



Florida Department of Environmental Protection

Upper Wakulla River and Wakulla Springs Basin Management Action Plan (BMAP) Onsite Sewage Treatment and Disposal System (OSTDS) Remediation Plan

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April 25, 2016





Agenda

- Elements of the Florida Springs and Aquifer Protection Act
- Florida Department of Health Activity Update
- Upper Wakulla River and Wakulla Springs 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.







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

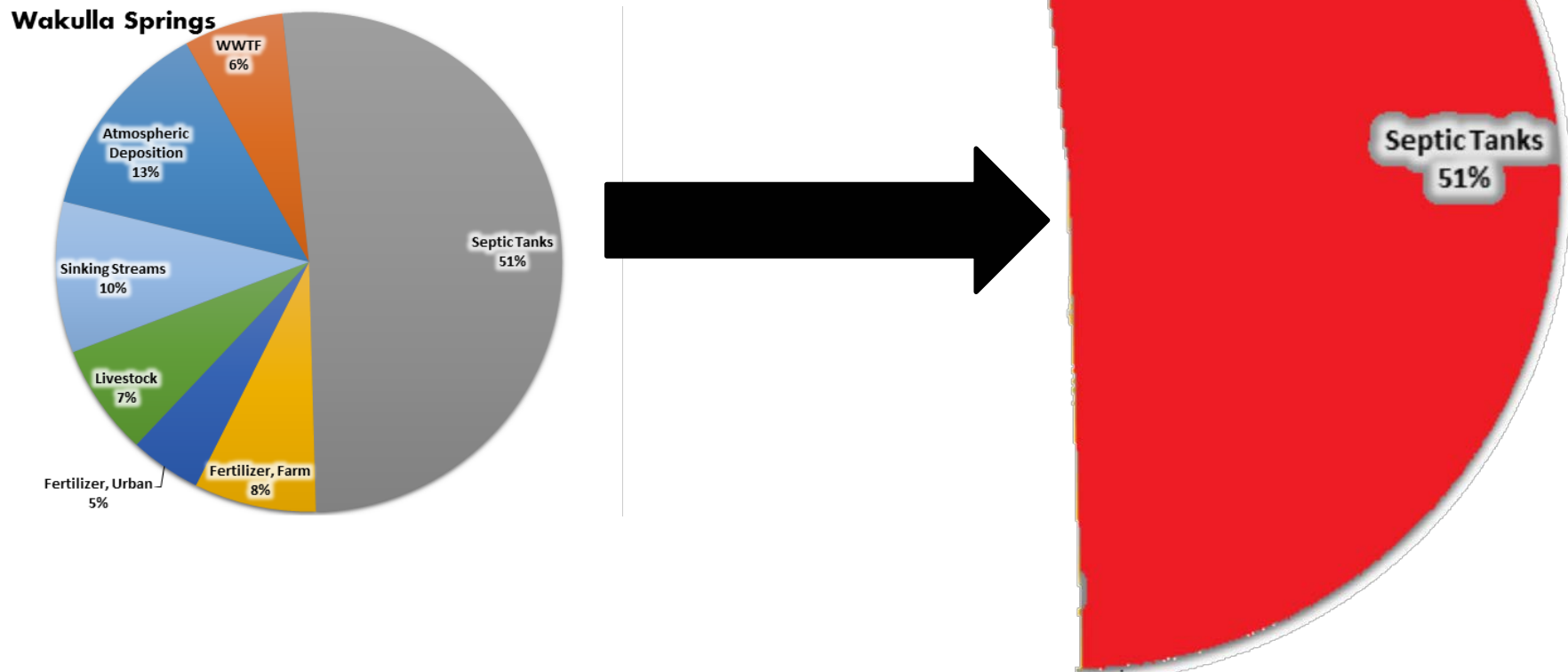
- Additional reporting requirements for BMAPs.
 - 5-year incremental milestones.
 - Detailed project and financial information.
- OSTDS Remediation Plan incorporated into the BMAP.





OSTDS Remediation Plan

This effort is limited to OSTDS and wastewater components of the Nitrogen Source Inventory and Loading Tool (NSILT).





Florida Department of Environmental Protection

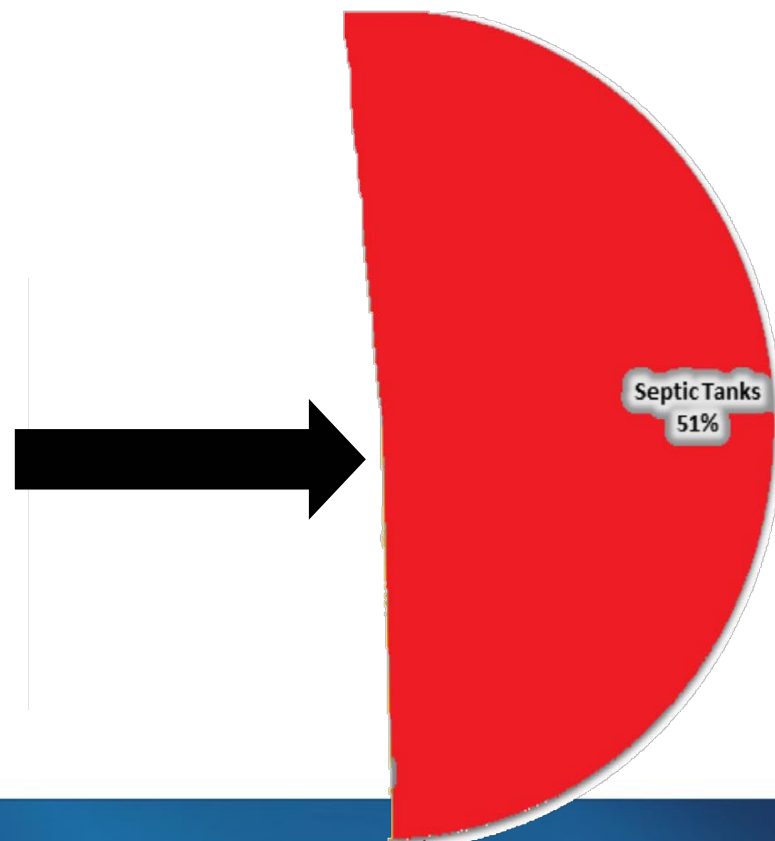
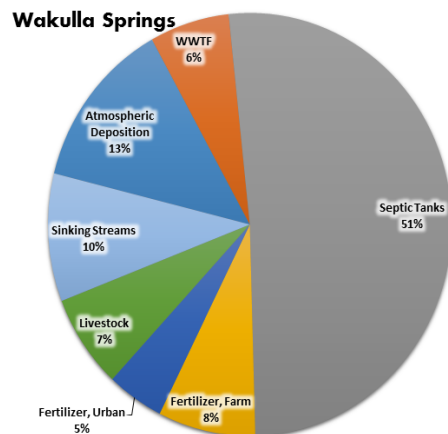
Upper Wakulla River and Wakulla Springs Wastewater OSTDS Remediation Plan



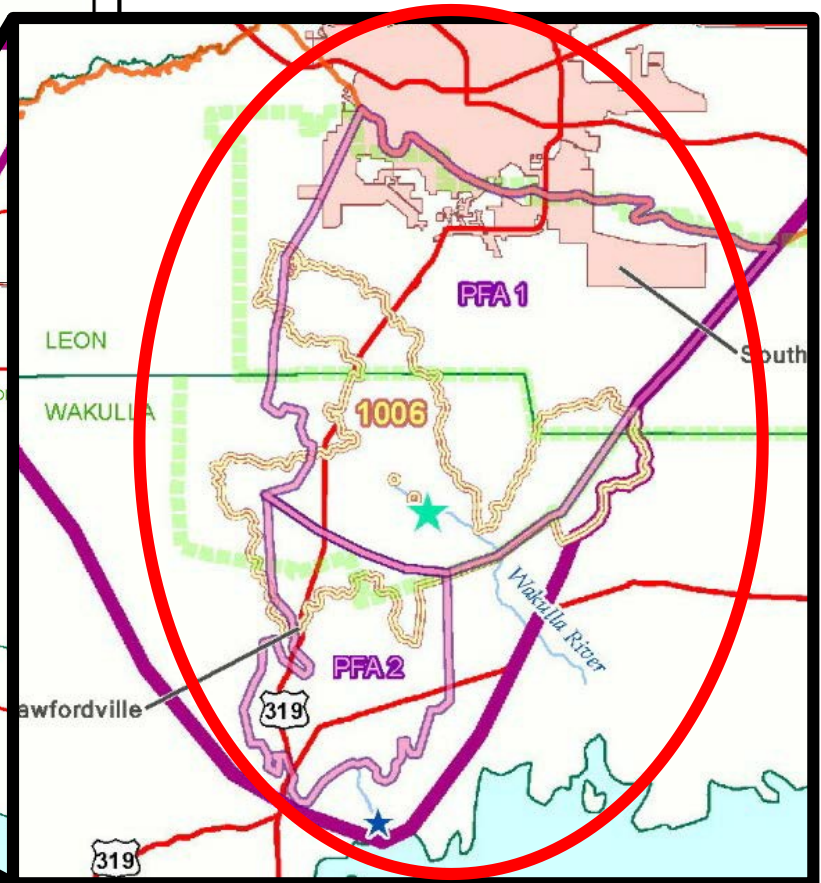
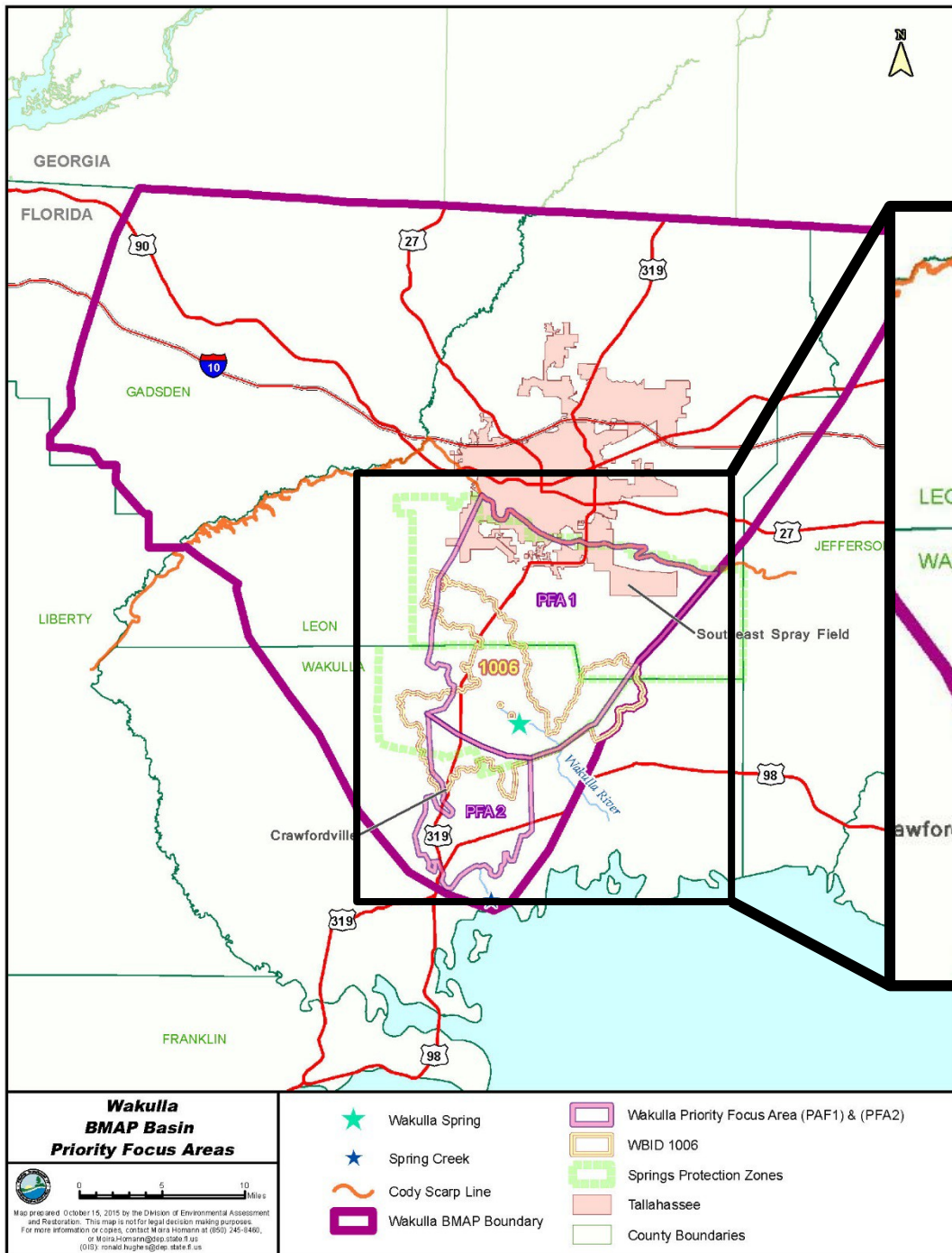


Wastewater/OSTDS Plan

- 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 NSILT sources.



Primary Focus Area



Referred to as Priority Focus Area (PFA) 1 and PFA 2 in the Wakulla BMAP.



Areas Covered

- Covers Leon and Wakulla Counties.
- Private Utilities (Talquin Electric).
- Cities:
 - Tallahassee.
 - Woodville.
 - Crawfordville.



Deadlines

- BMAP-stated deadlines.
 - Initiate remediation plan development within 3 months of adoption of BMAP.
 - ✓ February 22, 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
Department of Environmental Protection (DEP)-Department of Health (DOH) Coordination	X	X	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
DEP-DOH Coordination	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	
DEP-DOH Coordination	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			



***DRAFT* Advisory Committee Makeup**

Represents	Nominee
DOH **	Alex Mahon/Catherine Davis – Leon County Floyd Williams – Wakulla County
County **	Theresa Heiker – Leon County Sheree Keeler/Melissa Corbett – Wakulla County
City **	John Buss/Blaz Gomez – City of Tallahassee
Private Utilities **	John Hallas – Talquin Electric
Environmental Interest + (Friends of Wakulla Springs/Wakulla Springs Alliance, etc.)	Bob Deyle/Bob Henderson
Homeowners Associations (HOAs), property owners +	Curtis Baynes
Community Groups+	Anthony Gaudio

*Required by Legislation

+ Per the BMAP



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.



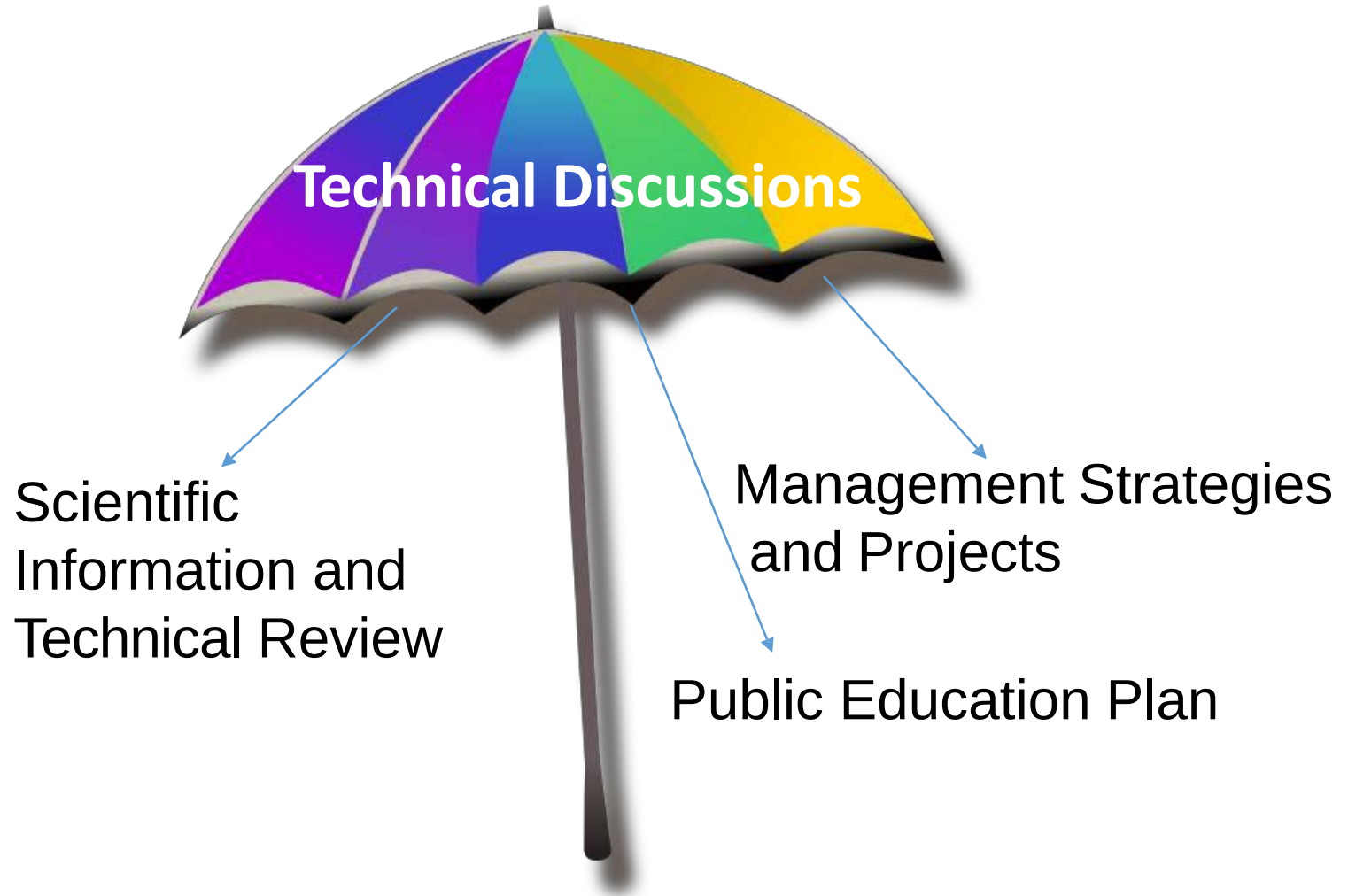


Topics--Advisory Committee Meeting

- 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



Scientific
Information and
Technical Review

Management Strategies
and Projects

Public Education Plan



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.
 - Schedule to implement.
- 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!



Thank you!



Contacts

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