



Florida Department of Environmental Protection

Silver Springs and Rainbow Springs BMAP Meeting March 30, 2016



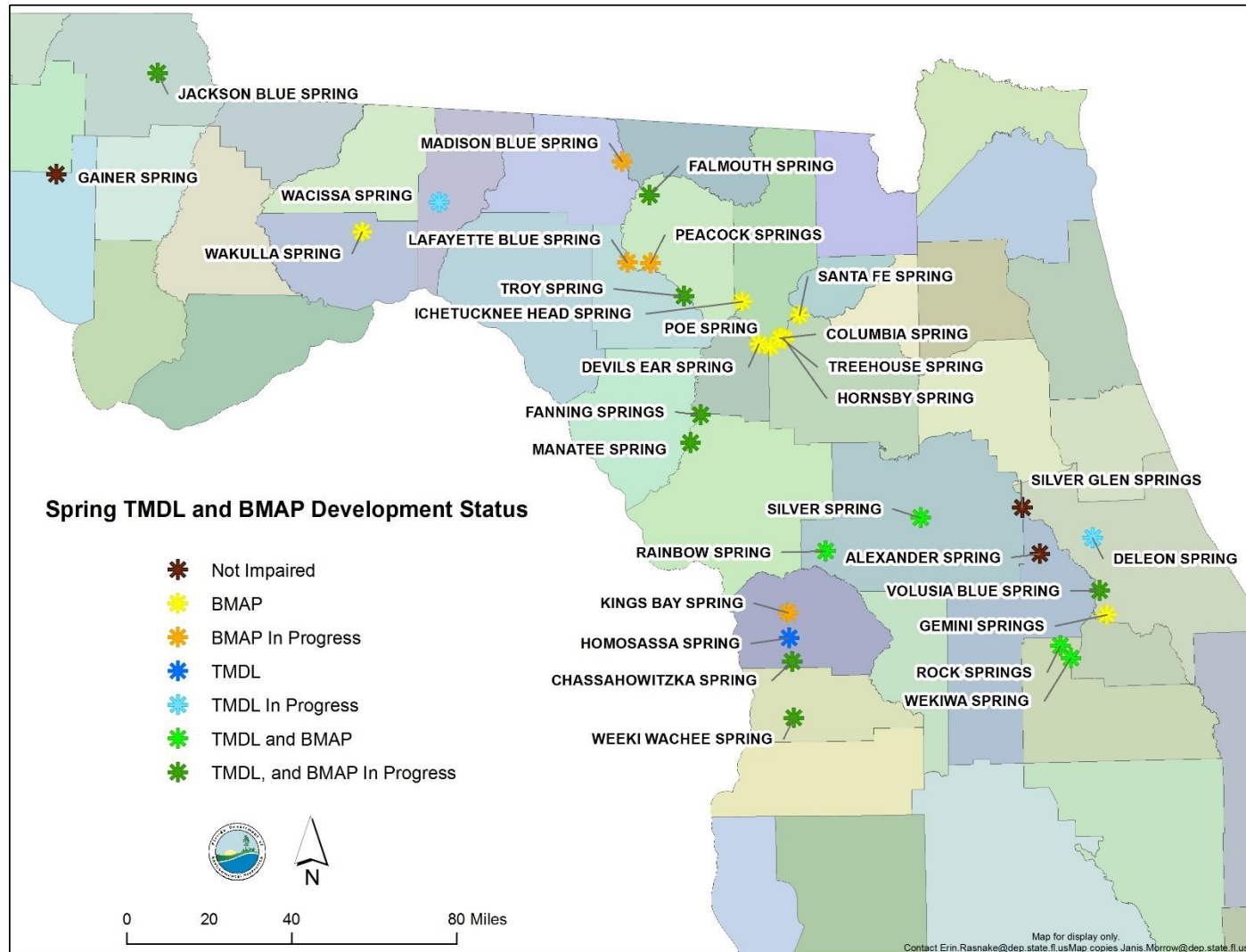


Florida Springs and Aquifer Protection Act

- 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.



Outstanding Florida Springs





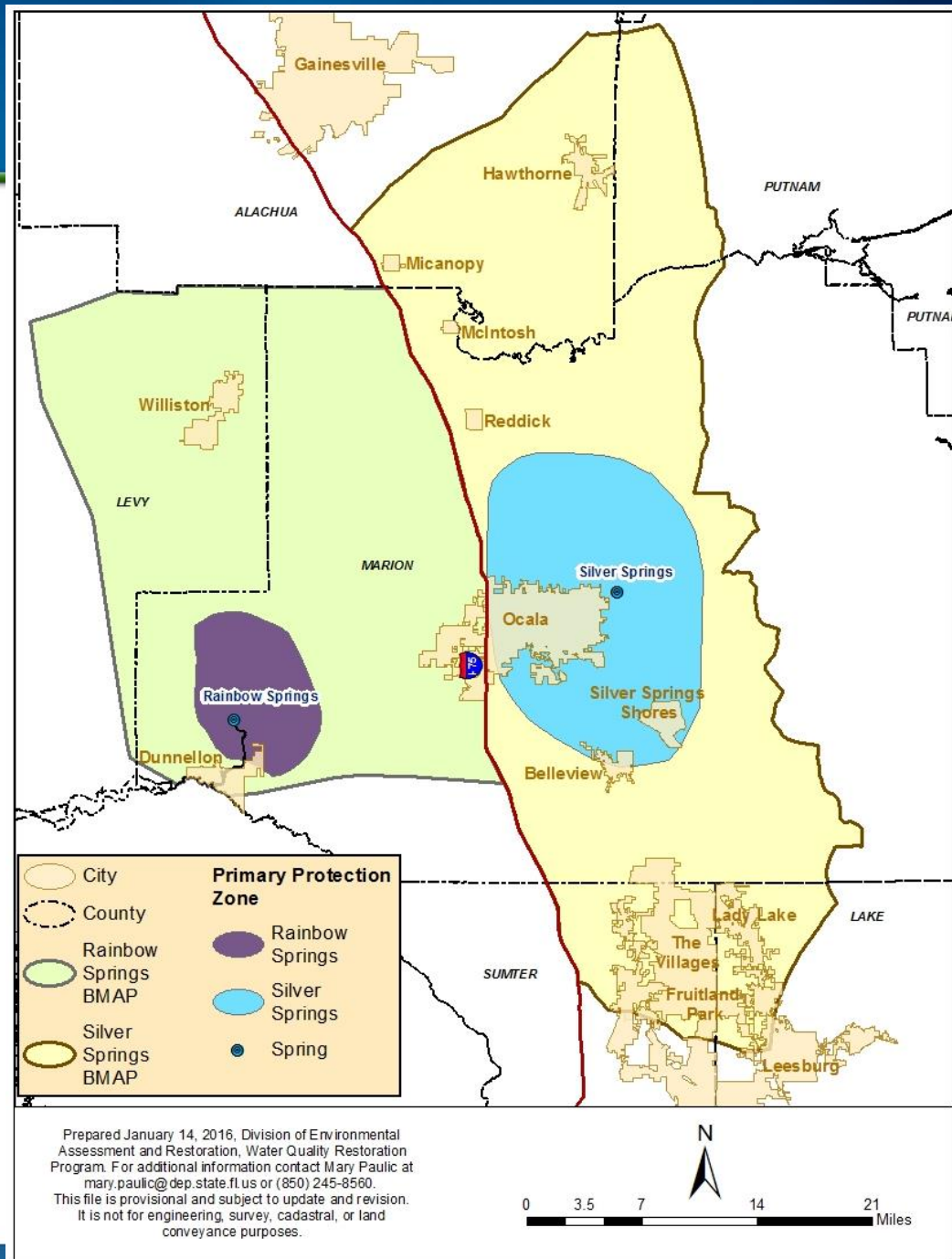
Elements of Act

- Local governments within spring BMAP area must have fertilizer ordinance!
 - *Deadline is July 2017.*
 - Department has model ordinance available.
 - Meets Section 403.9337, F.S.
- Onsite Sewage Treatment and Disposal System (OSTDS) remediation plan.



Primary Focus Area

- Defined in Marion County Springs Protection Ordinance.
- Approximates 10 year time of travel.
- Includes known conduit flow for Silver.





Elements

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



Elements (cont.)

- New hazardous waste disposal facility.
- Land application of residual unless there is 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 agriculture operations that do not implement best management practices or do approved monitoring.



BMAP Requirements

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

Questions?





Florida Department of Environmental Protection

Silver Springs and Rainbow Springs Wastewater OSTDS Plan



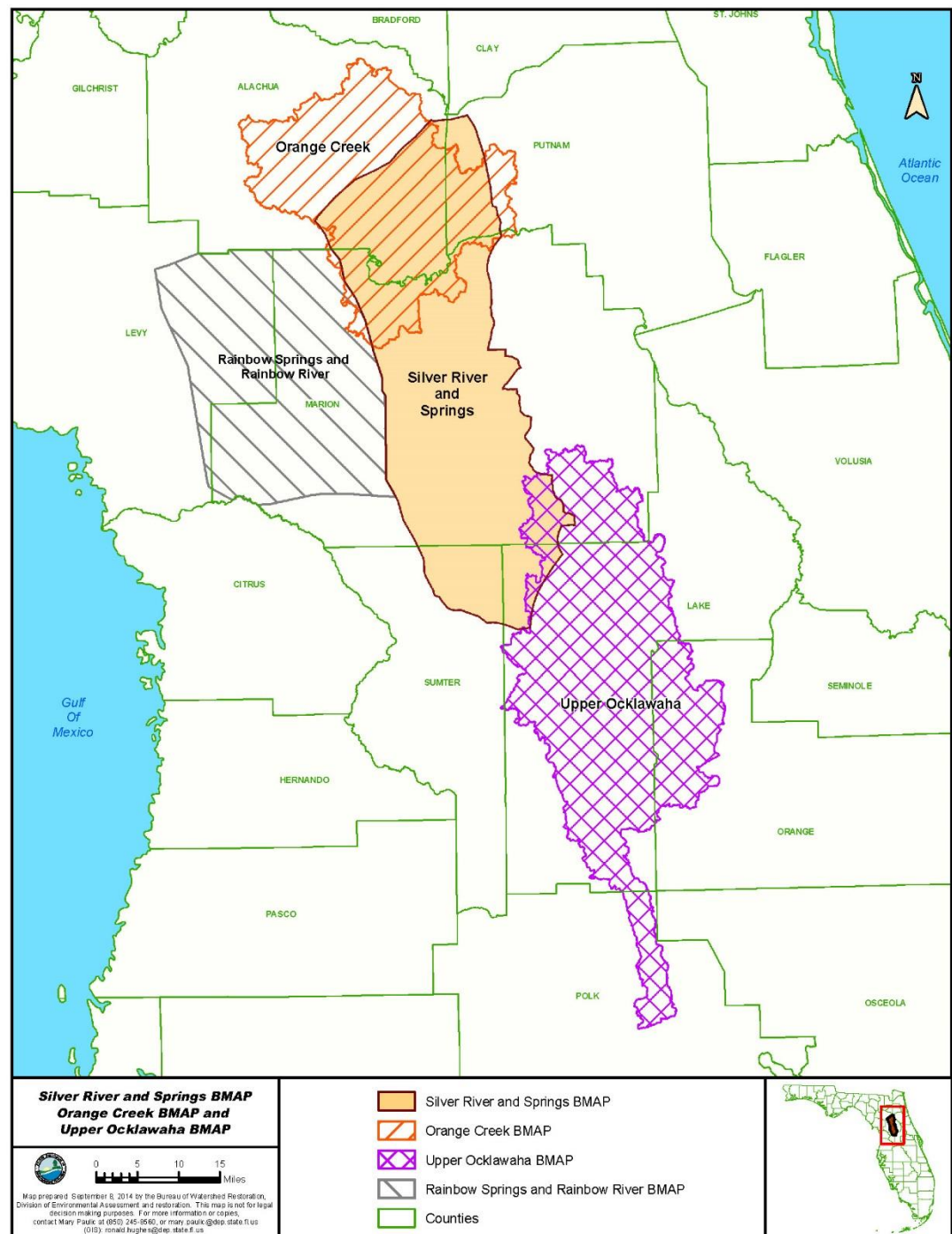


Wastewater/OSTDS Plan

- Charge to the department.
 - Develop an OSTDS remediation plan to achieve TMDL reduction for this source within 20 years.
 - Wastewater/OSTDS Management Plan.
 - Basis for charge:
 - Adopted BMAP language.
 - Requirements of Act.
- Effort is limited to OSTDS and wastewater components of Nitrogen Source Inventory Loading Tool (NSILT) sources.



- *Merges Rainbow Springs and Silver Springs BMAP areas.*





Area Covered

- Covers Marion County and additionally portions of Levy, Lake, Sumter, Putnam, and Alachua counties.
- Private Utilities (limited number).
- Cities and community development districts:

Name	Name	Name
Ocala	Williston	The Villages
Bellevue	Fruitland Park	On Top of the World
Dunnellon	Lady Lake	Reddick
Hawthorne	McIntosh	Micanopy
Bronson		



Deadlines

- BMAP stated deadline.
 - Initiate plan development within 3 months of adoption of BMAP.
 - January 21, 2016 initiation of project.
Complete.
 - Completion within 30 months from initiation.
- Law specifies deadline of July 1, 2018.
- *We have a lot of work in a short time frame!*



Draft General Schedule

	2016			
OSTDS Strategy Development	Q1	Q2	Q3	Q4
Introductory Meeting (January 2016)	X			
Organizational Meeting (March 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
<i>DEP-DOH Coordination</i>	X	X	X	X
Technical Group(s) Formed		X		
Technical Discussions		X	X	X
<i>Technical Group Reports</i>		*	*	*
<i>Committee Comments</i>			*	*
BMAP Revision				
Local Government Briefings				X
Public Meetings				



Draft Schedule 2017

	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 Group(s) Formed				
Technical Discussions	X	X	X	X
<i>Technical Group Reports</i>	*	*	*	*
<i>Committee Comments</i>	*	*	*	*
BMAP Revision				X
Local Government Briefings			X	
Public Meetings	X		X	



Draft Schedule 2018

	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 Group(s) Formed				
Technical Discussions	X	X	X	
<i>Technical Group 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 Management 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 specific funding amount.



***DRAFT* Advisory Committee Makeup**

Represents	Nominee
DOH *	County level staff
Marion County *	Marion County Commissioner
Belleview *	Bruce Phillips, Public Works Director
Ocala *	Jeff Halcomb, Water Resource Director
Dunnellon *	?
On Top of the World *	Bryan Schmalz
Environmental Interest Rainbow Springs	Burt Eno, Rainbow River Coalition
Environmental Interest Silver Springs	Russ Melling, Oklawaha Valley Audubon
Florida Home Builders	Robert Himschoot
HOAs, property owners (1)	?

* Required by law

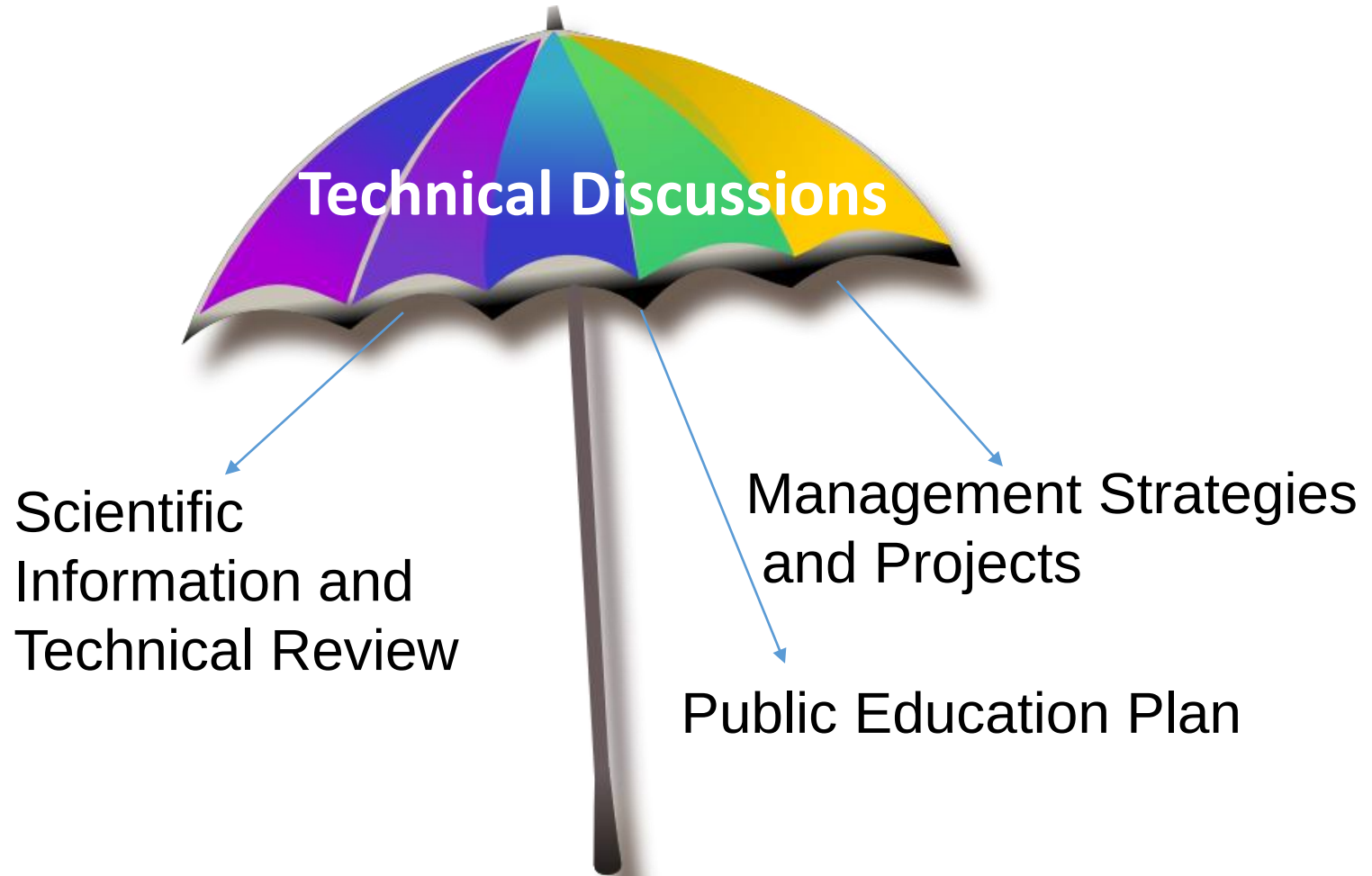


Advisory Committee Meeting Topics

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



Technical





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 management 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 technical meetings and provide comment.
 - Review draft plan and submit comments.
- Second opportunity at public meetings.
- Word of caution about the Sunshine Laws and blogs, editorials, etc.



Deliverables

- Management Plan/Strategy.
 - Priority project list.
 - Implementation schedule.
 - Reductions to be achieved.
 - Data needs.
- Education Efforts and Needs.
- Scientific Studies (as needed).
 - Report results
- Schedule to implement.



To Do List

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



In Summary

- Develop a wastewater/OSTDS Management Plan to achieve TMDL reduction for this source within 20 years.
- Limit effort to OSTDS and Wastewater components of NSILT sources.
 - Combined Silver Springs and Rainbow Springs effort.
- First full Advisory Committee meeting late May – early June.
- First Technical discussion late April – early May.



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



Questions?



Contacts

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