Loch Haven Chain of Lakes Flood Control and Nutrient Management

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St. Johns River Water Management District



Roadmap

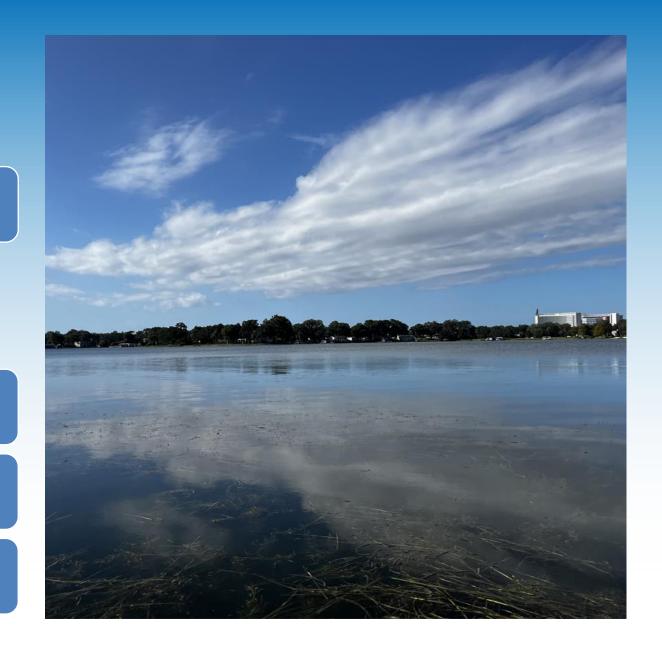
Overview

- Background
- Study phases
- Multi-jurisdictional coordination

Project status

Successes and takeaways

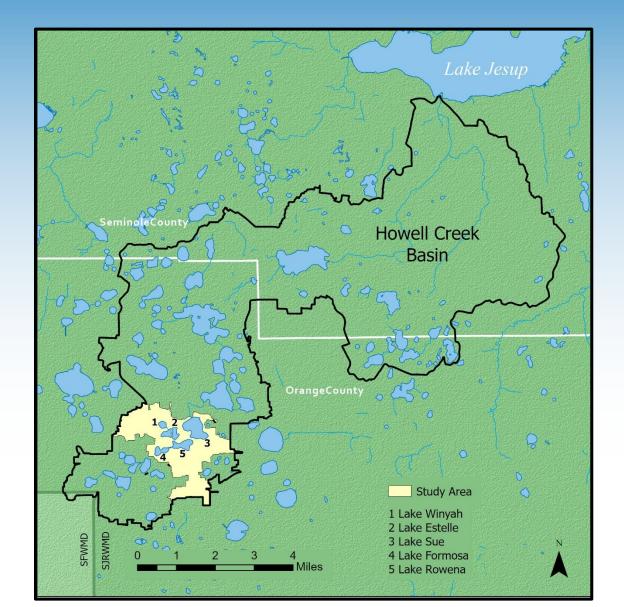
Next steps



Location

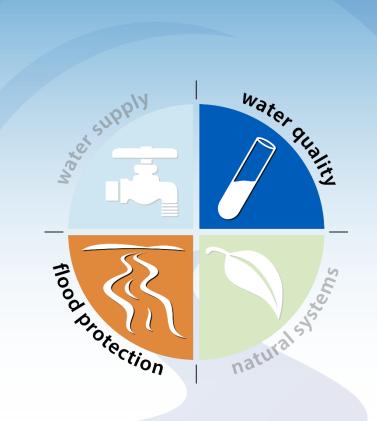
Middle St. Johns River Basin



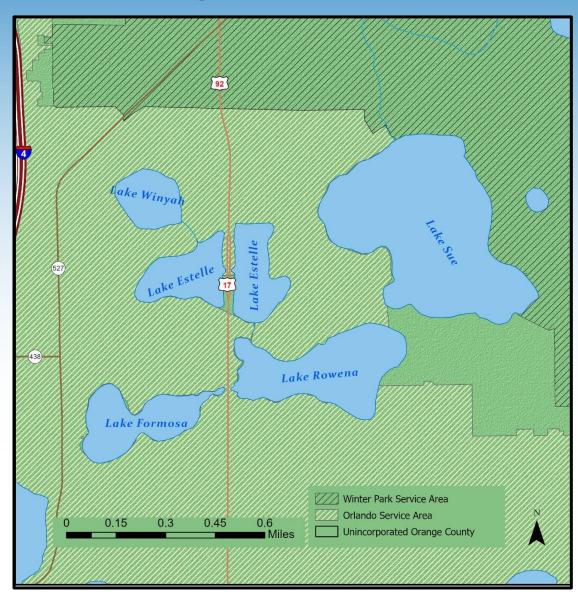


Legislative Appropriation

\$1.35M for Flood Control and Nutrient Management

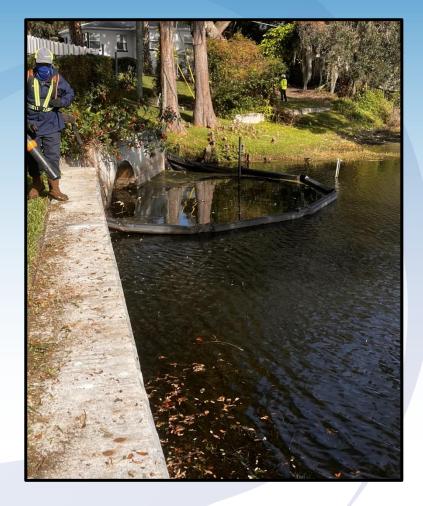


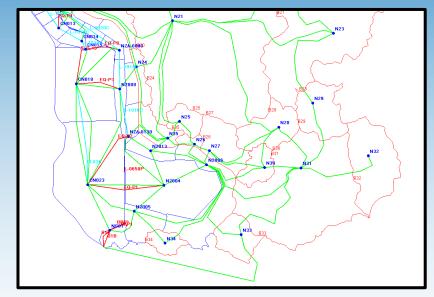




Issues

Water Quality, Flood Protection, Vegetation Management



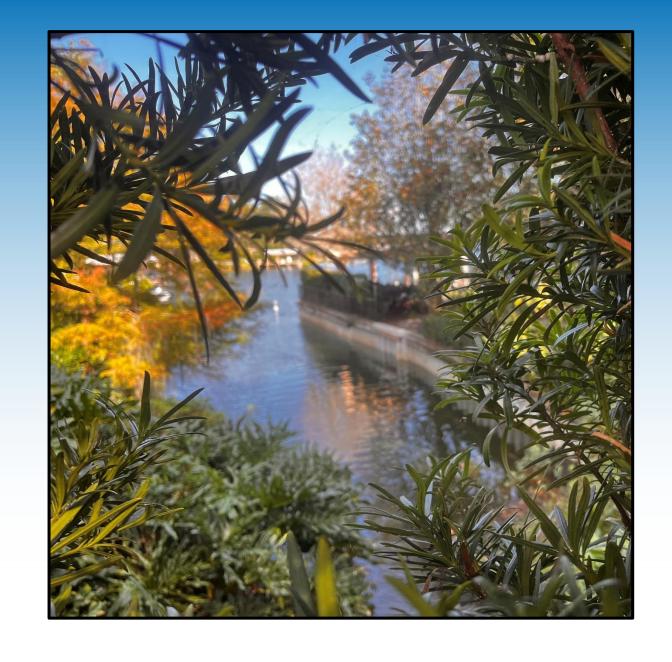






Study Phases

- 1. Data collection and review
- 2. Water quality and flood protection assessment
- 3. Feasibility analysis



Study Phases Data Collection and Review

- Existing data collection and review
- Study area reconnaissance
- Nuisance vegetation assessment





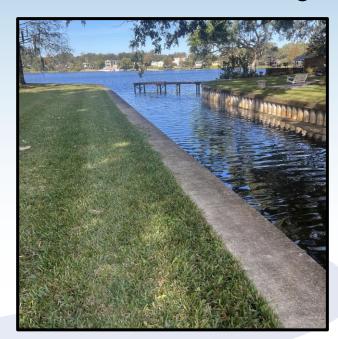




Study Phases

Water Quality and Flood Protection Assessment

- Evaluation of existing stormwater infrastructure
- Nutrient load assessment
- Watershed modeling

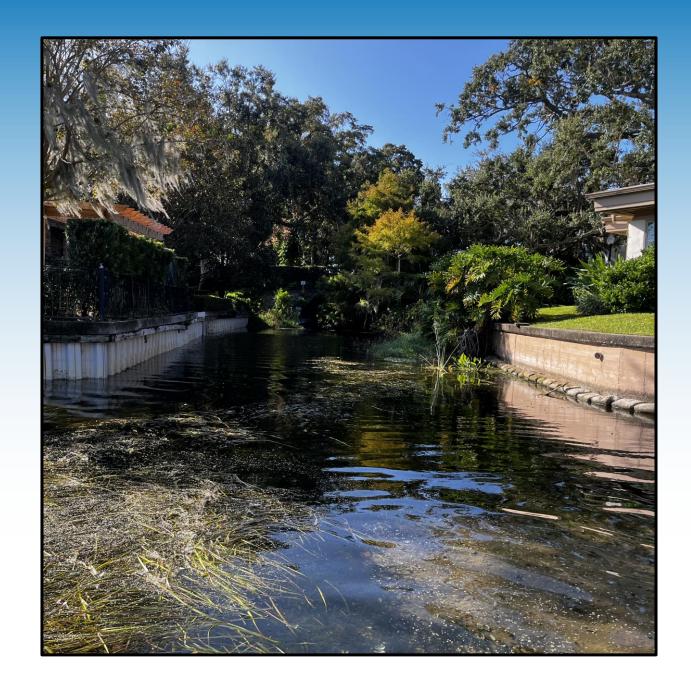




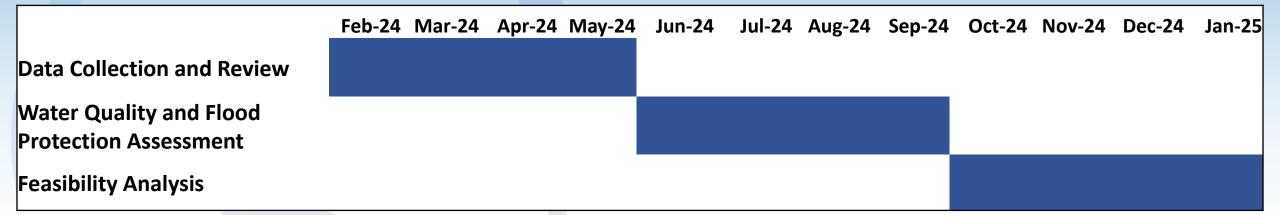


Study Phases Feasibility Analysis

- Project concept identification
- Feasibility assessment
- Final feasibility report with long-term management plan



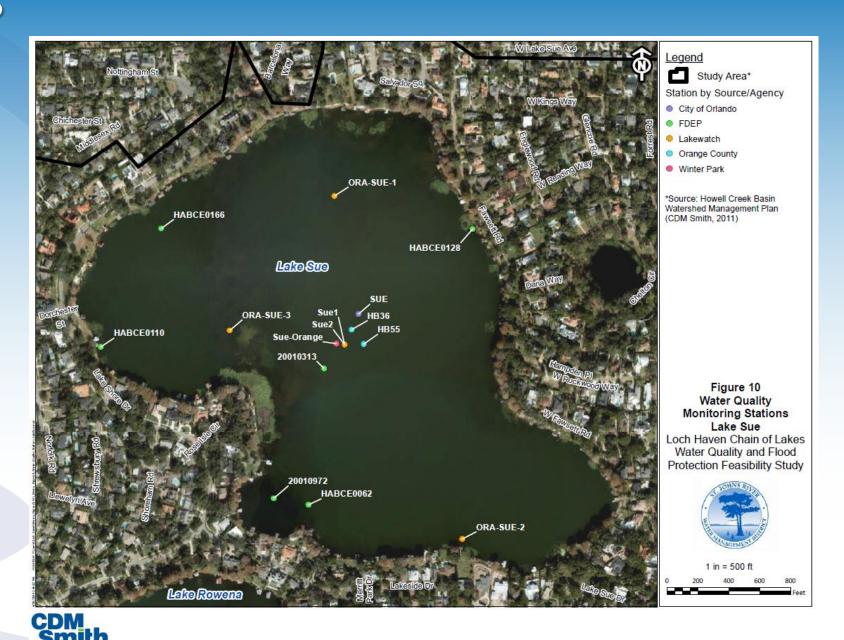
Schedule





Project Status Data Collection

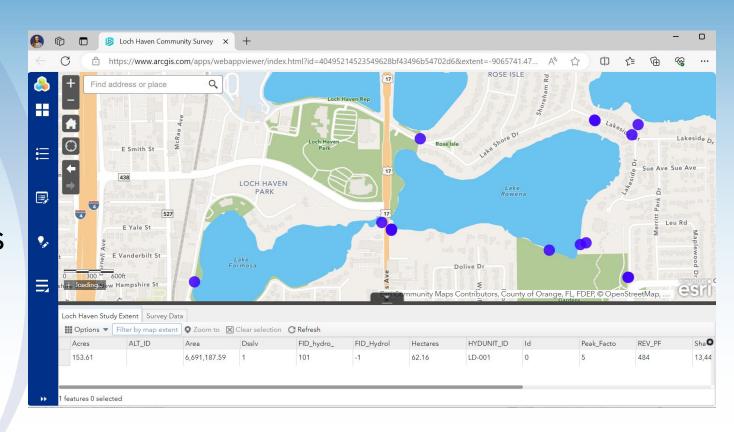
- Methodology and coordination efforts
- Available resources
- Data gap evaluation
- Reconnaissance





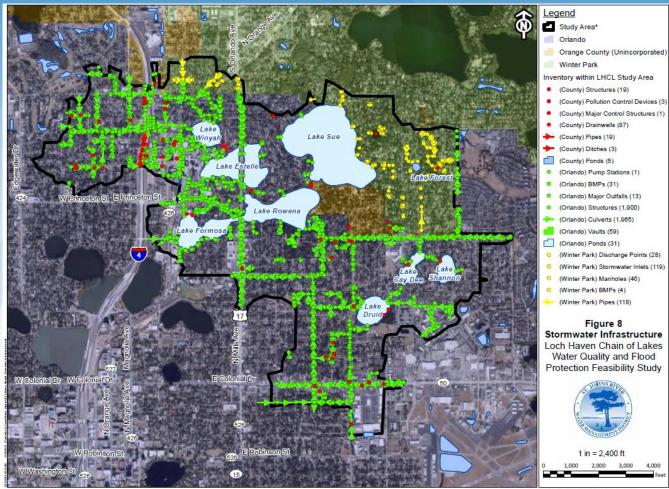
Methodology and Coordination Efforts

- Stakeholder involvement
- Workshops
- Online portal
- Requests and follow-up
- Field visits with stakeholders





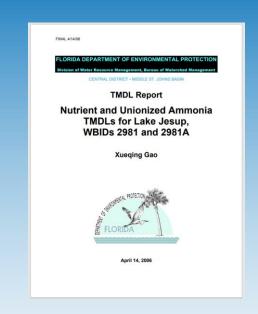
Available Resources

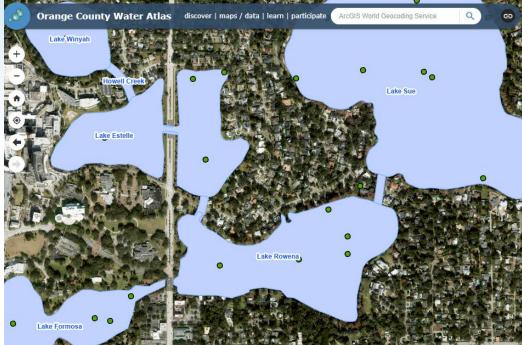


*Source: Howell Creek Basin Watershed Management Plan (CDM Smith, 2011)



LAKE WATER



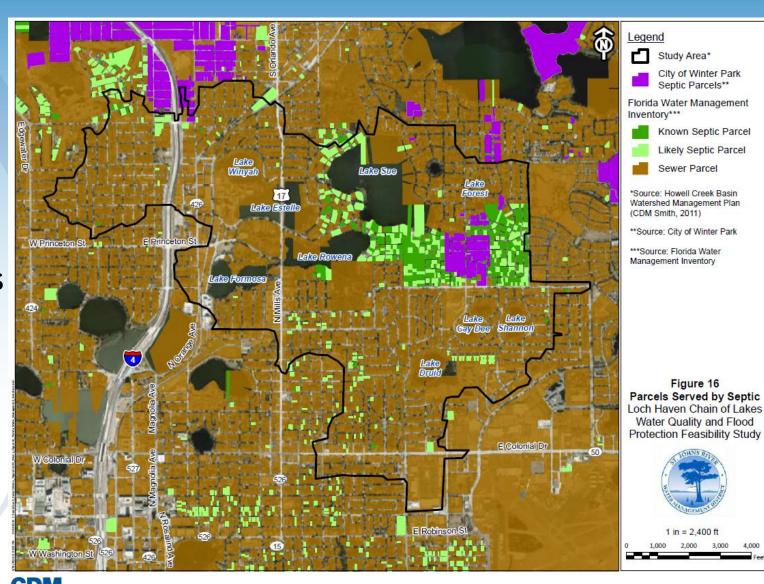






Data Gap Evaluation

- Initial findings
- Key data gaps
 - Known problem areas
 - Planned or ongoing
 Improvements and projects





Reconnaissance





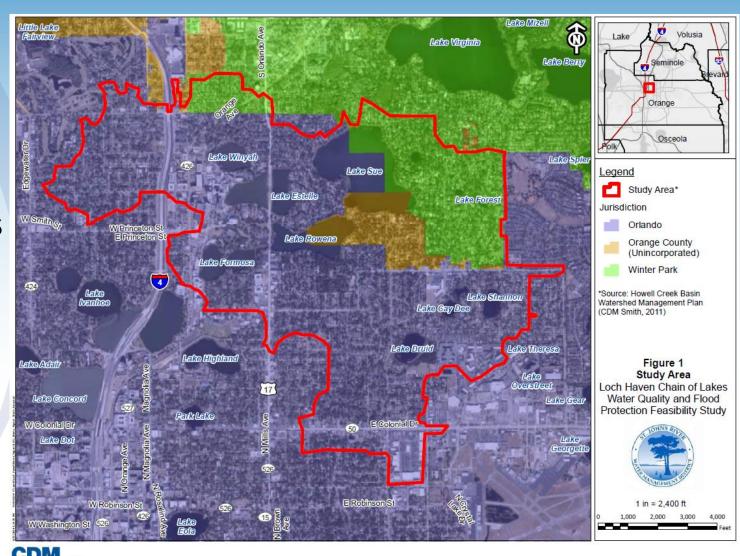


St. Johns River
Water Management District

Multi-Jurisdictional Coordination

Successes and Takeaways

- Scope development
- Factors for success
- Challenges
- Multi-jurisdictional benefits
- Template for future multijurisdictional efforts



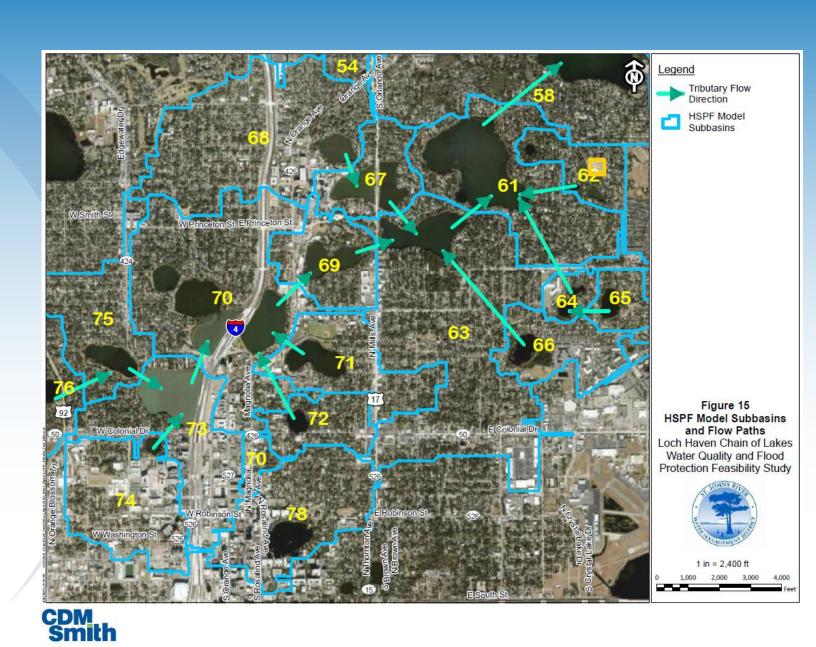


Next Steps

- Potential project identification
- Ongoing data collection
- Water quality and flood protection assessment

Final Feasibility
Assessment is expected in February 2025





Thank you!

