

Central Florida Water Initiative

Regulatory Team Meeting

WebEx and Teleconference

March 7, 2014

1:30PM – 3:00PM

AGENDA

1. Field Trip Follow-Up Discussion (Team)
2. On-Going WMD Activities (WMD attorneys)
3. Draft "Caveat" Language for CFWI RWSP (WMD attorneys)
4. Conservation Menu Status (Len Lindahl)
5. Regulatory Team Work Plan (Len Lindahl)
6. Open Discussion

Field Trip Overview:

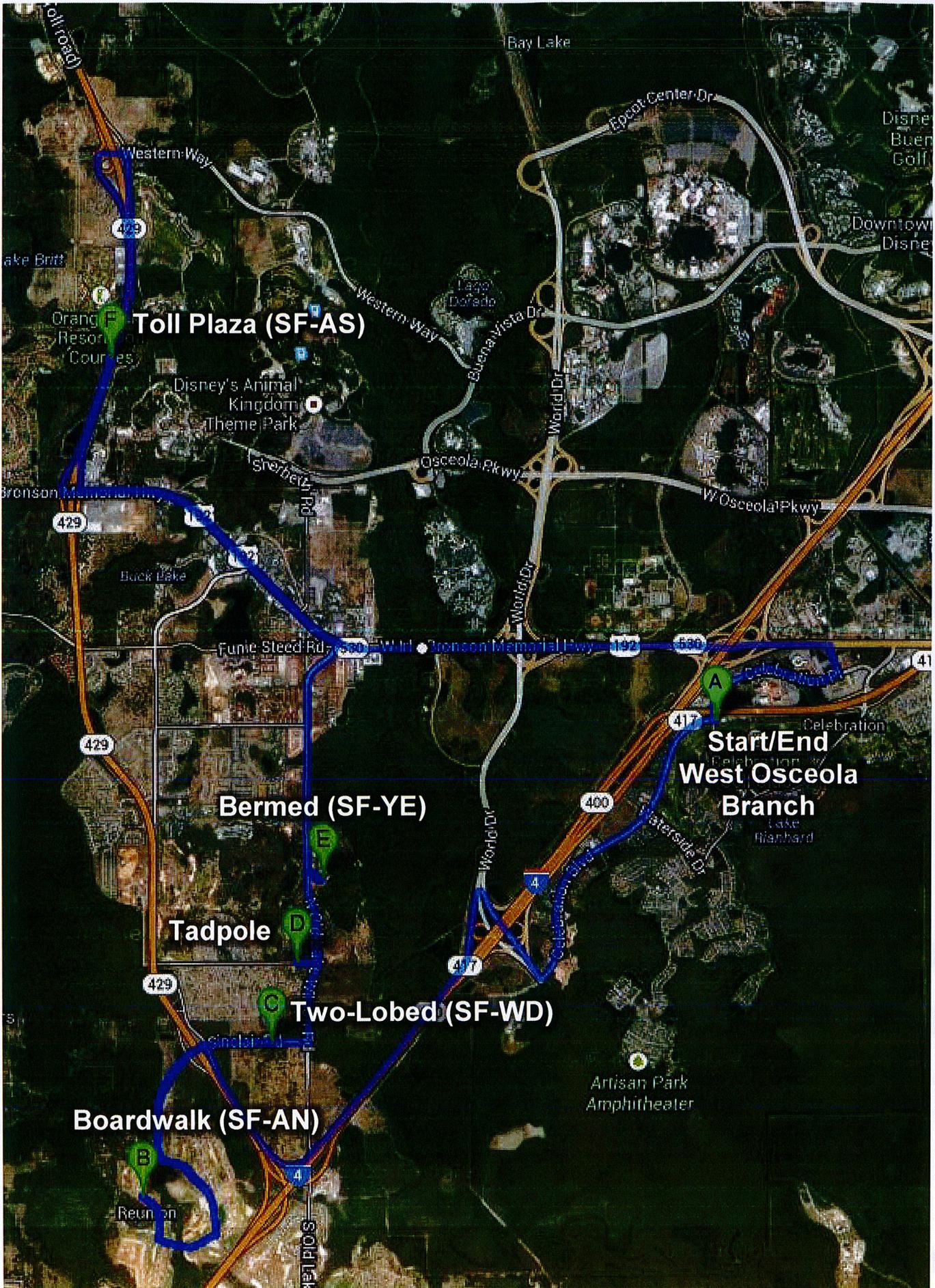
a. On today's Field Trip we will see:

- i. Healthy and altered wetland systems
- ii. Large and small wetland systems
- iii. Differing degrees of wetland functions and values
- iv. A variety of influences

b. Goal:

Attain information regarding:

- i. What types of changes to water resource conditions, including wetlands and other natural systems, are sustainable / permittable?
- ii. Functions and values associated with different water resources, including wetlands and other natural systems.
- iii. Changes that could define water availability from traditional sources. What changes should be fixed, and to what degree?



Toll Plaza (SF-AS)

Bermed (SF-YE)

Tadpole

Two-Lobed (SF-WD)

Boardwalk (SF-AN)

**Start/End
West Osceola
Branch**



Directions to Unknown road
27.8 mi – about 46 mins

A 305 Campus St, Kissimmee, FL 34747

1. Head **north** on **Campus St** go 20 ft
total 20 ft
-  2. Turn **left** onto **Celebration Blvd** go 2.2 mi
total 2.2 mi
About 3 mins
-  3. Turn **right** onto **World Dr** go 0.7 mi
total 2.8 mi
About 1 min
-  4. Turn **left** onto the ramp to **I-4 W/Tampa** go 0.9 mi
total 3.7 mi
About 1 min
-  5. Merge onto **I-4 W** go 1.1 mi
total 4.8 mi
About 53 secs
-  6. Take exit **60** for **Florida 429 Toll N** toward **Apopka** go 0.7 mi
total 5.5 mi
Toll road
About 46 secs
-  7. Merge onto **FL-429 Toll N** go 0.3 mi
total 5.8 mi
Toll road
-  8. Take exit **1A** for **Sinclair Rd** go 0.3 mi
total 6.1 mi
Partial toll road
-  9. Turn **left** onto **Sinclair Rd** go 0.9 mi
total 7.0 mi
About 1 min
-  10. **Sinclair Rd** turns slightly left and becomes **Tradition Blvd** go 0.7 mi
total 7.6 mi
Partial restricted usage road
About 2 mins
-  11. Turn **right** onto **Grand Traverse Pkwy** go 0.4 mi
total 8.0 mi
Restricted usage road
About 1 min
-  12. Take the 1st right onto **Desert Mountain Ct** go 0.3 mi
total 8.3 mi
Restricted usage road
About 49 secs

Total: **8.3 mi** – about **13 mins**

B Desert Mountain Ct total 0.0 mi

13. Head **southeast** on **Desert Mountain Ct** toward **Grand Traverse Pkwy** go 0.3 mi
total 0.3 mi
Restricted usage road
About 45 secs
-  14. Turn **left** onto **Grand Traverse Pkwy** go 0.4 mi
total 0.7 mi
Restricted usage road
About 1 min
-  15. Take the 1st left onto **Tradition Blvd** go 0.7 mi
total 1.4 mi
Partial restricted usage road
About 2 mins
-  16. Turn **right** onto **Sinclair Rd** go 1.3 mi
total 2.7 mi
About 2 mins

Total: **2.7 mi** – about **6 mins**

C Sinclair Rd total 0.0 mi

17. Head **east** on **Sinclair Rd** toward **N Old Lake Wilson Rd** go 0.2 mi
total 0.2 mi
-  18. Turn **left** onto **N Old Lake Wilson Rd** go 0.5 mi

Two-Lobed Wetland (SF-WD)

- Wetland Type: Isolated freshwater marsh
- Size: ~7 acres
- Stress indicators: Soil fissures
- Hydrologic indicators: Little to no signs of inundation (lichen lines, etc.) – Only saturation
- Ecological indicators: Lack of zonation in vegetation
 - Encroachment of upland species (salt bush, broomsedge, etc.)
 - Wetland size reduced from historical conditions
- Soil Conditions: Soil Oxidation



Two-Lobed Wetland - Northern Lobe

Photo taken during dry season



Photo taken at end of wet season



Two Lobed Wetland (SF-WD)

Tadpole Wetland

- Wetland Type: Isolated freshwater marsh
- Size: 3.9 acres
- Stress indicators: Soil fissures
- Hydrologic indicators: Little to no signs of inundation (lichen lines, etc.) – Only saturation
- Ecological indicators: Lack of zonation in vegetation
 - Obligate groundcover species absent or dead
- Soil Conditions: Oxidation and compaction of soils



Tadpole Wetland



Tadpole Wetland

Soil Fissures

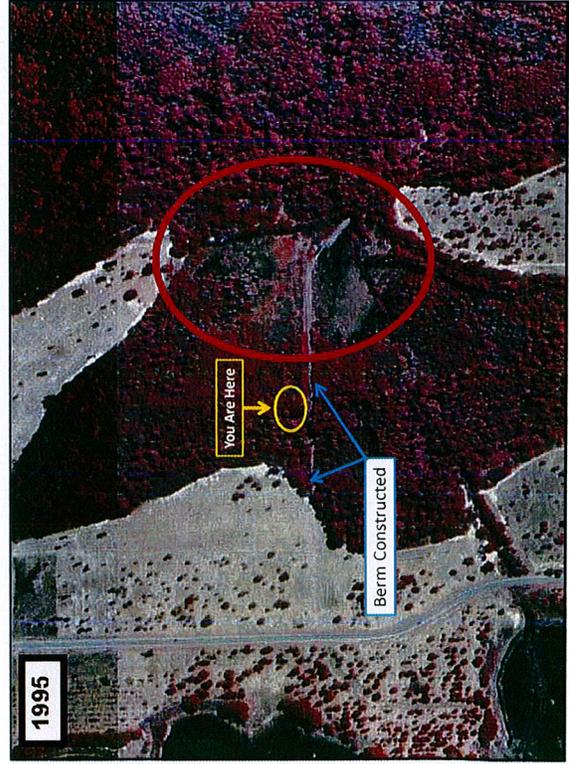
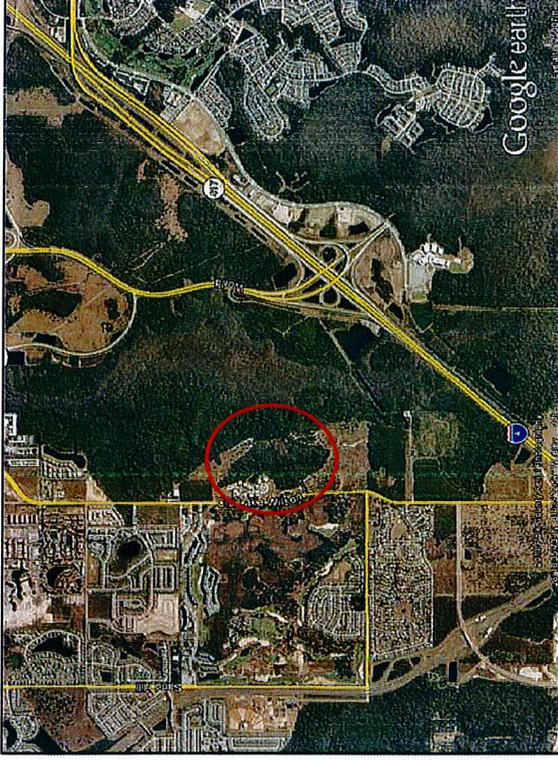


Lack of vegetation zonation



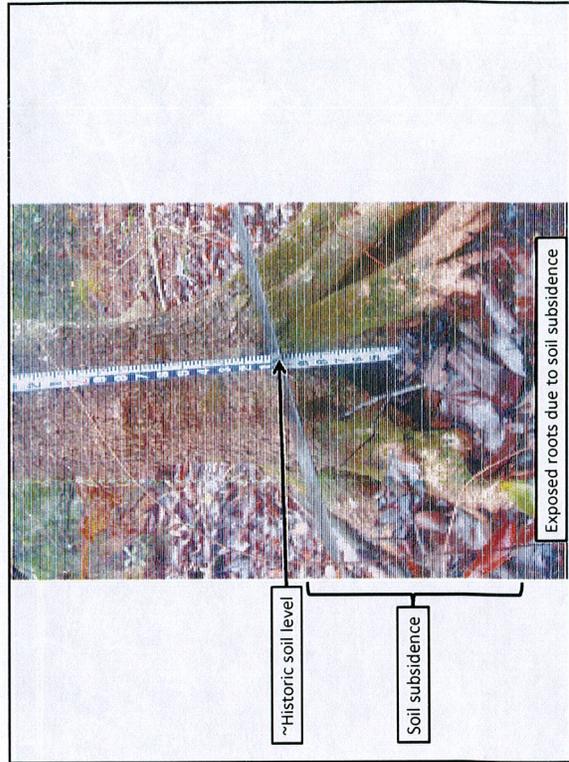
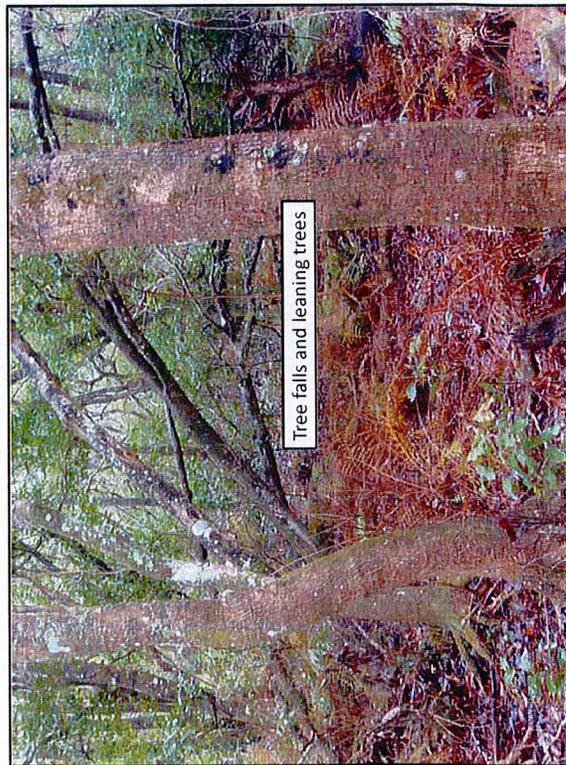
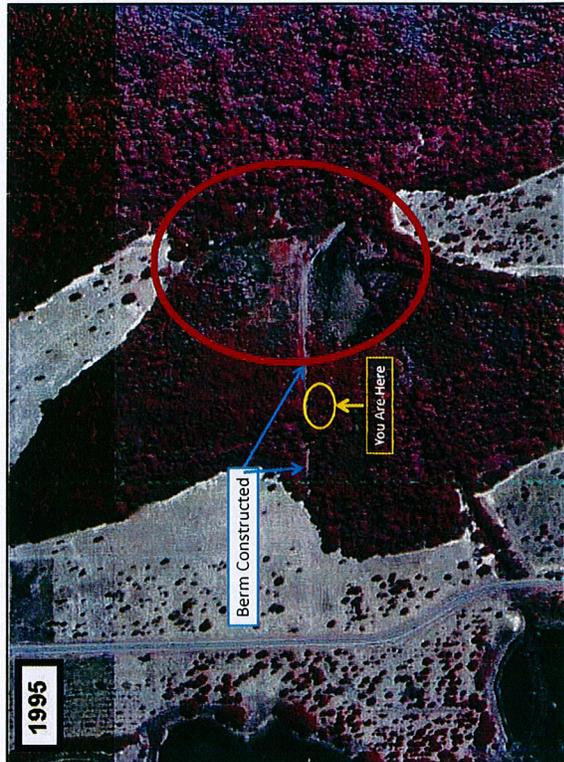
Bermed Wetland (SF-YE) - North

- Wetland Type: Mixed Forest
- Size: Large contiguous – Connected to Reedy Creek
- Stress indicators: None
- Hydrologic indicators: Consistent and distinct lichen lines
 - Normal Pool 4 inches
- Ecological indicators: Exhibits good zonation between upland and wetland community
 - Vegetation types change with depth of inundation
- Soil Conditions: No evidence of soil loss
- Large berm constructed ~1995 bifurcates historic wetland



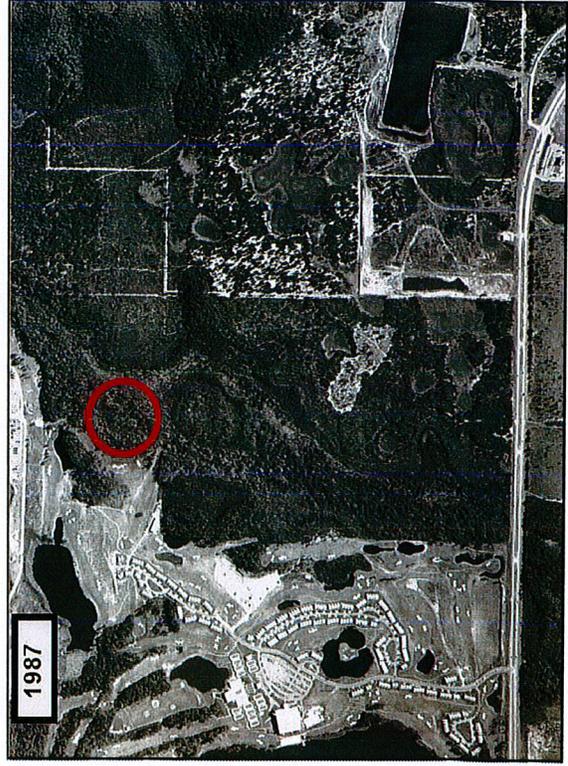
Bermed Wetland (SF-YE) - South

- Wetland Type: Mixed Forest
- Size: Large contiguous – Connected to Reedy Creek
- Stress indicators: Tree falls, leaning trees, exposed roots, soil subsidence
- Hydrologic indicators: No signs of inundation (moss collars, lichen lines, etc.) – Only saturation
- Ecological indicators: Obligate groundcover species absent
 - No vegetation changes with depth of inundation
- Soil Conditions: Oxidation and loss of soil
- Large berm constructed ~1995 bifurcates historic wetland



Toll Plaza Wetland (SF-AS)

- Wetland Type: Mixed Forest
- Size: Large – Connected to Reedy Creek
- Stress indicators: Tree falls, leaning trees, exposed roots, soil subsidence
- Hydrologic indicators: No signs of inundation (moss collars, lichen lines, etc.) – Only saturation
- Ecological indicators: Shift in obligate groundcover species
- Soil Conditions: Oxidation and significant loss of soil
 - Soils appear to have subsided to altered water table elevation



Toll Plaza Wetland (SF-AS)



Evidence of exposed roots due to soil oxidation

ON-GOING WMD ACTIVITIES

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

MINIMUM FLOWS AND LEVELS

None in CFWI

RESERVATIONS

Kissimmee Basin Reservation

- 2015 anticipated adoption
- In coordination with CFWI Solutions Planning Team effort

REGIONAL WATER SUPPLY PLAN

- Program overview:
 - Five, separate regional water supply plans and associated updates
 - By region:
 - Lower East Coast
 - Lower West Coast
 - Upper East Coast
 - Lower Kissimmee Basin
 - Central Florida
- Regional water supply plan(s) impacting Central Florida:
 - Joint CFWI Regional Water Supply Plan

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

MINIMUM FLOWS AND LEVELS

Priority Water Bodies Scheduled for Minimum Flows and Levels (MFLs) Adoption in Fiscal Year 2014

- Manatee River (lower segment) – *not within CFWI but SWUCA*
- Polk County Lake – Hancock (S08-T29S-R25E)

Priority Water Bodies Scheduled for MFLs Adoption in Fiscal Year 2015

- Central Florida Water Initiative Area & Southern Water Use Caution Area Reevaluation Water Bodies
 - Highlands County Lakes – Jackson* (S30-T34S-R29E), Letta* (S31-T33S-R29E), Little Jackson* (S06-T35S-R29E), Lotela* (S26-T33S-R28E)
- Polk County Lakes – Clinch* (S31-T31S-R28E), Crooked* (S01-T31S-R27E), Eagle* (S01-T29S-R25E), McLeod* (S07-T29S-R26E), Starr* (S14-T29S-R27E), Wales* (S01-T30S-R27E)
- Little Manatee River (lower segment) – *not within CFWI but SWUCA*
- Little Manatee River (upper segment) – *not within CFWI but SWUCA*
- Peace River (lower segment) (reevaluation) – *not within CFWI but SWUCA* – this reevaluation is in rule
- Shell Creek (lower segment) – *not within CFWI but SWUCA*

Priority Water Bodies Scheduled for MFL Adoption in Fiscal Year 2016

- Highland County Lakes – Damon* (S03-T33-R28), Pioneer* (S11-T33-R28), Pythias* (S02-T33-R28), Viola* (S14-T33-R38) – *not within CFWI but SWUCA*
- Polk County Lakes – Amoret* (S24-T30S-R27E), Aurora* (S13-T30S-R28E), Bonnet (S14-T28S-R23E), Easy* (S19-T30S-R28E*), Effie* (S03-T30S-R27E), Eva* (S32-T27-R27), Josephine* (S13-T30S-R27E), Little Aurora* (S13-T30-R28E), Lowery (S14-T27S-R26E), Trout* (S34-T32-R28)

SWUCA

- Southern Water Use Caution Area Recovery Strategy (Recovery Strategy) Five-Year Assessment Report (dated November 12, 2013)

- Recovery Strategy provides that if 5 year review does not indicate sufficient progress to meet Recovery Strategy goals, the Governing Board will revise the Recovery Strategy, as appropriate, to achieve these goals
 - Future Steps
 - Monitor Lake Hancock project
 - 18 month review period
 - Meet with stakeholders
 - Reassess lake MFLs
 - Advance science
 - Customize approaches
 - Assist regional entity creation
 - Lower Floridan exploration
 - AWS Development
 - CFWI
 - Reduce groundwater withdrawals
 - Implement aquifer recharge projects
 - Continue conservation and reclaimed
 - Update saltwater intrusion modeling

- District is scheduling stakeholder meetings to engage them in a process to review resource concerns and issues and develop potential options (focus is non-regulatory)
 - Two groups – one to address SWIMAL (MIA stakeholders) and one to address lake levels (Ridge Lakes stakeholders)
 - February 21: First MIA stakeholders meeting
 - May 22: First Ridge Lakes stakeholders meeting
 - Process anticipated to last 12 to 18 months
 - Review input with Governing Board

RESERVATIONS

Lake Hancock

Upper Peace River (to reserve waters from the Lake Hancock Lake Level Modification project and associated projects)

REGIONAL WATER SUPPLY PLAN

2010 Regional Water Supply Plan that includes the following planning regions:

- Northern Region
- Tampa Bay Region
- Heartland Region – *includes Polk County*
- Southern Region

The District will begin the process to reevaluate its 2010 Regional Water Supply Plan in accordance with section 373.709, Florida Statutes. The District anticipates holding a series of public meetings and workshops, presenting status updates to a wide variety of user groups and soliciting comments. The District updates the RWSP with significant public comment to ensure all stakeholders opportunity for input.

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

MINIMUM FLOWS AND LEVELS

Priority Water Bodies Scheduled for Minimum Flows and Levels (MFLs) Adoption in Fiscal Year 2014

- East Crystal Lake
- St. Johns River at State Road 520 (Lake Poinsett)

Priority Water Bodies Scheduled for MFLs Adoption in Fiscal Year 2015

- North Lake Apshawa
- South Lake Apshawa
- Lake Avalon
- Lake Hiawassee*
- Johns Lake
- Prevatt Lake
- Sylvan Lake
- Wekiva River at State Road 46

Priority Water Bodies Scheduled for MFL Adoption in Fiscal Year 2017

- Lake Hodge
- Island Lake
- Lake Searcy

* It is anticipated that Lake Hiawassee will be removed from the District's next Priority List and Schedule

PREVENTION AND RECOVERY STRATEGIES

The development of the prevention/recovery strategy for the MFL waterbodies within South Lake, Orange and Seminole Counties is currently in progress. The anticipated completion date for the strategy document is June 2015.

DISTRICT WATER SUPPLY PLAN

The draft District Water Supply Plan 2013 (Plan) includes the following planning regions:

- North Florida Area (#1)
- North Central Area (#2)

- Central Florida / CFWI (#3)
- South Area (#4)

The District's draft Plan is available for review and comment by the public, local governments and other stakeholders. Comments can be provided online, by email or mail. The comment period will close on February 20, 2014. A series of public meetings to discuss the draft plan have also been scheduled. Please see www.floridaswater.com/DWSP2013/ for additional information regarding the plan.

Draft Plan Caveat Language

All WMDs - Approval language of CFWI RWSP for Board meeting:

District staff recommends the Governing Board endorse the CFWI RWSP and approve the information and conclusions of the CFWI RWSP that apply within the jurisdictional boundaries of the ___ WMD.

SJRWMD Caveat language for insertion into DWSP regarding unanticipated inconsistencies:

In the event there are any unanticipated inconsistencies between the information and conclusions contained within the CFWI Regional Water Supply Plan (RWSP) and the District Water Supply Plan (DWSP) Region 3, the information and conclusions applicable to the SJRWMD that are contained in the CFWI RWSP will control.

SWFWMD Caveat language for insertion into DWSP regarding unanticipated inconsistencies:

In the event there are any unanticipated inconsistencies between the information and conclusions contained within the CFWI Regional Water Supply Plan (RWSP) and the District Water Supply Plan (DWSP) Heartland Region, the information and conclusions applicable to the SWFWMD that are contained in the CFWI RWSP will control.

Approval of DWSP by SJRWMD in 2014 and SWFWMD in 2015:

District staff recommends the Governing Board approve the DWSP, which for Region 3 (*Heartland Region for SWFWMD*) includes the incorporation of the information and conclusions of the CFWI RWSP that apply within the jurisdictional boundaries of the *SJRWMD*. The DWSP will then serve to meet the District's water supply planning obligations pursuant to section 373.709, Florida Statutes.

