



Florida Department of Environmental Protection

Wekiva River, Rock Springs Run, and Little Wekiva Canal Basin Management Action Plan (BMAP) Onsite Sewage Treatment and Disposal System (OSTDS) Remediation Plan

**Moira R. Homann
April 27, 2016**





Agenda

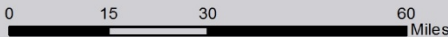
- Elements of the Florida Springs and Aquifer Protection Act.
- Florida Department of Health Activity Update.
- Wekiva River, Rock Springs Run, and Little Wekiva Canal Wastewater/Onsite Sewage Treatment and Disposal System (OSTDS) Remediation Strategy.
- Public Comments and Questions.
- Next Steps and Close Meeting.



Florida Springs and Aquifer Protection Act

- Chapter 2016-1 Laws of Florida.
 - Signed on January 21, 2016.
- Florida Springs and Aquifer Protection Act (Act).
 - Sub-Sections 373.801– 373.813, Florida Statutes (F.S.).
 - Outstanding Florida Springs.





Map ID: Springs
Created: 11-2-2015





Elements of Act

- Delineation of a Priority Focus Area (PFA).
- Local governments within a spring BMAP area must have fertilizer ordinance!
 - *Deadline is July 2017.*
 - Department has model ordinance available.
 - Meets Section 403.9337, F.S.
- OSTDS remediation plan.
 - Focus of this effort.





Elements of Act (cont.)

- Notification to local governments of 10-2 permits.
 - Environmental Resource Permit (ERC) General Permit.
 - Applies within Priority Focus Area (PFA).
- Proposed restrictions within PFAs.
 - Directed to new development.
 - Prohibition on some activities:
 - New domestic wastewater disposal facilities unless they meet treatment requirements.
 - Applies to $\geq 100,000$ gallons per day unless it meets standard of 3 milligrams per liter (mg/L) total nitrogen on an annual basis or better, if needed.
 - BMAP effluent standards apply in these basins.





Elements of Act (cont.)



- Prohibitions, continued:
 - New hazardous waste disposal facilities.
 - Land application of residuals, unless there is an approved nutrient management plan.
 - New OSTDS on lots smaller than 1 acre, IF the specific systems conflicts with an OSTDS remediation plan in a BMAP.
 - New agricultural operations that do not implement best management practices or perform monitoring under an approved plan.



BMAP Requirements

- Additional reporting requirements for BMAPs.
 - 5-year incremental milestones.
 - Detailed project and financial information.
- OSTDS Remediation Plan incorporated into the BMAP.





Questions?





Florida Department of Environmental Protection

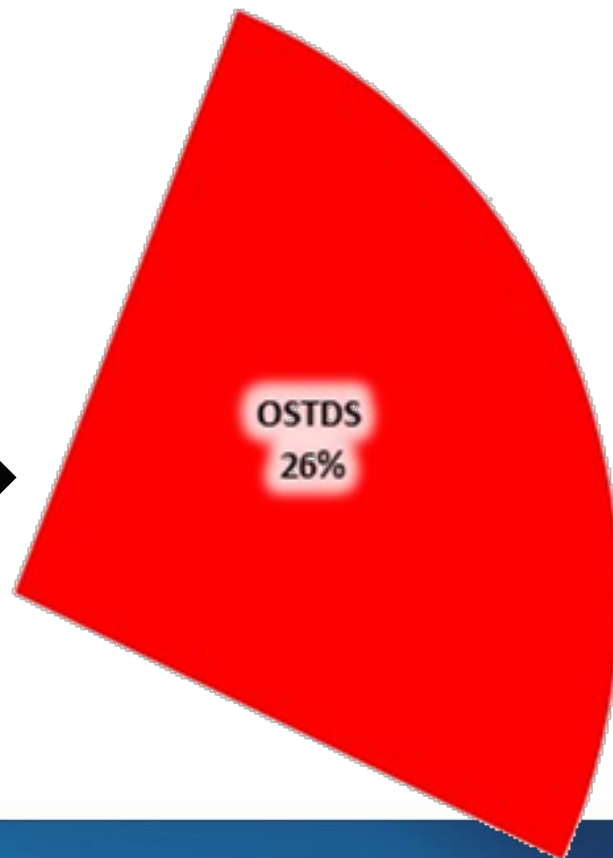
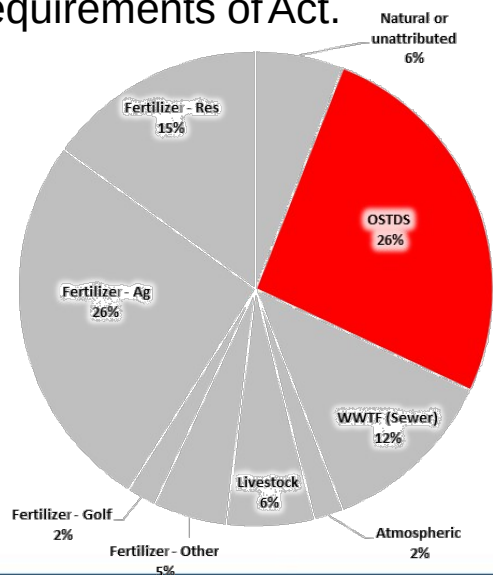
***Wekiva River, Rock
Springs Run, and Little
Wekiva Canal Wastewater
OSTDS Remediation Plan***





Wastewater/OSTDS Plan

- Charge to DEP:
 - Develop an OSTDS remediation plan to achieve total maximum daily load (TMDL) reduction for this source within 20 years.
 - Wastewater/OSTDS Remediation Plan.
 - Basis for charge:
 - Adopted BMAP language.
 - Requirements of Act.
- Effort is limited to OSTDS and wastewater components of MACTEC findings.





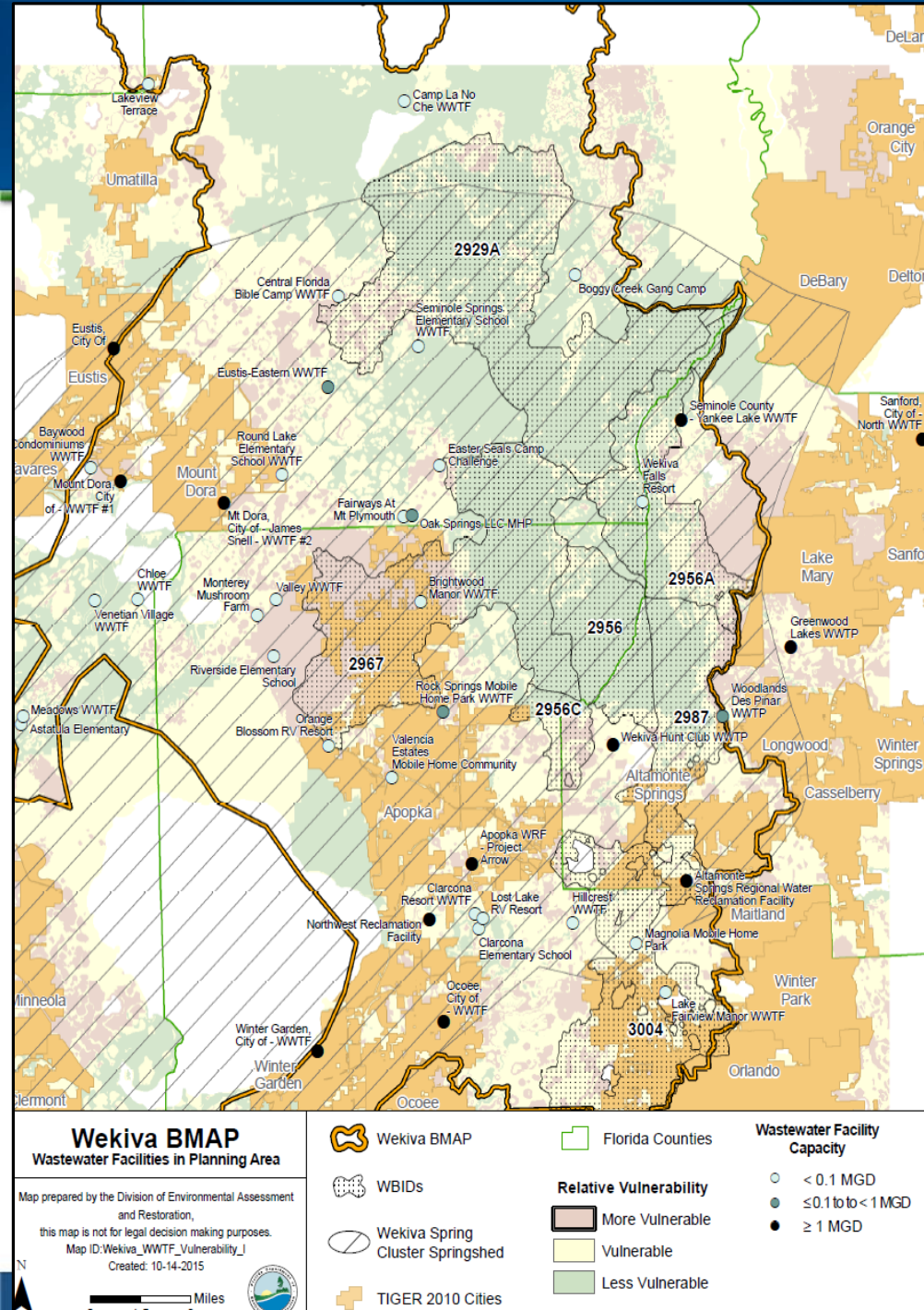
Areas Covered

- Covers Lake, Orange and Seminole Counties.
- Cities:

Name	Name	Name
City of Altamonte Springs	City of Oakland	Town of Astatula
City of Apopka	City of Ocoee	City of Tavares
City of Eustis	City of Orlando	City of Winter Garden
City of Mount Dora	City of Maitland	

Priority Focus Area

- By July 1, 2018 Priority Focus Area (PFA) must be developed
- Wekiva PFA – **TENTATIVE** schedule
 - Draft PFA for comment by 12/2016
 - Final PFA by 02/2017





Deadlines

- BMAP-stated deadlines.
 - Initiate remediation plan development within 3 months of adoption of BMAP.
 - ✓ February 26, 2016 initiation of project (completed).
 - Completion of the OSTDS Remediation Plan within 36 months from initiation.
- Law-specified deadline: July 1, 2018.

We have a lot of work in a short time frame!



Draft 2016 Schedule

	2016			
OSTDS Strategy Development	Q1	Q2	Q3	Q4
Introductory Meeting (February 2016)	X			
Organizational Meeting (April 2016)	X			
First Advisory Committee Meeting		X		
<i>Organizational Meeting</i>		*		
<i>Current BMAP Overview</i>		*		
<i>Sunshine Law</i>		*		
<i>Complete Committee Selection</i>	*	*		
Full Committee Meeting			X	X
Technical Discussions		X	X	X
<i>Technical Reports</i>		*	*	*
<i>Committee Comments</i>			*	*
BMAP Revision				
Local Government Briefings				X
General Public Meetings				



Draft 2017 Schedule

	2017			
OSTDS Strategy Development	Q1	Q2	Q3	Q4
Introductory Meeting (January 2016)				
Organizational Meeting (March 2016)				
First Advisory Committee Meeting				
<i>Organizational Meeting</i>				
<i>Current BMAP Overview</i>				
<i>Sunshine Law</i>				
<i>Complete Committee Selection</i>				
Full Committee Meeting	X	X	X	X
Technical Discussions	X	X	X	X
<i>Technical Reports</i>	*	*	*	*
<i>Committee Comments</i>	*	*	*	*
BMAP Revision				X
Local Government Briefings			X	
Public Meetings	X		X	



Draft 2018 Schedule

	2018			
OSTDS Strategy Development	Q1	Q2	Q3	Q4
Introductory Meeting (January 2016)				
Organizational Meeting (March 2016)				
First Advisory Committee Meeting				
<i>Organizational Meeting</i>				
<i>Current BMAP Overview</i>				
<i>Sunshine Law</i>				
<i>Complete Committee Selection</i>				
Full Committee Meeting	X	X	X	
Technical Discussions	X	X	X	
<i>Technical Reports</i>	*	*		
<i>Committee Comments</i>	*	*		
BMAP Revision	X	X	X	
Local Government Briefings		X		
Public Meetings	X			



Advisory Committee Responsibilities and Duties

- Provide discussion topics/ideas to DEP.
- Advise/provide DEP with opinions or direction on Wastewater/OSTDS Remediation Plan.
- Assist with specialized technical discussions and topics to be researched.
- Provide information back to community leaders, decision makers, and homeowners.
- Not a commitment to provide a specific funding amount.





DRAFT Advisory Committee Makeup

Represents	Nominee
DOH **	Stephanie Daugherty – Lake County Bart Harriss – Orange County Nancy Smith – Seminole County
County **	Kim Ornberg – Seminole County Julie Bortles – Orange County Nicholas Mcray/Mary Hamilton – Lake County
City **	Jessica Schilling – City of Apopka Danielle Marshall/Travis Hollman – City of Altamonte Springs
Private Utilities **	??
Environmental Interest + (Friends of Wekiva, etc.)	Michael D. Cliburn/Jay Exum
HOAs, property owners +	Andrea Samson/Dan Peterson
Other interests +	
Florida Onsite Wastewater Association (FOWA)	Roxanne Groover
Community Development Districts	??
Florida Homebuilder's Association	Doug Buck

*Required by Legislation

+ Per the BMAP

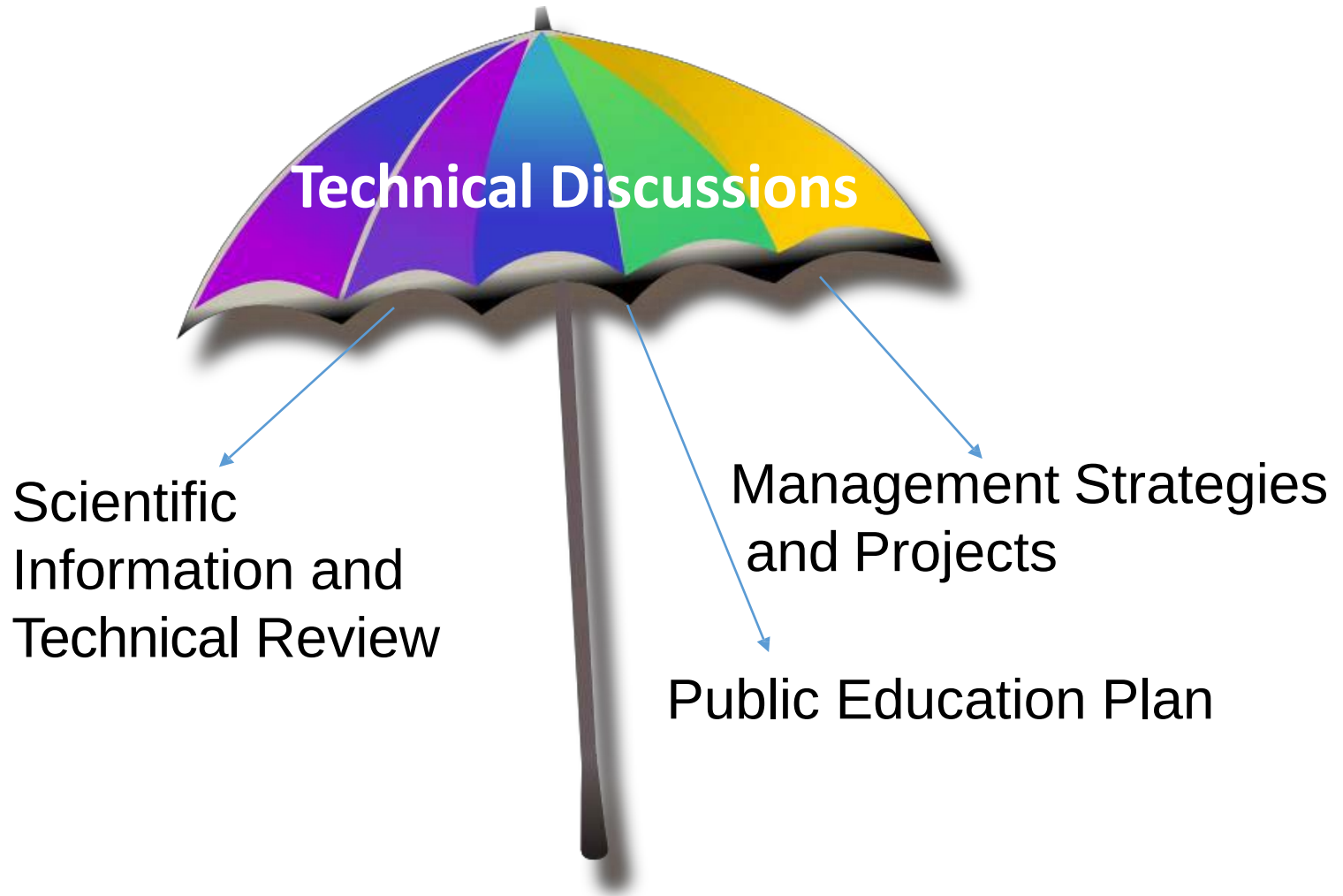


Topics--Advisory Committee Meeting

- Draft first meeting proposed topics:
 - Sunshine Law.
 - Operating procedures.
 - Schedules and timelines.
 - Overview of BMAP.
- Draft second meeting proposed topics:
 - Status of implementation of new effluent standards.
 - What we know about wastewater and OSTDS management in these basins.



Technical Discussions





Technical Discussions

- **Objective 1: Data Collection.**

- Identify, collect, and evaluate existing and any additional data about nutrient impact of wastewater.

- **Objective 2: Analysis and Prioritization.**

- Wastewater remediation plan that includes identification and development of strategies (projects).
- Joint planning and coordination efforts between BMAPs have already been developed.

- **Objective 3: Public Education and Outreach Plan.**

- Provide residents with understandable information about the impacts of nitrogen loading and proper and effective wastewater management.



Public Participation

- Public (nonmember) involvement.
 - Attend Advisory Committee and/or technical meetings and provide comment.
 - Review draft plan and submit comments.
- Second opportunity at general public meetings.
- Word of caution about the Sunshine Law and blogs, editorials, etc.



Deliverables

- Department:
 - Remediation Plan/Strategy.
 - Priority project list.
 - Implementation schedule.
 - Reductions to be achieved.
 - Data needs.
- Advisory Committee/Technical Discussions:
 - Education efforts and needs.
 - Scientific studies (as needed).
 - Report results.



To Do List

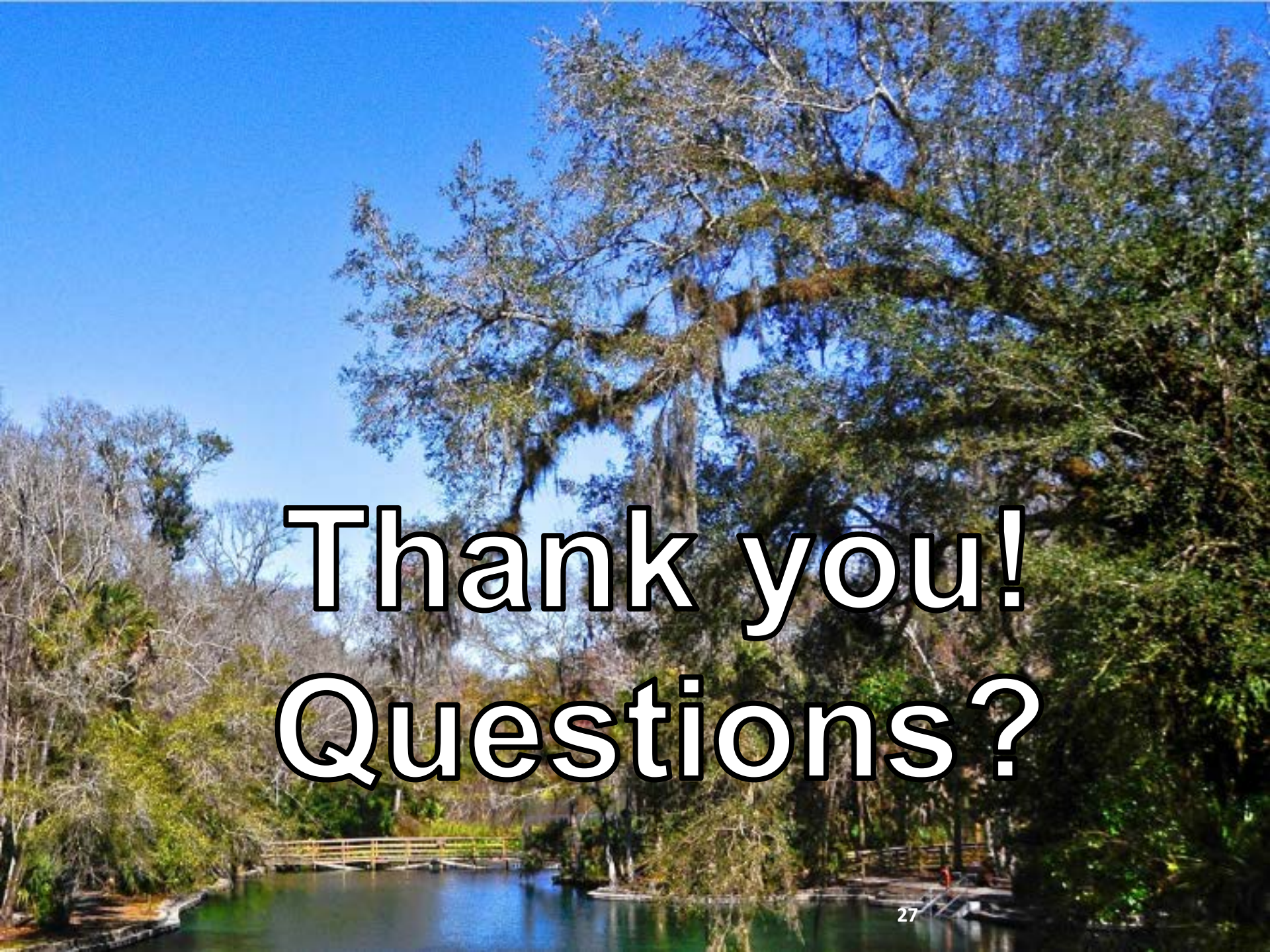
- Finalize membership of Advisory Committee.
- Preparations for first meeting and second meetings.
- Start technical discussions.
 - Mid/Late May.
 - Prepare background material for first Advisory Committee meetings.
- Draft operating procedures for Advisory Committee.



In Summary

- Develop a wastewater/OSTDS Remediation Plan to achieve TMDL reduction for this source within 20 years.
- Limit effort to OSTDS and wastewater components of NSILT sources.
- First full Advisory Committee meeting late June/early July.
- First technical discussion mid/late May.

We have a lot of work in a short time frame!

A scenic view of a pond surrounded by lush green trees and a wooden bridge in the background. The text "Thank you! Questions?" is overlaid in the center.

Thank you!
Questions?



Contacts

- Tom Frick, Director, Division of Environmental Assessment and Restoration, thomas.frick@dep.state.fl.us.
- Kevin Coyne, Administrator, Watershed Planning and Coordination Section, kevin.coyne@dep.state.fl.us.
- Moira Homann, Wekiva River, Rock Springs Run, and Little Wekiva Canal BMAP Coordinator, moira.homann@dep.state.fl.us
- Kenny Hayman, Senior Attorney, kenneth.Hayman@dep.state.fl.us.
- Tiffany Busby, Facilitator/Consultant, tlbusby@wildwoodconsulting.net
- Heather York, Consultant, hyork@wildwoodconsulting.net