



Upper Ocklawaha Verified List Updates

October 15, 2020

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Watershed Assessment Section



Presentation Overview

- **Most recent Group 1 basin assessment**
- **Data Providers to IWR Assessment**
- **Additions to Verified List**
 - **Cycle 4 adoption**
 - **Previous cycle listings - status**
- **QA Audit – Impacts to Bacteria Impairments**
- **Next steps for assessment**



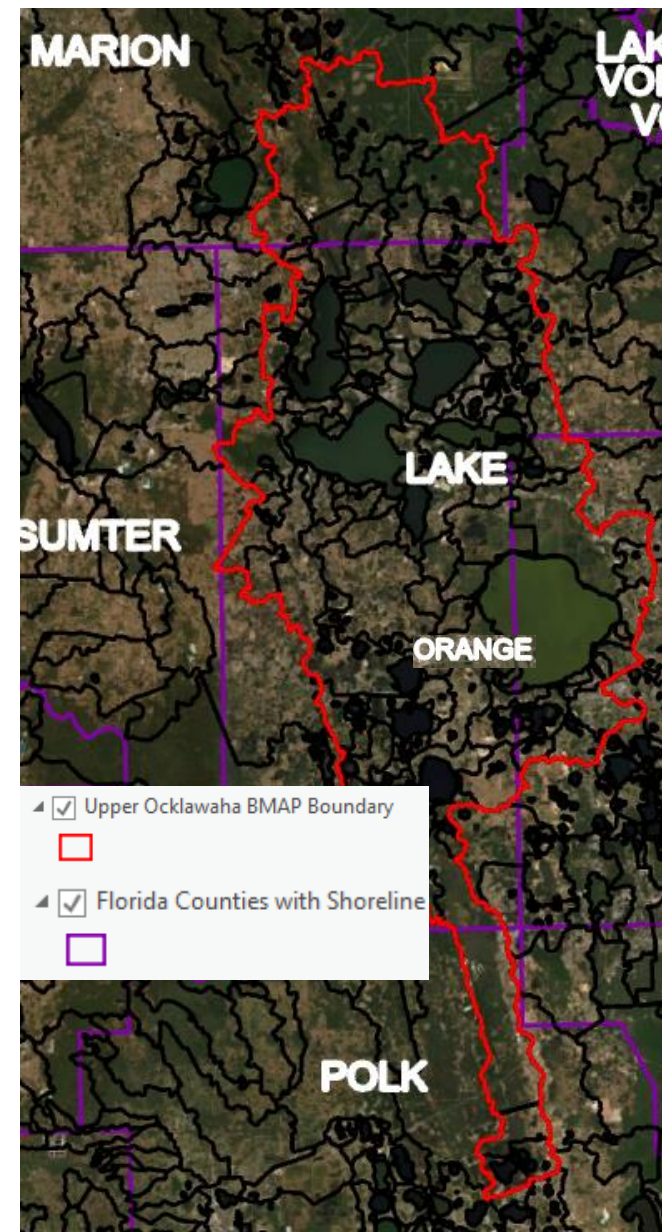
Upper Ocklawaha Basin Overview

Basin crosses multiple counties:

- Marion
- Lake
- Orange
- Polk

**DEP adopted revisions to the
Group 1 Basins Verified and Delist List on
October 2, 2019**

<https://floridadep.gov/dear/watershed-assessment-section/content/final-verified-and-delist-lists-impaired-waters-group-1>





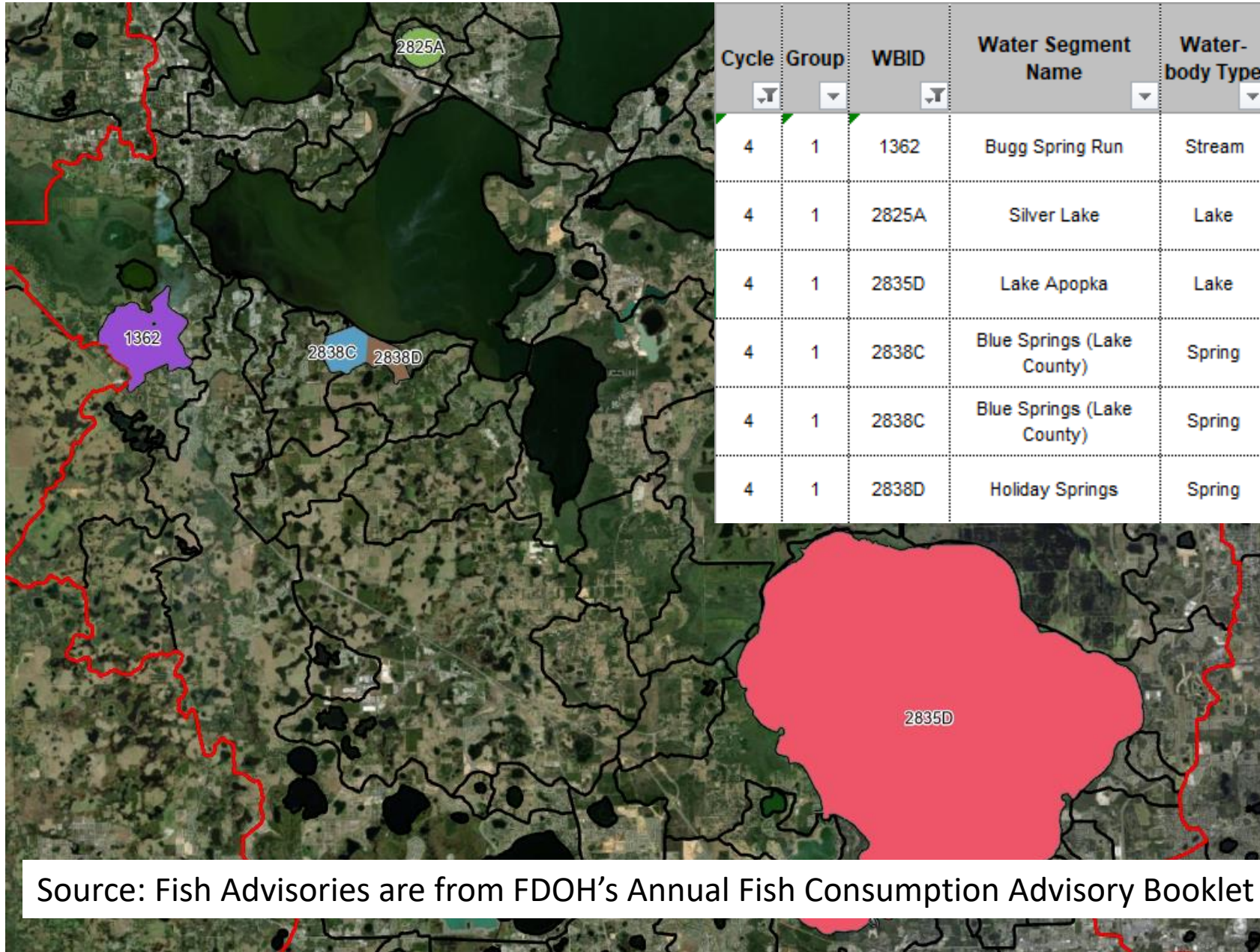
Data Sources for the IWR Verified Period (7.5 years of data)

Primary Data Providers

- USGS - WQ**
 - Biological Research Associates - WQ**
 - DEP – Bio & WQ**
 - Lake County – WQ**
 - Orange County - WQ**
 - St. Johns River WMD – WQ**
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- LakeWatch data only used for Planning Period (10 years of data)**



2019 Additions to Verified List



Cycle	Group	WBID	Water Segment Name	Water-body Type	Water-body Class	Parameters Assessed Using the Impaired Waters Rule (IWR)
4	1	1362	Bugg Spring Run	Stream	3F	Nutrients (Algal Mats)
4	1	2825A	Silver Lake	Lake	3F	Nutrients (Total Nitrogen)
4	1	2835D	Lake Apopka	Lake	3F	Pesticides (in fish tissue)
4	1	2838C	Blue Springs (Lake County)	Spring	3F	Nutrients (Algal Mats)
4	1	2838C	Blue Springs (Lake County)	Spring	3F	Nutrients (Nitrate-Nitrite)
4	1	2838D	Holiday Springs	Spring	3F	Nutrients (Nitrate-Nitrite)

Source: Fish Advisories are from FDOH's Annual Fish Consumption Advisory Booklet



Previous Cycle Additions to Verified List

Cycle 3 Impairment – Feb. 2013

- **WBID 2815 – Insufficient data**
 - Not sampled since 2011

Cycle 2 Impairments – May 2009

- **WBID 2883 – Insufficient data for NNC**
- **WBID 1406 - Insufficient data for NNC**

On Verified List for dissolved oxygen

- **WBIDs will be added to Strategic Monitoring Plan for data collection**
- **WBID 1406 - (sampling conditions?)**





Previous Cycle Additions to Verified List

Cycle 3 Impairment – Feb. 2013

- **WBID 2815 – Insufficient data**
 - Not sampled since 2011
 - Appears to be the treatment / restoration area of Pine Meadows (Eustis Meadows)





Quality Assurance Laboratory Audit Performed by DEP

Department finalized an audit in May 2019 that impacts the data usability for IWR bacteria assessments

- Includes *E. coli* data analyzed at the AEL Laboratory – Gainesville (and other contract labs across the state)
- IWR data excluded from Verified Period data usability:
 - From 3/31/2009 – 2/12/2019
- Lab audit results available here:
 - <https://fldeploc.dep.state.fl.us/reports/audits.asp>

Current Assessment Cycle Information			
Cycle:	4	Verified Period start:	1/1/2013
		Verified Period end:	6/30/2020

Bureau of Laboratories Reports Search

List of Audits meeting your query constraints:

15161	AUDIT LABORATORY			May 2019	AEL-Gainesville Microbiology Laboratory Records Audit Report
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Next Steps

- WAS is developing a statewide basin assessment list
 - Stay tuned for draft lists for review next summer 2021
 - Verified Period (1/1/2013 – 6/30/2020)
- Strategic Monitoring Plans for the 2021 calendar year are being developed, posted later this year
 - Coordination on monitoring needs with local/state sampling entities is key to maximizing resources.
- IWR Run 60 Access Database, WBID & Station GIS layers available on Basin 411 – Coming Soon
- Subscribe to Assessment Notifications:
<https://floridadep.gov/dear/dear/content/subscribe#IWR>



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DEP Websites:

WAS: <https://floridadep.gov/dear/watershed-assessment-section>
Basins 411: <https://floridadep.gov/dear/watershed-assessment-section/content/basin-411-0#B411downloads>

Questions??

