



BCB Flood Protection Level of Service - Project Status

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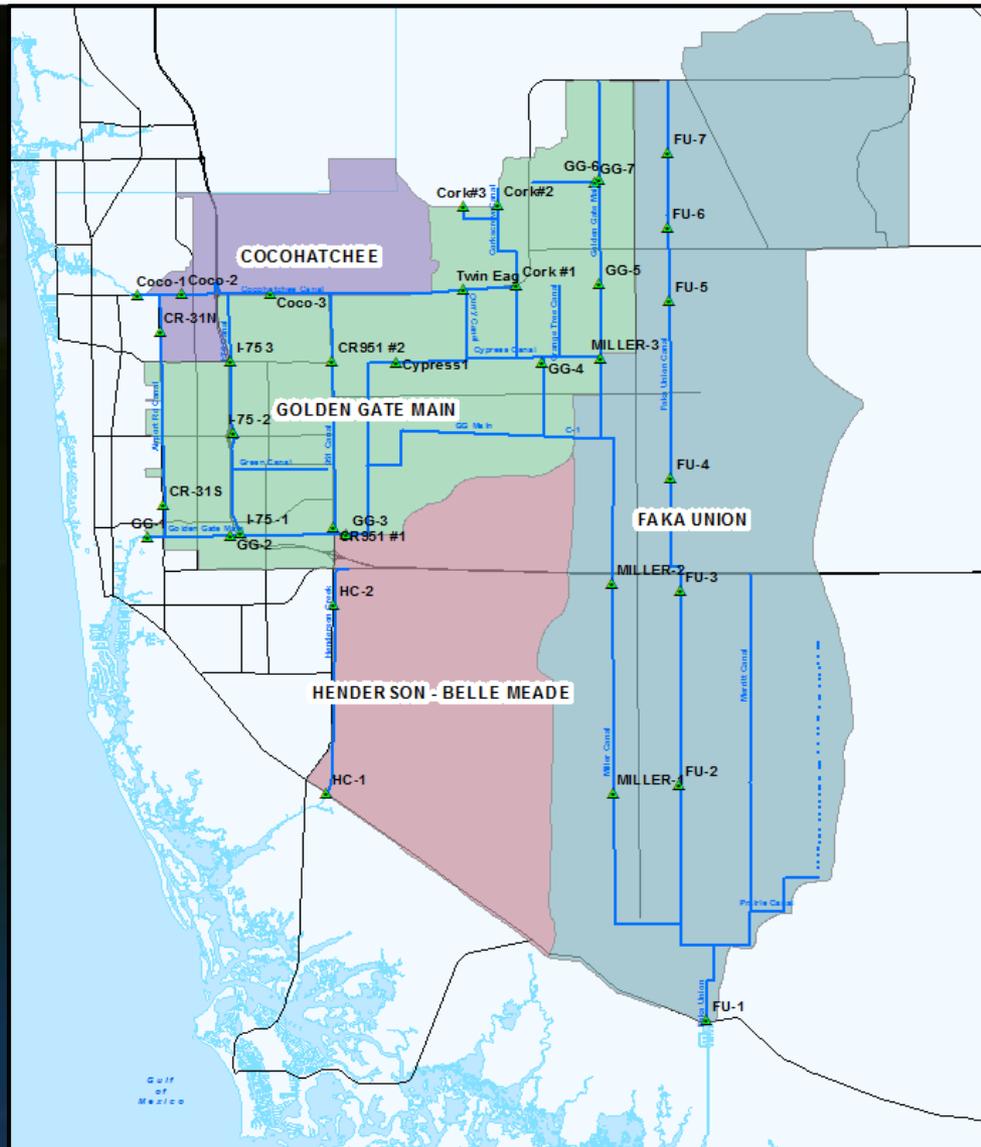
Purpose of BCB LOS Study

- Evaluate the state and performance of BCB water management system
- Identify under-performing structures and canal segments
- Investigate effects of Sea Level Rise on the BCB LOS
- Support BCB Strategic Planning efforts by identifying long term needs of the primary canals & structures

Watersheds For Flood Protection Level-of-Service Study

BCB LOS effort

- Focuses on primary system in four major watersheds
- Will evaluate effects of Land Use changes on LOS
- Will modify and apply existing H&H evaluation tools



Outcome of Scoping Presentations

- Project Approved and Funded in FY16 BCB budget
- Related data collection planned in FY17 budget
- Apply lessons learned from Miami Dade C4 Pilot LOS Study
- Use local firm or firm with local experience where possible

Planned Project Activities

- Develop Basin Atlas
- Modify and calibrate model for flood simulations
- Conduct LOS assessment for Existing Conditions
 - Define current LOS
 - Identify problematic areas
- Conduct LOS assessment for Future Conditions
 - Change in LOS caused by Sea Level Rise
 - Identify problematic structures

Initial Estimated Project Duration and Cost

Project Duration: 12 to 15 months

Estimated Project Cost:

- Contract support for modeling \$250k

SFWMD and BCB Staff will lead the work effort

Current Status

- Staff led activities
 - Issues Identification Completed
 - Select Model and Model Domain Completed
 - Basin Atlas Ongoing
 - Tidal Boundary Conditions Ongoing
- Outsourced In negotiation
 - Model Conceptualization, Testing
 - Model Calibration
 - Scenario runs

Current Challenges

- Project currently behind schedule
- Initial cost estimate from consultants and proposed schedule significantly higher than estimate

Planned Duration and Cost

Project Duration: 18 months

Estimated Project Cost:

- Contract support for modeling \$250k

SFWMD and BCB Staff will lead the work effort and complete the non-modeling tasks

After-Project Activities

- Solution development and strategic plan update
- Coordination with stakeholders and regulators on LOS findings
- Incorporate findings of LOS effort into BCB operational planning.



Questions and Discussion