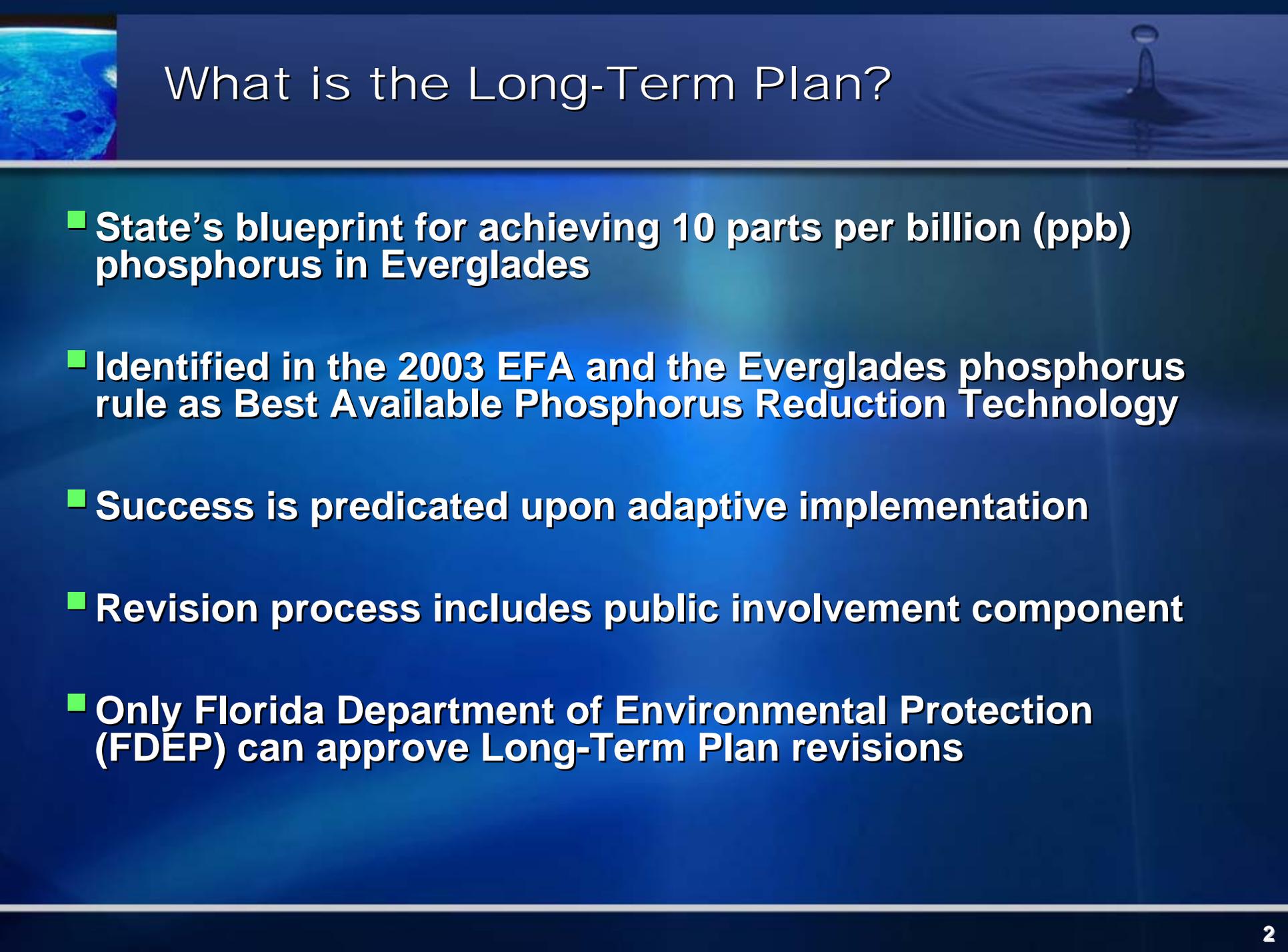


2008 Report on Status of the Everglades Protection Area Long-Term Plan for Achieving Water Quality Goals

WRAC Meeting
July 3, 2008

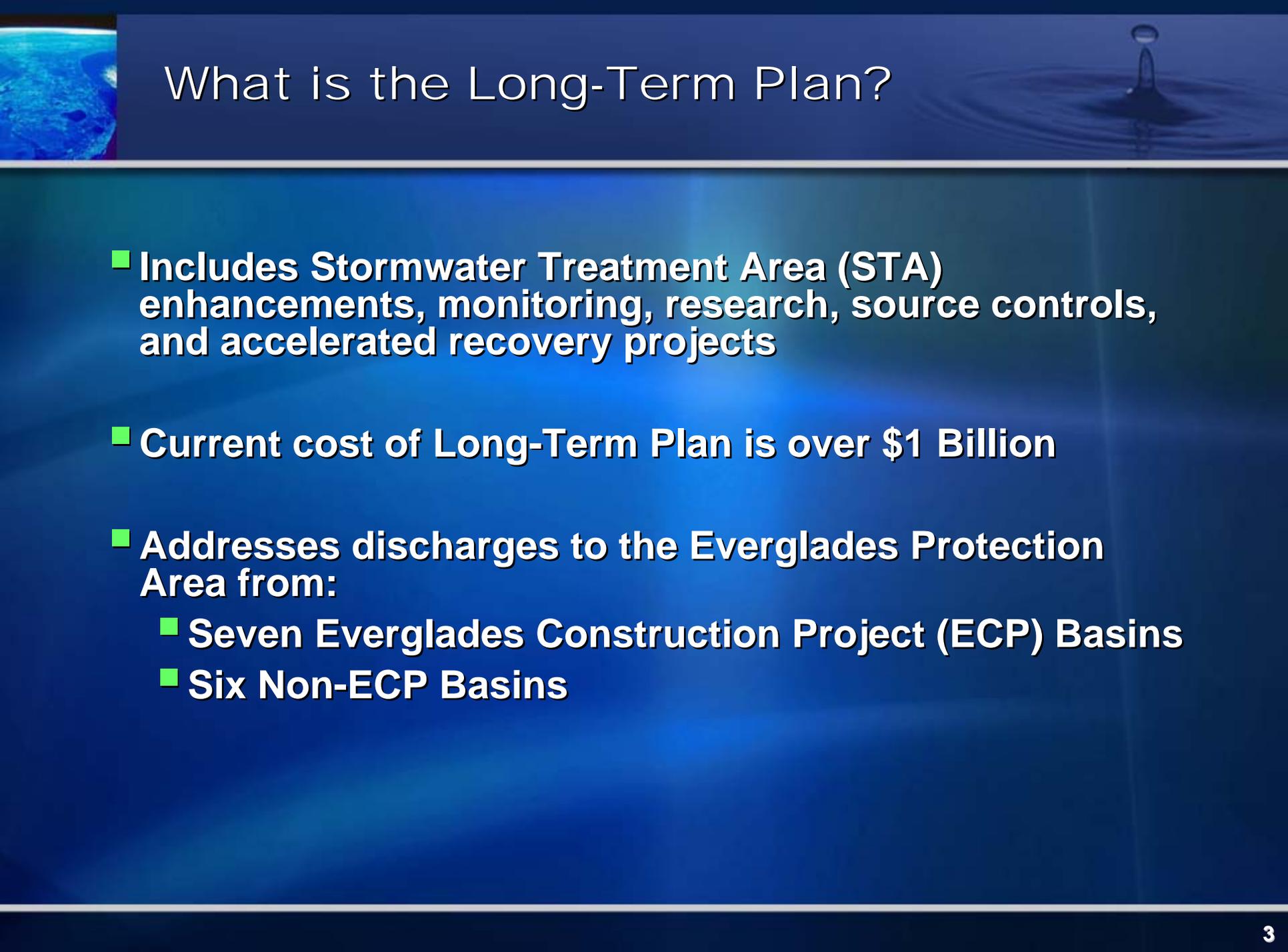
Tracey Piccone, P.E., STA Management Division





What is the Long-Term Plan?

- **State's blueprint for achieving 10 parts per billion (ppb) phosphorus in Everglades**
- **Identified in the 2003 EFA and the Everglades phosphorus rule as Best Available Phosphorus Reduction Technology**
- **Success is predicated upon adaptive implementation**
- **Revision process includes public involvement component**
- **Only Florida Department of Environmental Protection (FDEP) can approve Long-Term Plan revisions**



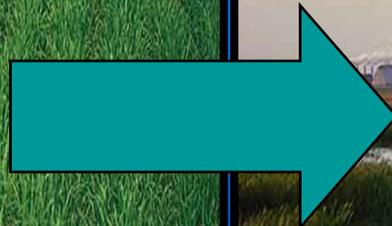
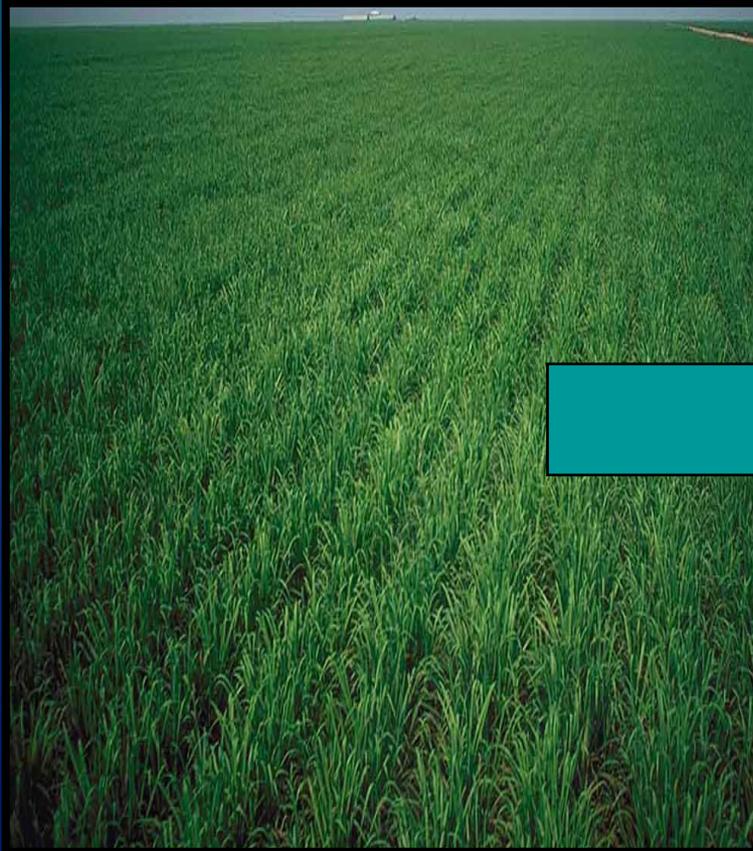
What is the Long-Term Plan?

- **Includes Stormwater Treatment Area (STA) enhancements, monitoring, research, source controls, and accelerated recovery projects**
- **Current cost of Long-Term Plan is over \$1 Billion**
- **Addresses discharges to the Everglades Protection Area from:**
 - **Seven Everglades Construction Project (ECP) Basins**
 - **Six Non-ECP Basins**

Stormwater Treatment Areas

Agricultural Land

Constructed Wetland



Phosphorus Reduction

Stormwater Treatment Area Enhancements

- **Additional compartmentalization through internal levees and associated water control structures**
- **Vegetation management and conversion to more effective communities**
- **Operational refinements to balance flows and phosphorus loads among STA flowways and between STAs**





Sources Controls

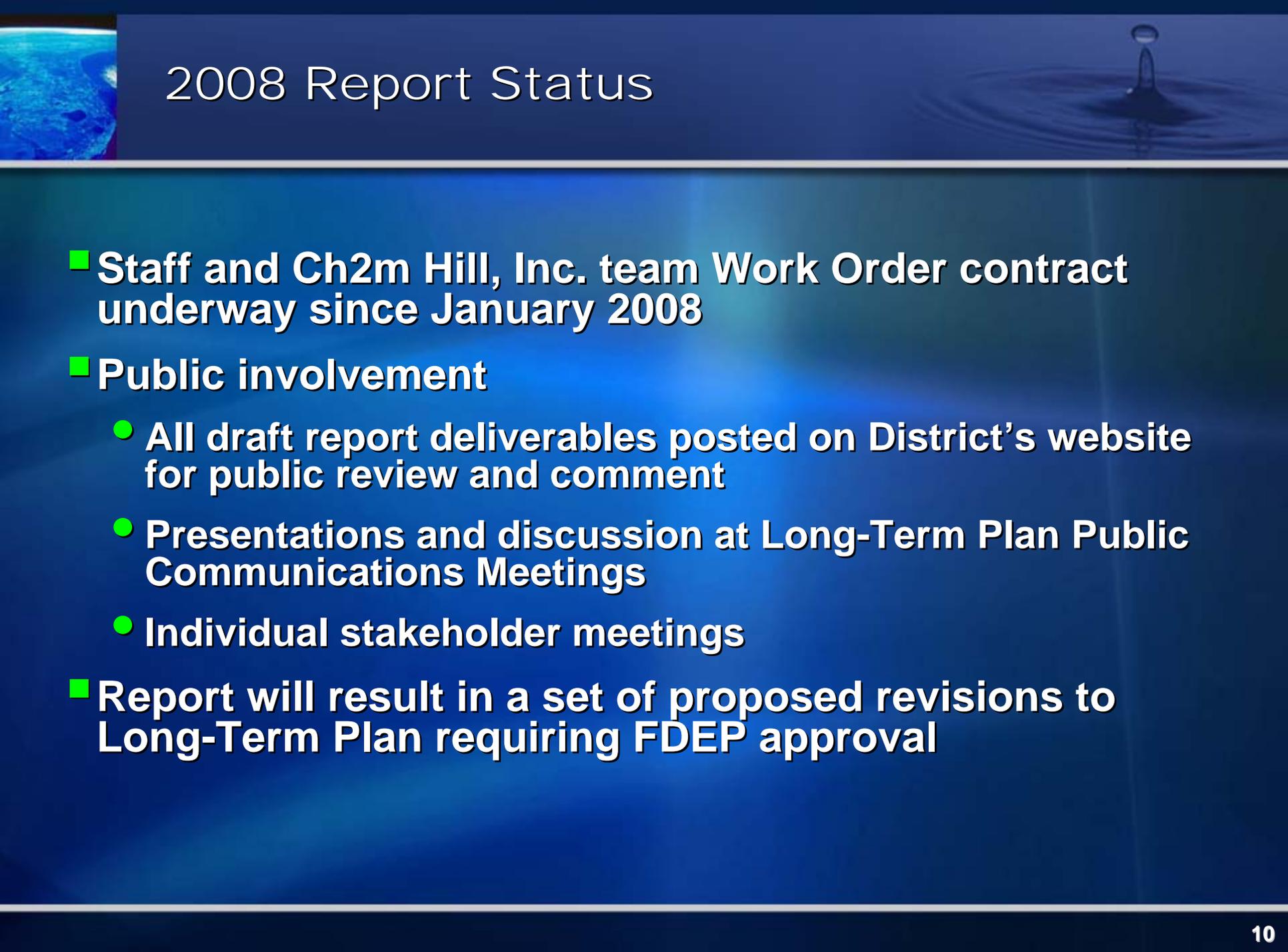
- Existing phosphorus control programs are performing well but additional measures will be needed to achieve compliance with water quality standards
- Identifies opportunities to maintain and improve performance of urban and agricultural source controls
- Funding for source controls research, studies, landowner grants including municipalities, and public outreach

- **STA optimization research**
- **Source controls research**
- **STA operational monitoring for enhanced control**
- **Monitoring in WCAs downstream of STA discharges**
- **Investigation of ways to accelerate recovery of impacted areas in the WCAs**
 - **Prescribed fires**
 - **Herbicides**
 - **Harvesting**



What is the 2008 Report?

- **First 5-year update on status of implementation of the 2003 Long-Term Plan**
- **Separate from South Florida Environmental Report (SFER)**
- **Due to Governor and Legislature no later than December 31, 2008**
- **Simple Description:**
“What have we done so far, what worked, what did not work, and where do we go from here...”



2008 Report Status

- **Staff and Ch2m Hill, Inc. team Work Order contract underway since January 2008**
- **Public involvement**
 - **All draft report deliverables posted on District's website for public review and comment**
 - **Presentations and discussion at Long-Term Plan Public Communications Meetings**
 - **Individual stakeholder meetings**
- **Report will result in a set of proposed revisions to Long-Term Plan requiring FDEP approval**



2008 Report Summary

- **Updated Tributary Basin Data**
 - STA Inflows and Outflows
 - Non-ECP Basin discharges
- **Evaluation of analytical tools**
 - Water quality and hydraulic models
- **Summary of performance of projects completed and underway**
- **Evaluation of Hydropattern Restoration projects**
 - Environmental benefits, impacts, permitability, cost, and schedule
- **Potential recommended plan for Hydropattern Restoration projects**



2008 Report Schedule

- **Draft Report due August 11, 2008**
- **Final Report due September 30, 2008**
- **Governing Board update September Workshop**
- **December Governing Board**
 - **Resolution directing staff to submit 2008 Report to Governor, Legislature and FDEP**