

Ocklawaha Group 1 Basin - Northeast District - Cycle 4 REVISED Verified List

On Draft List (D)	On Revised List (R)	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	Pollutant of Concern for Dissolved Oxygen/Biology Assessment	Criterion Concentration or Threshold Not Met	† Previous Cycle Summary Assessment Category ²	† Cycle 4 Assessment Category ³	† Integrated Report Category Summary Assessment	Summary Assessment Status	Priority for TMDL Development ⁴	Planning Period Assessment Data ⁵	Verified Period Assessment Data ⁵	Comments
D	R	1362	Bugg Spring Run	Stream	3F	Nutrients (Algal Mats)		RPS ≤ 25%, or when between 20% - 25% Evaluation of Algal Autoecological Data Indicates No Imbalance	NA	5	5	Impaired	Medium	03/20/2012: 100%	03/20/2012: 100% 11/16/2016: 21% 11/21/2017: 24% 03/19/2018: 30%	This waterbody is impaired for this parameter based on samples with greater than 25% algal coverage and although two results were less than or equal to 25% percent coverage, the dominant taxa of the algal community include taxa known to indicate nutrient enrichment. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
	R	2695	Little Hatchet Creek	Stream	3F	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	5/10	This waterbody is impaired for this parameter based on the number of exceedances for the sample size, and anthropogenic sources have been confirmed using genetic marker and chemical tracer data. Fewer than twenty samples can be used to identify a waterbody as impaired if there are at least five exceedances, per 62-303.390(2)(f) F.A.C. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2696	Possum Creek	Stream	3F	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	12/13	15/16	This waterbody is impaired for this parameter based on the number of exceedances for the sample size, and anthropogenic sources have been confirmed using genetic marker and chemical tracer data. Fewer than twenty samples can be used to identify a waterbody as impaired if there are at least five exceedances, per 62-303.390(2)(f) F.A.C. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
	R	2700	Hammocks Lake	Lake	3F	Biology	Nutrients	Average score of at least two temporally independent LVI scores ≥ 43; or either of the two most recent LVI scores ≥ 43; or if there are only two LVI scores and there is less than or equal to a 20 point difference.	NA	5	5	Impaired	Medium	LVI (n=1) WBID Mean (36) Mean 1 (36), Mean 2 (ND)	LVI (n=2) WBID Mean (34) Mean 1 (31), Mean 2 (36)	This waterbody is impaired for this parameter based on failing bioassessments and nutrients have been determined to be the causative pollutant. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2700	Hammocks Lake	Lake	3F	Nutrients (Chlorophyll-a)		≤ 20 µg/L	NA	5	5	Impaired	Medium	AGM 2006 (91 µg/L) 2015 (49 µg/L)	AGM 2015 (49 µg/L) 2016 (68 µg/L) 2017 (84 µg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient criteria for a high color lake more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2700	Hammocks Lake	Lake	3F	Nutrients (Total Nitrogen)		Chl-a AGM ≤ 20 µg/L, TN AGM ≤ 2.23 mg/L; If Chl-a has Insufficient or No Data to calculate AGM or if Chl-a AGM > 20 µg/L, TN AGM ≤ 1.27 mg/L	NA	5	5	Impaired	Medium	AGM 2006 (1.83 mg/L) 2007 (2.24 mg/L) 2008 (2.02 mg/L) 2009 (1.26 mg/L) 2015 (1.12 mg/L)	AGM 2015 (1.12 mg/L) 2016 (1.80 mg/L) 2017 (2.43 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient criteria for a high color lake more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2700	Hammocks Lake	Lake	3F	Nutrients (Total Phosphorus)		Chl-a AGM ≤ 20 µg/L, TP AGM ≤ 0.16 mg/L; If Chl-a has Insufficient or No Data to calculate AGM or if Chl-a AGM > 20 µg/L, TP AGM ≤ 0.05 mg/L	NA	5	5	Impaired	Medium	AGM 2006 (0.30 mg/L) 2007 (0.29 mg/L) 2008 (0.25 mg/L) 2009 (0.22 mg/L) 2015 (0.16 mg/L)	AGM 2015 (0.16 mg/L) 2016 (0.19 mg/L) 2017 (0.31 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient criteria for a high color lake more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.

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	R	2705A	Prairie Creek	Stream	3F	Biology	Nutrients	Average score of at least two temporally independent SCI scores ≥ 40 ; or either of the two most recent SCI scores ≥ 35 ; or if there are only two SCI scores and there is less than or equal to a 20 point difference.	3c	5	5	Impaired	Medium	SCI (n=1) WBID Mean (19) Mean 1 (19), Mean 2 (ND) BIORECON (n=1) Mean 1 (3), Mean 2 (ND)	SCI (n=2) WBID Mean (15) Mean 1 (11), Mean 2 (19)	This waterbody is impaired for this parameter based on failing bioassessments and nutrients have been determined to be the causative pollutant. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. Alachua County biological data were included in the assessment.
D	R	2705A	Prairie Creek	Stream	3F	Nutrients (Chlorophyll-a)		$\leq 20 \mu\text{g/L}$	3c	5	5	Impaired	Medium	AGM 2011 (55 $\mu\text{g/L}$) 2014 (42 $\mu\text{g/L}$) 2015 (75 $\mu\text{g/L}$) 2016 (61 $\mu\text{g/L}$) 2017 (43 $\mu\text{g/L}$)	AGM 2011 (55 $\mu\text{g/L}$) 2014 (42 $\mu\text{g/L}$) 2015 (75 $\mu\text{g/L}$) 2016 (61 $\mu\text{g/L}$) 2017 (43 $\mu\text{g/L}$)	This waterbody is impaired for this parameter because the annual geometric means exceeded the nutrient threshold more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2705A	Prairie Creek	Stream	3F	Nutrients (Total Nitrogen)		AGM $\leq 1.54 \text{ mg/L}$	NA	5	5	Impaired	Medium	AGM 2006 (2.00 mg/L) 2007 (3.74 mg/L) 2008 (3.20 mg/L) 2009 (4.15 mg/L) 2011 (3.83 mg/L) 2014 (2.33 mg/L) 2015 (2.55 mg/L)	AGM 2011 (3.83 mg/L) 2014 (2.33 mg/L) 2015 (2.55 mg/L) 2016 (2.86 mg/L) 2017 (3.33 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient criteria more than once in a three year period, and there is biological evidence indicating non-attainment of the designated use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2705A	Prairie Creek	Stream	3F	Nutrients (Total Phosphorus)		AGM $\leq 0.12 \text{ mg/L}$	NA	5	5	Impaired	Medium	AGM 2006 (0.14 mg/L) 2007 (0.25 mg/L) 2008 (0.19 mg/L) 2009 (0.24 mg/L) 2011 (0.31 mg/L) 2014 (0.13 mg/L) 2015 (0.12 mg/L)	AGM 2011 (0.31 mg/L) 2014 (0.13 mg/L) 2015 (0.12 mg/L) 2016 (0.17 mg/L) 2017 (0.16 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient criteria more than once in a three year period, and there is biological evidence indicating non-attainment of the designated use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2706	Lake Moon	Lake	3F	Nutrients (Total Phosphorus)		Chl-a AGM $\leq 20 \mu\text{g/L}$, TP AGM $\leq 0.16 \text{ mg/L}$; If Chl-a has Insufficient or No Data to calculate AGM or if Chl-a AGM $> 20 \mu\text{g/L}$, TP AGM $\leq 0.05 \text{ mg/L}$	NA	5	5	Impaired	Medium	AGM 2006 (0.29 mg/L) 2007 (0.35 mg/L) 2015 (0.34 mg/L)	AGM 2015 (0.34 mg/L) 2016 (0.29 mg/L) 2017 (0.27 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient criteria for a high color lake more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2713D	Little Orange Lake	Lake	3F	Nutrients (Total Phosphorus)		Chl-a AGM $\leq 20 \mu\text{g/L}$, TP AGM $\leq 0.16 \text{ mg/L}$; If Chl-a has Insufficient or No Data to calculate AGM or if Chl-a AGM $> 20 \mu\text{g/L}$, TP AGM $\leq 0.05 \text{ mg/L}$	NA	5	5	Impaired	Medium	AGM 2006 (0.11 mg/L) 2007 (0.07 mg/L) 2008 (0.06 mg/L) 2009 (0.05 mg/L) 2010 (0.05 mg/L) 2011 (0.03 mg/L) 2015 (0.14 mg/L)	AGM 2015 (0.14 mg/L) 2016 (0.22 mg/L) 2017 (0.29 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient criteria for a high color lake more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
	R	2718A	Tumblin Creek	Stream	3F	Biology		Average score of at least two temporally independent SCI scores ≥ 40 ; or either of the two most recent SCI scores ≥ 35 ; or if there are only two SCI scores and there is less than or equal to a 20 point difference.	4d	5	5	Impaired	Medium	SCI (n=5) WBID Mean (25) Mean 1 (38), Mean 2 (35)	SCI (n=5) WBID Mean (33) Mean 1 (38), Mean 2 (34)	This waterbody is impaired for this parameter based on failing bioassessments and nutrients have been determined to be the causative pollutant. A stressor ID study identified extensive anthropogenic, lack of riparian buffer, and channelization of the stream contribute to the impairment. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. Alachua County biological data were included in the assessment.
D	R	2722A	Boulware Springs	Spring	3F	Nutrients (Nitrate-Nitrite)		$\leq 0.35 \text{ mg/L}$	NA	5	5	Impaired	Medium	AGM 2012 (1.11 mg/L) 2013 (1.12 mg/L) 2014 (1.06 mg/L) 2015 (1.18 mg/L)	AGM 2012 (1.11 mg/L) 2013 (1.12 mg/L) 2014 (1.06 mg/L) 2015 (1.18 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the criteria more than once in a three-year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.

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D	R	2733	Camps Canal	Stream	3F	Nutrients (Chlorophyll-a)		≤ 20 µg/L	3a	5	5	Impaired	Medium	AGM 2013 (12 µg/L) 2014 (31 µg/L) 2015 (46 µg/L)	AGM 2013 (12 µg/L) 2014 (31 µg/L) 2015 (46 µg/L) 2016 (73 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the nutrient threshold more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2733	Camps Canal	Stream	3F	Nutrients (Total Nitrogen)		AGM ≤ 1.54 mg/L	NA	5	5	Impaired	Medium	AGM 2006 (1.79 mg/L) 2007 (2.06 mg/L) 2008 (2.42 mg/L) 2009 (3.43 mg/L) 2011 (4.77 mg/L) 2013 (1.96 mg/L) 2014 (2.30 mg/L) 2015 (2.51 mg/L)	AGM 2011 (4.77 mg/L) 2013 (1.96 mg/L) 2014 (2.30 mg/L) 2015 (2.51 mg/L) 2016 (3.21 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient criteria more than once in a three year period, and there is biological evidence indicating non-attainment of the designated use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2733	Camps Canal	Stream	3F	Nutrients (Total Phosphorus)		AGM ≤ 0.12 mg/L	NA	5	5	Impaired	Medium	AGM 2006 (0.12 mg/L) 2007 (0.15 mg/L) 2008 (0.14 mg/L) 2009 (0.20 mg/L) 2011 (0.32 mg/L) 2013 (0.12 mg/L) 2014 (0.14 mg/L) 2015 (0.14 mg/L)	AGM 2011 (0.32 mg/L) 2013 (0.12 mg/L) 2014 (0.14 mg/L) 2015 (0.14 mg/L) 2016 (0.17 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient criteria more than once in a three year period, and there is biological evidence indicating non-attainment of the designated use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2740D	Ocklawaha River above Daisy Creek	Stream	3F	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	5	5	Impaired	Medium	11/14/2011: Avg CofC - 3.0, FLEPPC - 25% 11/14/2011: Avg CofC - 3.0, FLEPPC - 25%	11/14/2011: Avg CofC - 3.0, FLEPPC - 25% 04/12/2017: Avg CofC - 2.2, FLEPPC - 35% 08/31/2017: Avg CofC - 2.1, FLEPPC - 30%	This waterbody is impaired for this parameter based on failing linear vegetation surveys with an average C of C score < 2.5 and FLEPPC percent coverage of > 25%. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
	R	2740D	Ocklawaha River above Daisy Creek	Stream	3F	Nutrients (Total Nitrogen)		AGM ≤ 1.54 mg/L	NA	5	5	Impaired	Medium	AGM 2006 (2.03 mg/L) 2007 (3.10 mg/L) 2008 (2.55 mg/L) 2009 (2.19 mg/L) 2010 (1.89 mg/L) 2011 (2.05 mg/L) 2012 (2.55 mg/L) 2013 (2.42 mg/L) 2014 (2.37 mg/L) 2015 (1.51 mg/L)	AGM 2011 (2.05 mg/L) 2012 (2.72 mg/L) 2013 (2.42 mg/L) 2014 (2.37 mg/L) 2015 (1.51 mg/L) 2016 (1.33 mg/L) 2017 (1.66 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient criteria more than once in a three year period, and there is biological evidence indicating non-attainment of the designated use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2769	Daisy Creek	Stream	3F	Lead		Pb ≤ e(1.273[lnH]-4.705) µg/L	3b	5	5	Impaired	Medium	9/12	7/9	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2774	Half Mile Creek	Stream	3F	Lead		Pb ≤ e(1.273[lnH]-4.705) µg/L	NA	5	5	Impaired	Medium	7/25	10/49	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
	R	2790B	Little Lake Weir	Lake	3F	Nutrients (Chlorophyll-a)		≤ 6 µg/L	NA	5	5	Impaired	Medium	AGM 2006 (9 µg/L) 2011 (14 µg/L)	AGM 2011 (14 µg/L) 2017 (15 µg/L) 2018 (16 µg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient criteria for a clear acidic lake more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.

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	R	2790B	Little Lake Weir	Lake	3F	Nutrients (Total Nitrogen)		Chl-a AGM ≤ 6 µg/L, TN AGM ≤ 0.93 mg/L; If Chl-a has Insufficient or No Data to calculate AGM or if Chl-a AGM > 6 µg/L, TN AGM ≤ 0.51 mg/L	NA	5	5	Impaired	Medium	AGM 2006 (0.91 mg/L) 2011 (1.49 mg/L)	AGM 2011 (1.49 mg/L) 2017 (1.23 mg/L) 2018 (1.26 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient criteria for a clear acidic lake more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
	R	2790B	Little Lake Weir	Lake	3F	Nutrients (Total Phosphorus)		Chl-a AGM ≤ 6 µg/L, TP AGM ≤ 0.03 mg/L; If Chl-a has Insufficient or No Data to calculate AGM or if Chl-a AGM > 6 µg/L, TP AGM ≤ 0.01 mg/L	NA	5	5	Impaired	Medium	AGM 2006 (0.01 mg/L) 2011 (0.02 mg/L)	AGM 2011 (0.02 mg/L) 2017 (0.02 mg/L) 2018 (0.02 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient criteria for a clear acidic lake more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2825A	Silver Lake	Lake	3F	Nutrients (Total Nitrogen)		Chl-a AGM ≤ 20 µg/L, TN AGM ≤ 1.91 mg/L; If Chl-a has Insufficient or No Data to calculate AGM or if Chl-a AGM > 20 µg/L, TN AGM ≤ 1.05 mg/L	NA	5	5	Impaired	Medium	AGM 2006 (1.32 mg/L) 2012 (4.12 mg/L) 2013 (3.50 mg/L) 2015 (1.75 mg/L)	AGM 2012 (4.12 mg/L) 2013 (3.50 mg/L) 2015 (1.75 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient criteria for a clear alkaline lake more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
	R	2835D	Lake Apopka	Lake	3F	Pesticides (in fish tissue)		NA	3c	5	5	Impaired	Medium	Assessment based on DOH Fish Tissue Studies	Assessment based on DOH Fish Tissue Studies	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2838C	Blue Springs (Lake County)	Spring	3F	Nutrients (Algal Mats)		RPS ≤ 25%, or when between 20% - 25% Evaluation of Algal Autoecological Data Indicates No Imbalance	3c	5	5	Impaired	High	No Data	07/25/2016: 45% 11/01/2016: 27%	This waterbody is impaired for this parameter based on two or more failing rapid periphyton surveys with >25% coverage of periphyton. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2838C	Blue Springs (Lake County)	Spring	3F	Nutrients (Nitrate-Nitrite)		≤ 0.35 mg/L	NA	5	5	Impaired	Medium	AGM 2006 (3.60 mg/L) 2007 (3.68 mg/L)	AGM 2016 (2.90 mg/L) 2017 (2.94 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the criteria more than once in a three-year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D	R	2838D	Holiday Springs	Spring	3F	Nutrients (Nitrate-Nitrite)		≤ 0.35 mg/L	NA	5	5	Impaired	Medium	AGM 2006 (1.89 mg/L) 2007 (0.64 mg/L)	AGM 2016 (1.25 mg/L) 2017 (2.76 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the criteria more than once in a three-year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
D		2698	Hogtown Creek	Stream	3F	Escherichia-coli		≤ 410 Counts / 100 mL	NA	4e	4e	Ongoing Restoration Activities		27/44	36/54	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. However, this waterbody is being placed in category 4e and added to the Study List because there is a DEP Adopted – EPA Approved Fecal Coliform TMDL and it is included in the approved Orange Creek Basin Management Action Plan which has restoration activities that will address the bacteria impairment for this waterbody. The department is requesting EPA remove Fecal Coliform from the 303(d) List and add this parameter to the 303(d) List.

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D		2714	Sweetwater-Branch	Stream	3F	Escherichia-coli		≤ 410 Counts / 100 mL	NA	4e	4e	Ongoing-Restoration-Activities		21/35	22/46	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. However, this waterbody is being placed in category 4e and added to the Study List because there is a DEP Adopted – EPA Approved Fecal Coliform TMDL and it is included in the approved Orange Creek Basin Management Action Plan which has restoration activities that will address the bacteria impairment for this waterbody. The department is requesting EPA remove Fecal Coliform from the 303(d) List and add this parameter to the 303(d) List.
D		2713D	Little-Orange-Lake	Lake	3F	Mercury (in fish-tissue)		Exceeds DoH-Threshold (> 0.3 ppm)	4a	4a	4a	TMDL-Complete		Assessment-based-on-DOH-Fish-Tissue-Studies	Assessment-based-on-DOH-Fish-Tissue-Studies	This waterbody is impaired for this parameter based on DOH fish consumption advisory data from 2014 for 11 Largemouth Bass with an average mercury concentration of 0.44 ppm. This waterbody was placed in category 4a in the previous assessment cycle, but EPA deferred action on approving the waterbody as being covered by the existing DEP Adopted Mercury TMDL. The department has confirmed that the impairment is due to the same sources identified in the existing DEP Adopted Mercury TMDL and this parameter will remain in category 4a.
D		2718A	Tumblin-Creek	Stream	3F	Escherichia-coli		≤ 410 Counts / 100 mL	NA	4e	4e	Ongoing-Restoration-Activities		17/25	23/36	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. However, this waterbody is being placed in category 4e and added to the Study List because there is a DEP Adopted – EPA Approved Fecal Coliform TMDL and it is included in the approved Orange Creek Basin Management Action Plan which has restoration activities that will address the bacteria impairment for this waterbody. The department is requesting EPA remove Fecal Coliform from the 303(d) List and add this parameter to the 303(d) List.
D		2732A	Higginbotham-Lake	Lake	3F	Mercury (in fish-tissue)		Exceeds DoH-Threshold (> 0.3 ppm)	3e	3a	3a	No-Data		Assessment-based-on-DOH-Fish-Tissue-Studies	Assessment-based-on-DOH-Fish-Tissue-Studies	This waterbody has no data available to assess for this parameter and will be placed in category 3a (no data). The waterbody was previously placed on the Planning List based on a flaw in analysis.
D		2756	Mill-Creek	Stream	3F	Iron		≤ 1.0 mg/L	3b	4e	4e	Natural-Condition		72/80	83/94	This waterbody is impaired for this parameter based on the number of exceedances for the sample size but is being placed in category 4c because it has been determined that the impairment is due to natural conditions. There are biological data that validate attainment of the designated use, meeting paragraph 62-303.420(1)(a), F.A.C.
D		2769	Daisy-Creek	Stream	3F	Iron		≤ 1.0 mg/L	3b	4e	4e	Natural-Condition		27/35	30/35	This waterbody is impaired for this parameter based on the number of exceedances for the sample size but is being placed in category 4c because it has been determined that the impairment is due to natural conditions.
D		2774	Half Mile-Creek	Stream	3F	Iron		≤ 1.0 mg/L	3a	4e	4e	Natural-Condition		29/47	37/73	This waterbody is impaired for this parameter based on the number of exceedances for the sample size but is being placed in category 4c because it has been determined that the impairment is due to natural conditions.

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On Draft List (D)	On Revised List (R)	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	Pollutant of Concern for Dissolved Oxygen/Biology Assessment	Criterion Concentration or Threshold Not Met	† Previous Cycle Summary Assessment Category ²	† Cycle 4 Assessment Category ³	† Integrated Report Category Summary Assessment	Summary Assessment Status	Priority for TMDL Development ⁴	Planning Period Assessment Data ⁵	Verified Period Assessment Data ⁵	Comments
D		2783F	Lake Catherine	Lake	3F	Mercury (in fish tissue)		Exceeds DoH-Threshold (> 0.3 ppm)	4a	4a	4a	TMDL Complete		Assessment based on DOH Fish Tissue Studies	Assessment based on DOH Fish Tissue Studies	This waterbody is impaired for this parameter based on DOH fish consumption advisory data from 2015 for 9 Largemouth Bass with an average mercury concentration of 0.85 ppm. This waterbody was placed in category 4a in the previous assessment cycle, but EPA deferred action on approving the waterbody as being covered by the existing DEP Adopted Mercury TMDL. The department has confirmed that the impairment is due to the same sources identified in the existing DEP Adopted Mercury TMDL and this parameter will remain in category 4a.
D		2790A	Lake Weir	Lake	3F	Mercury (in fish tissue)		Exceeds DoH-Threshold (> 0.3 ppm)	4a	4a	4a	TMDL Complete		Assessment based on DOH Fish Tissue Studies	Assessment based on DOH Fish Tissue Studies	This waterbody is impaired for this parameter based on DOH fish consumption advisory data from 2012 for 8 Largemouth Bass with an average mercury concentration of 0.63 ppm. This waterbody was placed in category 4a in the previous assessment cycle, but EPA deferred action on approving the waterbody as being covered by the existing DEP Adopted Mercury TMDL. The department has confirmed that the impairment is due to the same sources identified in the existing DEP Adopted Mercury TMDL and this parameter will remain in category 4a.
D		2807A	Lake Yale	Lake	3F	Mercury (in fish tissue)		Exceeds DoH-Threshold (> 0.3 ppm)	4a	3b	4a	TMDL complete		Assessment based on DOH Fish Tissue Studies	Assessment based on DOH Fish Tissue Studies	This waterbody has insufficient data available to assess for this parameter in this cycle. This waterbody was placed in category 4a in the previous assessment cycle, but EPA deferred action on approving the waterbody as being covered by the existing DEP Adopted Mercury TMDL. The department has confirmed that the impairment is due to the same sources identified in the existing DEP Adopted Mercury TMDL and this parameter will remain in category 4a.
D		2839F	Lake Emma	Lake	3F	Mercury (in fish tissue)		Exceeds DoH-Threshold (> 0.3 ppm)	4a	4a	4a	TMDL Complete		Assessment based on DOH Fish Tissue Studies	Assessment based on DOH Fish Tissue Studies	This waterbody is impaired for this parameter based on DOH fish consumption advisory data from 2015 for 12 Largemouth Bass with an average mercury concentration of 0.82 ppm. This waterbody was placed in category 4a in the previous assessment cycle, but EPA deferred action on approving the waterbody as being covered by the existing DEP Adopted Mercury TMDL. The department has confirmed that the impairment is due to the same sources identified in the existing DEP Adopted Mercury TMDL and this parameter will remain in category 4a.

NOTE: ROWS HIGHLIGHTED IN GRAY ARE NEW ADDITIONS TO THE REVISED LIST; ROWS WITH A STRIKETHROUGH ARE NOT INTENDED TO BE INCLUDED ON THE FINAL LISTS.

¹ Florida's waterbody classifications are defined as:

- 1 - Potable water supplies
- 2 - Shellfish propagation or harvesting
- 3F - Recreation, propagation, and maintenance of a healthy, well-balanced population of fish and wildlife in fresh water
- 3M - Recreation, propagation, and maintenance of a healthy, well-balanced population of fish and wildlife in marine water
- 4 - Agricultural water supplies
- 5 - Navigation, utility, and industrial use

² The Cycle 1 assessment was completed in 2002 and included data from that assessment period (January 1, 1989 through June 30, 2002).

The Cycle 2 assessment was completed in 2009 and included data from that assessment period (January 1, 1995 through June 30, 2007).

The Cycle 3 assessment was completed in 2013 and included data from that assessment period (January 1, 2000 through June 30, 2012).

³ The Cycle 4 assessment is the current assessment and includes data from the Planning Period (January 1, 2006 through December 31, 2015) and the Verified Period (January 1, 2011 through June 30, 2018).

⁴ EPA's Integrated Report Category:

- 1 - Attains all designated uses.
- 2 - Attains some designated uses and insufficient or no information or data are present to determine if remaining uses are attained.
- 3a - No data and information are present to determine if any designated use is attained.
- 3b - Some data and information are present but not enough to determine if any designated use is attained.
- 3c - Enough data and information are present to determine that one or more designated uses may not be attained according to the Planning List methodology.

Ocklawaha Group 1 Basin - Northeast District - Cycle 4 REVISED Verified List

On Draft List (D)	On Revised List (R)	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	Pollutant of Concern for Dissolved Oxygen/Biology Assessment	Criterion Concentration or Threshold Not Met	† Previous Cycle Summary Assessment Category ²	† Cycle 4 Assessment Category ³	† Integrated Report Category Summary Assessment	Summary Assessment Status	Priority for TMDL Development ⁴	Planning Period Assessment Data ⁵	Verified Period Assessment Data ⁵	Comments
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4a - Impaired for one or more designated uses but does not require TMDL development because a TMDL has already been completed.

4b - Impaired for one or more designated uses but does not require TMDL development because the water will attain water quality standards due to existing or proposed measures.

4c - Impaired for one or more criteria or designated uses but does not require TMDL development because impairment is not caused by a pollutant.

4d - Waterbody indicates nonattainment of water quality standards, but the Department does not have enough information to determine a causative pollutant; or current data show a potentially adverse trend in nutrients or nutrient response variables; or there are exceedances of stream nutrient thresholds, but the Department does not have enough information to fully assess nonattainment of the stream nutrient standard.

4e - Waterbody indicates nonattainment of water quality standards and pollution control mechanisms or restoration activities are in progress or planned to address nonattainment of water quality standards, but the Department does not have enough information to fully evaluate whether proposed pollution mechanisms will result in attainment of water quality standards.

5 - Water quality standards are not attained and a TMDL is required.

⁴ TMDL priorities of High, Medium, and Low are determined per rule 62-303.500, F.A.C. For Mercury (In Fish Tissue) Listings, a statewide TMDL for mercury was adopted in 2012.

⁵ Where data are presented as x/y, x represents the number of exceedances and y represents the total number of samples.

Where Biology data are presented as SCI (n=y), y represents the total number of samples; WBID Mean is the average value of all temporally independent biological health assessment scores over the assessment period; Mean 1 is the first temporally independent average of all biological health assessments within the most recent consecutive three month period; Mean 2 is the second temporally independent average of all biological health assessments within the most recent consecutive three month period prior to the most recent biological health assessment.

^ Beach advisories are based on FL Dept of Health Enterococcus criterion of >70 CFU/100mL. Beach advisory data are provided by the Florida Department of Health 2017 Beach Advisories.

Fish advisory data are provided by the Florida Department of Health 2018 Fish Advisories.

Abbreviations: WBID - Waterbody Identification; NA - Not Applicable, does not apply, or was not assessed in the previous cycle (i.e. it's a new WBID, waterbody type change, etc.);

ENR - Estuary Nutrient Region; AAM - Annual Arithmetic Mean; AGM - Annual Geometric Mean; LTA - Long Term Average; LTAAM - Long Term Annual Arithmetic Mean; SSAC - Site Specific Alternative Criteria; WQBEL - Water Quality Based Effluent Limit.

The Group 1 Ocklawaha Revised Verified List is based on IWR Run 56 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 2/17/2016.