



City of
ALACHUA
THE GOOD LIFE COMMUNITY

Commission Agenda Item

MEETING DATE: July 22, 2013

SUBJECT: Suwannee River Water Management District Presentation

AGENDA SECTION: Special Presentations

DEPARTMENT: Deputy City Clerk

PREPARED BY: Charmagne Manning, CMC, Assistant Deputy City Clerk

RECOMMENDED ACTION: Accept Presentation

Summary

A request for presentation was received from Communications Specialist Vanessa Fultz of the Suwannee River Water Management District. Executive Director Ann Shortelle will provide a presentation on the development of minimum flows and levels for the lower Santa Fe and Ichetucknee rivers and springs. The presentation will provide an overview on how efforts will impact the area.

ATTACHMENTS: Special Presentation

REVIEWED BY CITY MANAGER:



Minimum Flows and Levels Results for the Lower Santa Fe and Ichetucknee Rivers and Priority Springs

Ann B. Shortelle, Ph.D.
Executive Director
July 22, 2013



Minimum Flows and Levels

- Determines how much water is needed to maintain the health of rivers, springs, lakes and aquifers.
- “The minimum flow for a given watercourse shall be the limit at which further withdrawals would be significantly harmful to the water resources or ecology of the area.”



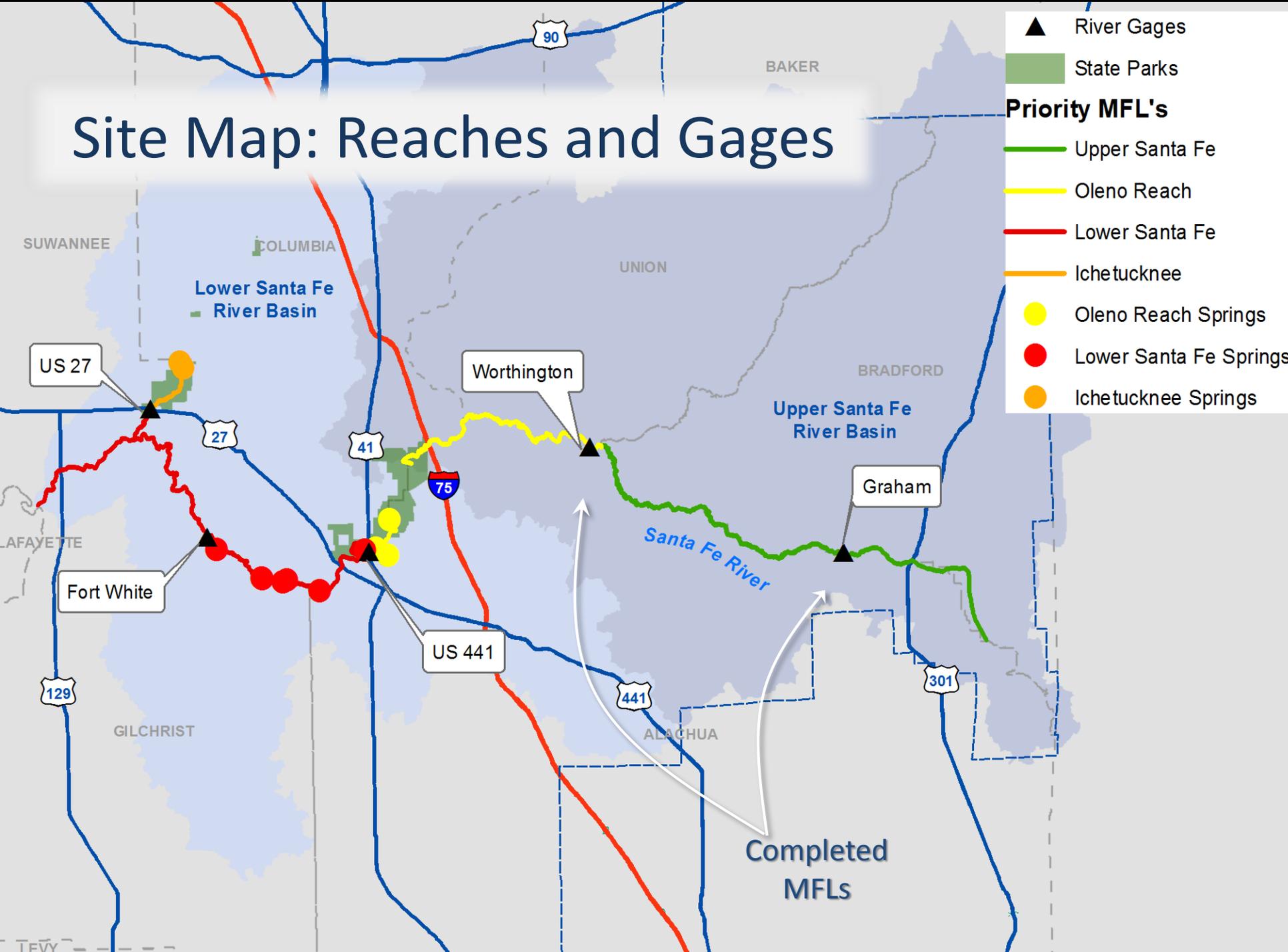


Minimum Flows and Levels Environmental Values

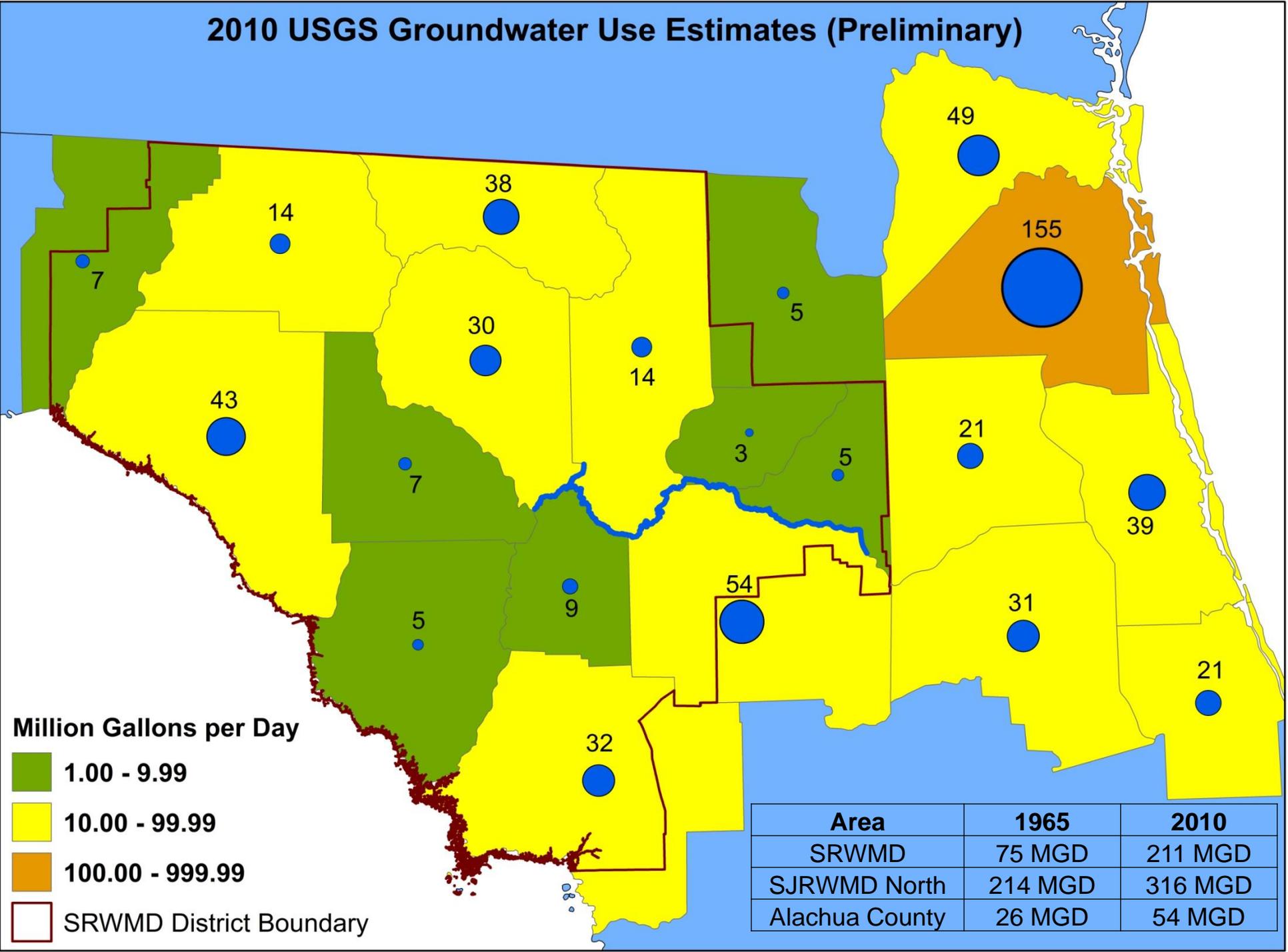
- Recreation
- Fish and wildlife habitats and passage of fish
- Estuarine resources
- Detrital transfer
- Freshwater storage and supply
- Aesthetic and scenic attributes
- Pollutant filtration and adsorption
- Sediment
- Water quality
- Navigation



Site Map: Reaches and Gages



2010 USGS Groundwater Use Estimates (Preliminary)



Million Gallons per Day

1.00 - 9.99

10.00 - 99.99

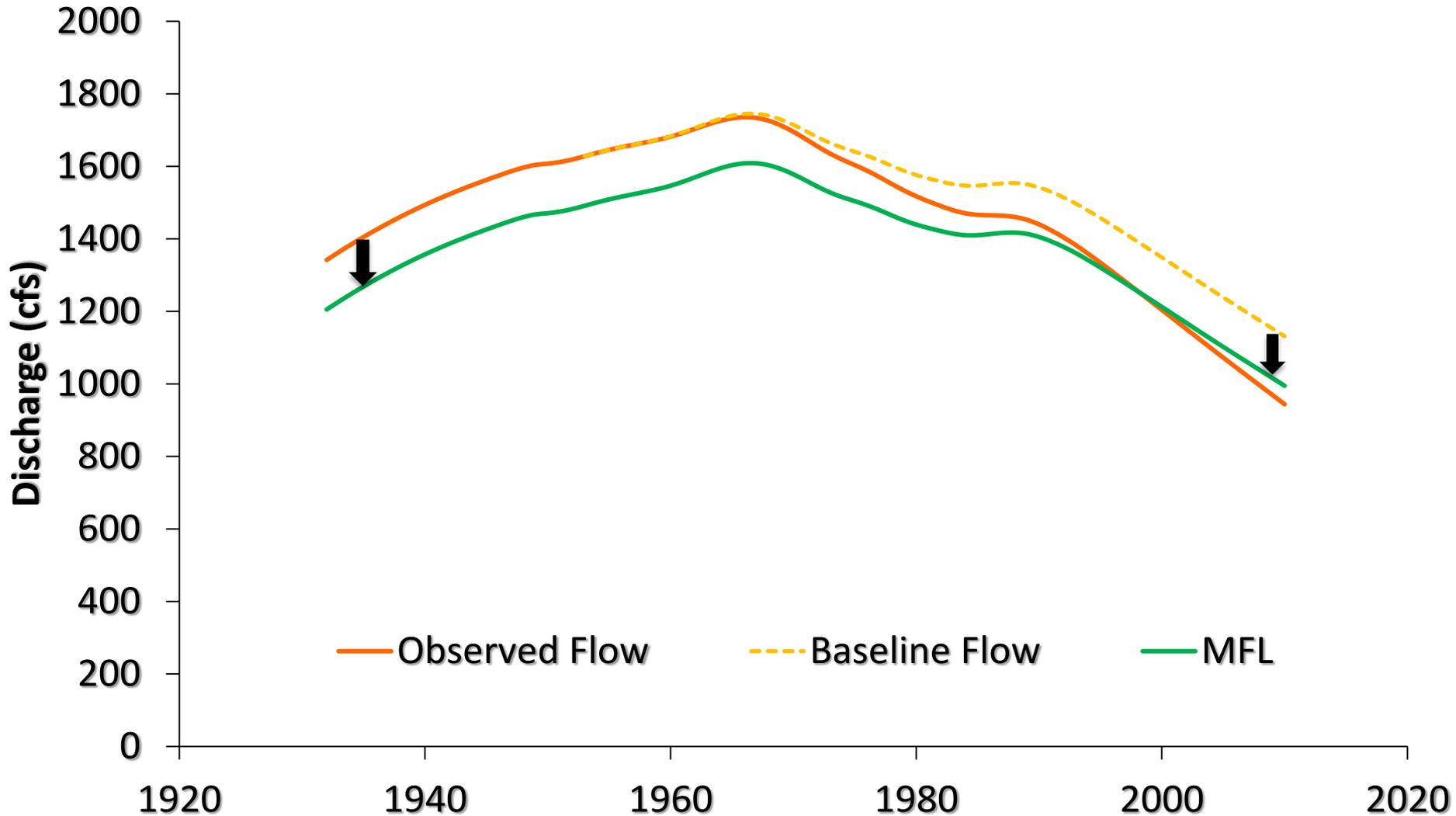
100.00 - 999.99

SRWMD District Boundary

Area	1965	2010
SRWMD	75 MGD	211 MGD
SJRWMD North	214 MGD	316 MGD
Alachua County	26 MGD	54 MGD

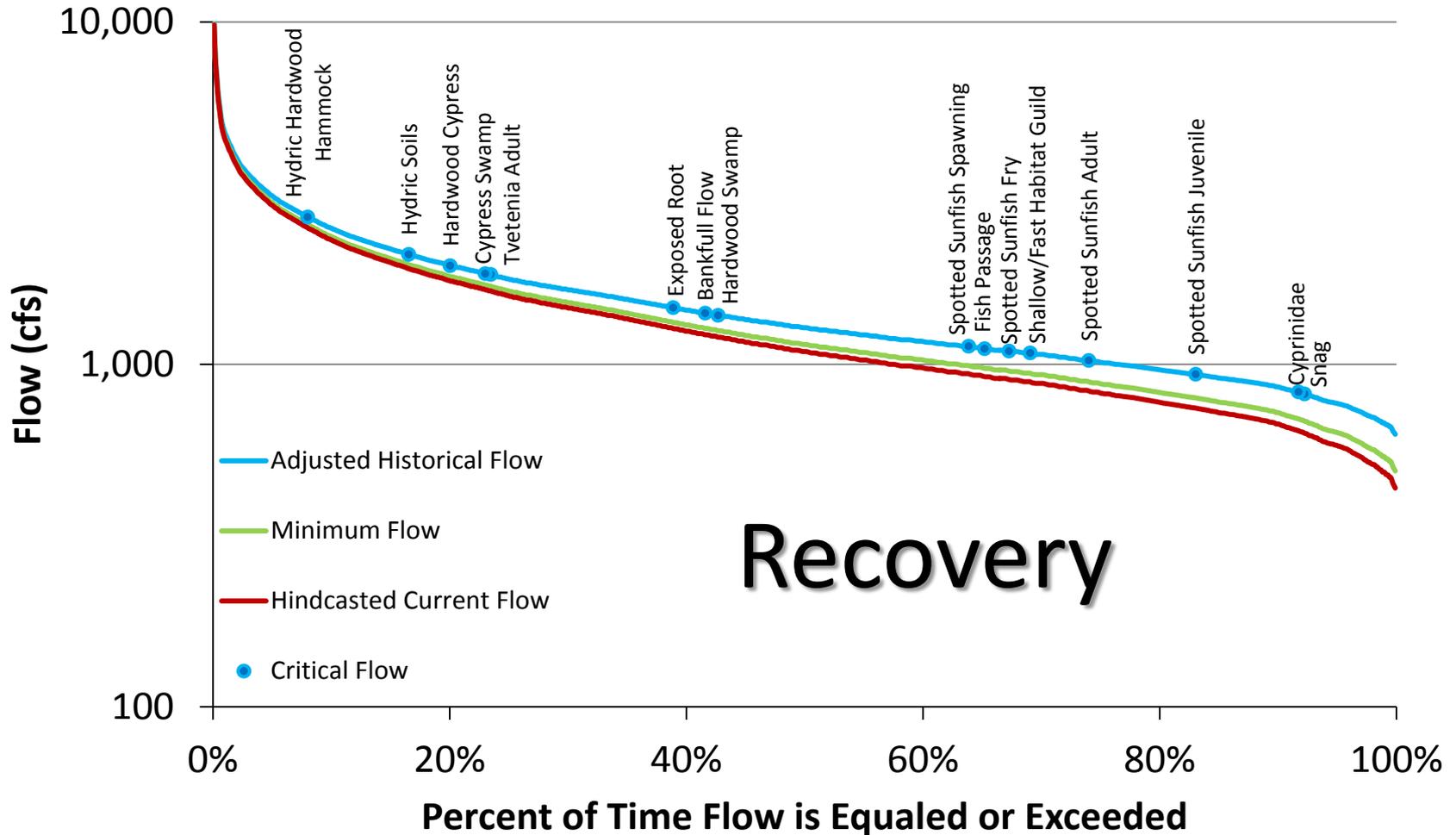


Baseline Condition With MFL Shift



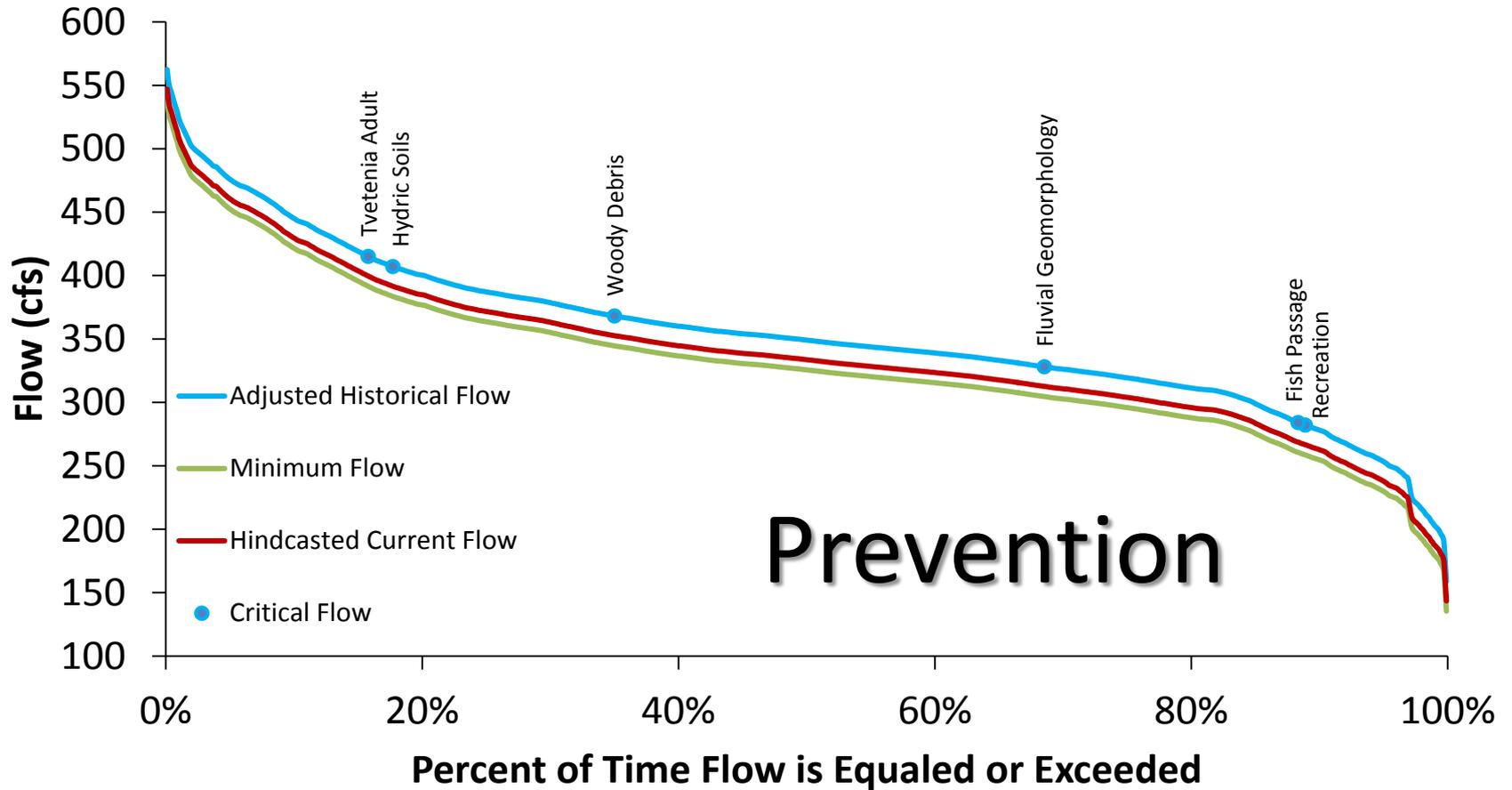


Santa Fe River near Fort White

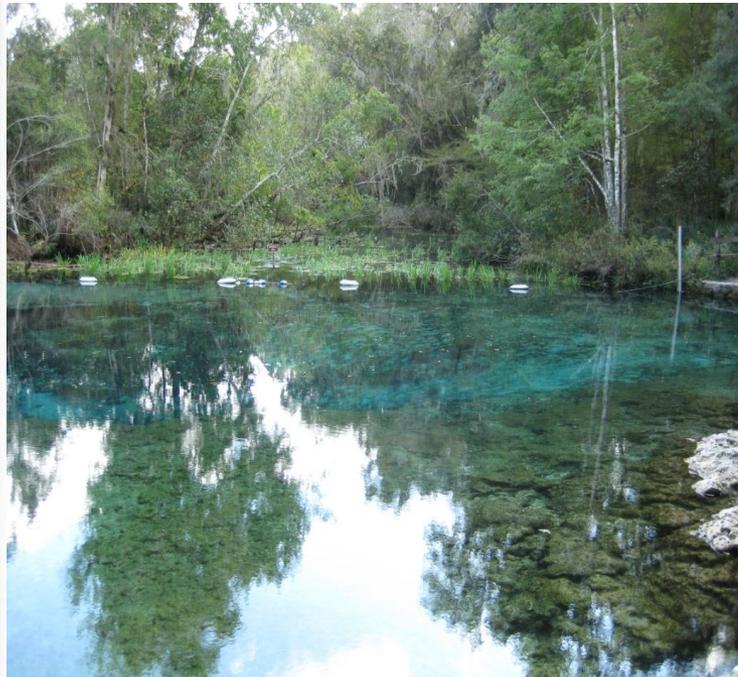




Ichetucknee River at US 27



Lower Santa Fe River and Ichetucknee River Priority Springs Results



Ichetucknee Headspring

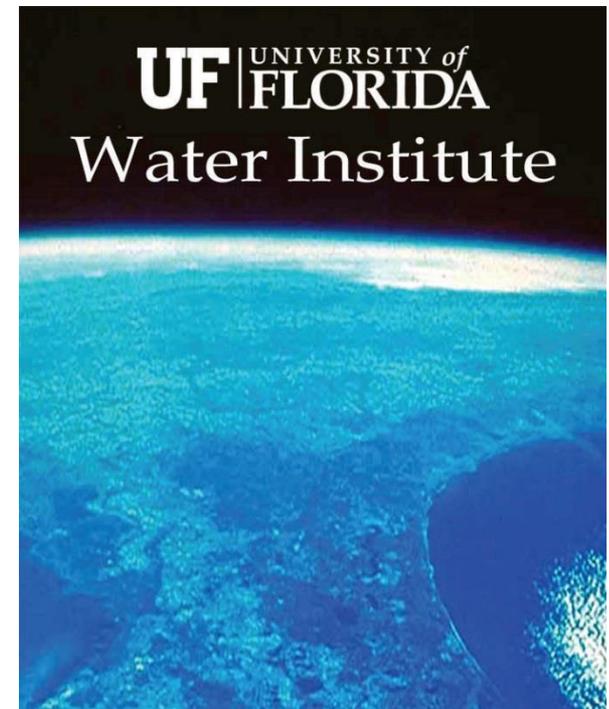


Poe Spring Run



Voluntary Technical Peer-Review And Workshops

- University of Florida Water Institute
 - Peer-review to be complete in 60 working days
 - Opportunity for public input
- Technical Workshop on MFL Methodologies
 - July 2, 2013
 - District Headquarters
 - Technical focus
 - Opportunity for public input





MFL Public Input

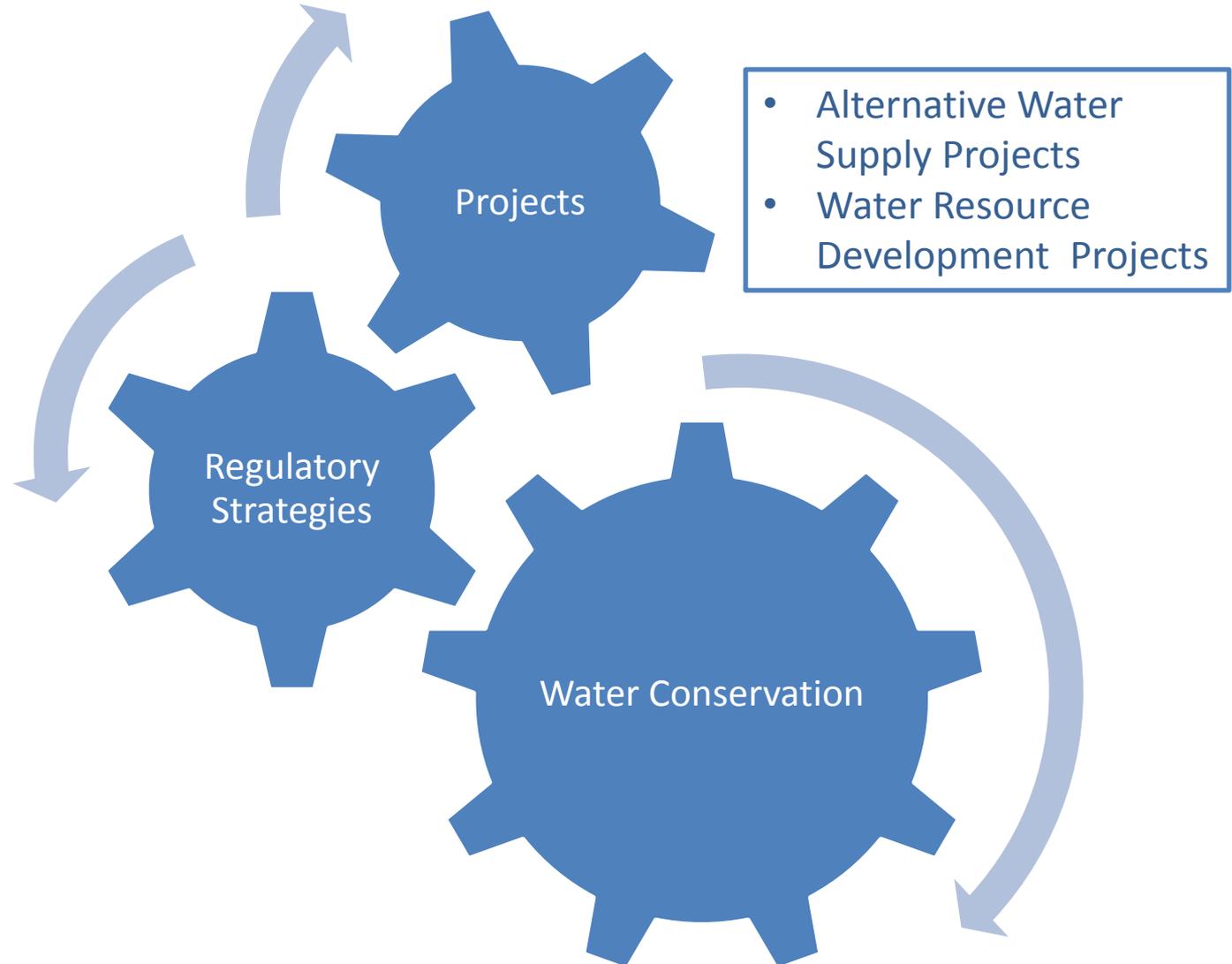
- Public input accepted
- Website for public review/comment:
 - www.mysuwanneeriver.com
 - “Notify me” feature will be used to receive updates
 - mfls@srwmd.org
- North Florida Regional Water Supply Partnership Stakeholders Advisory Committee





Recovery/Prevention Strategies

Developed with Stakeholder Input





Next Steps



Peer Review

- Independent, scientific
- To be completed early Fall 2013

Public Input

- To be completed early Fall 2013
- Multiple options for comment/input

Recovery & Prevention

- Develop strategies with stakeholder involvement
- June 2013 through Fall 2013

DEP Adoption

- MFLs with cross boundary considerations
- District Governing Board Resolution request per new legislation



Thank you!



Ann B. Shortelle, Ph.D., Executive Director

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