

Amendments to the Group 1 Lists

OGC Case Number	Basin Group	Planning Unit	WBID	Water Segment Name	Waterbody Type	Water-body Class <sup>1</sup>	1998 303(d) Param. Of Concern	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	Dissolved Oxygen/ Nutrient/Biology Pollutant of Concern	DO / Nutrient / Biology - TN, TP, BOD median Values (mg/L) <sup>2</sup>	Concentration of Criterion or Threshold <u>Not</u> Met	Previous EPA Integrated Report Category † - Cycle 1 Assessment <sup>4</sup>	Current EPA Integrated Report Category † - Cycle 2 Assessment <sup>5</sup>	Current Integrated Category - Final Assessment	Current Assessment Status	Priority for TMDL Development <sup>6</sup>	Planning Period (# of Exceedances/ # of Samples) <sup>7</sup>	Verified Period (# of Exceedances/ # of Samples) <sup>8</sup>	Comments	Action
10-0615	Group 1 - Everglades West Coast	Southwest Coast	8065	Southwest Coast Gulf 5	Coastal	3M		Bacteria (in shellfish)			Exceeds Shellfish Evaluation & Assessment Section (SEAS) thresholds	5	5	5	Impaired	Low	N/A	N/A	Listed on Cycle 1 Verified List based on change in shellfish harvesting classification (Downgraded from approved to conditional). Current classification effective as of September 28, 2004 Conditionally Approved, so therefore it remains on the Verified list as impaired. This WBID is meant to include shellfish downgrades for the Ten Thousand Islands shellfish harvesting area. Although this listing also appears on the delist, this is an error. It is not meant to be delisted and will be removed from the cycle 2 Delist list in Jan. 2010.	Remove from Group 1 Cycle 2 Delist List
10-0616	Group 1 - Lake Okeechobee	Lake Okeechobee	3212A	Lake Okeechobee	Lake	1		Iron			≤ 1.0 mg/L	4c	5	5	Impaired	Low	53/132	10/30	PP=53/132; VP=10/30 Natural condition documentation insufficient for EPA approval, therefore this will be assessed as impaired and added to the 303(d) list.A TMDL has been proposed by EPA, 2/23/2005.	Add to Group 1 Cycle 2 verified list
10-0617	Group 1 - Lake Okeechobee	Lake Okeechobee	3212C	Lake Okeechobee	Lake	1		Iron			≤ 1.0 mg/L	4c	5	5	Impaired	Low	29/93	14/25	PP=29/93; VP=14/25 Natural condition documentation insufficient for EPA approval, therefore this will be assessed as impaired and added to the 303(d) list.A TMDL has been proposed by EPA, 2/23/2005.	Add to Group 1 Cycle 2 verified list
10-0618	Group 1 - Lake Okeechobee	Lake Okeechobee	3212D	Lake Okeechobee	Lake	1	Iron	Iron			≤ 1.0 mg/L	3c	5	5	Impaired	Low	87/195	11/15	PP=87/195; VP=11/15 Natural condition documentation insufficient for EPA approval, therefore this will be assessed as impaired and added to the 303(d) list.A TMDL has been proposed by EPA, 2/23/2005.	Add to Group 1 Cycle 2 verified list
10-0619	Group 1 - Lake Okeechobee	Lake Okeechobee	3212E	Lake Okeechobee	Lake	1	Iron	Iron			≤ 1.0 mg/L	3c	5	5	Impaired	Low	90/100	30/30	PP=90/100; VP=30/30 Natural condition documentation insufficient for EPA approval, therefore this will be assessed as impaired and added to the 303(d) list.A TMDL has been proposed by EPA, 2/23/2005.	Add to Group 1 Cycle 2 verified list
10-0620	Group 1 - Lake Okeechobee	Lake Okeechobee	3212F	Lake Okeechobee	Lake	1		Iron			≤ 1.0 mg/L	4c	5	5	Impaired	Low	81/160	11/20	PP=81/160; VP=11/20 Natural condition documentation insufficient for EPA approval, therefore this will be assessed as impaired and added to the 303(d) list.A TMDL has been proposed by EPA, 2/23/2005.	Add to Group 1 Cycle 2 verified list
10-0621	Group 1 - Lake Okeechobee	Lake Okeechobee	3212H	Lake Okeechobee	Lake	1		Iron			≤ 1.0 mg/L	4c	5	5	Impaired	Low	41/101	9/22	PP=41/101; VP=9/22 Natural condition documentation insufficient for EPA approval, therefore this will be assessed as impaired and added to the 303(d) list. A TMDL has been proposed by EPA, 2/23/2005.	Add to Group 1 Cycle 2 verified list
10-0622	Group 1 - Ocklawaha	Orange Creek	2695	Little Hatchet Creek	Stream	3F		Dissolved Oxygen		TN = 0.27 (n=194), TP = 0.85 (n=191), BOD = 0.7 (n=48)	≥ 5.0 mg/L	5	4d	4d	No Causative Pollutant		44/181	42/176	pp = 44 / 181 Potentially impaired; vp = 42 / 176 impaired. DO met the verification threshold, but a causative pollutant could not be determined. It was initially thought to be due to natural conditions, but after further review category 4d was determined to be more appropriate. 191 TP measurements, median 0.85 mg/L 194 TN measurements, median 0.27 mg/L. 48 BOD measurements, median 0.7 mg/L. This waterbody will be included on the 303(d) list based on the cycle 1 assessment.	Remove from Group 1 Cycle 2 Delist List

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10-0623	Group 1 - St. Marks / Ochlockonee River	Sopchoppy River	1248C	Ochlockonee Bay	Stream	2		Fecal Coliform (3)			median < 14 MPN/100mL	2	2	2	Not Impaired		9/102	6/54	Waterbody met water quality standards. Although the waterbody does not exceed the criterion of a median >14 MPN/100mL (62-303.370(4)), it does exceed the 43 MPN/100mL criterion; therefore the waterbody should not have been delisted for this prong of the fecal coliform parameter and will remain on the 303(d) list. Some data were removed because it did not meet QA/QC requirements.	Remove from Group 1 Cycle 2 Delist List
10-0624	Group 1 - St. Marks / Ochlockonee River	St. Marks River	628	Black Creek	Stream	3F	Dissolved Oxygen	Dissolved Oxygen		TN=0.604 (n=47), TP=0.0615 (n=28), BOD= 2 (n=40)	≥ 5.0 mg/L		4d	4d	No Causative Pollutant		26/55	12/46	PP = 26 / 55; VP = 12 / 46 DO met verification threshold of IWR, but a causative pollutant could not be determined. TN, TP, BOD medians were all below thresholds. PP Insufficient TN, TP data, No BOD data; VP median TN= 0.604mg/L (n=47), median TP= 0.0615mg/L (n=28), median BOD= 2mg/L (n=40). This waterbody will be included on the 303(d) list.	Remove from Group 1 Cycle 2 Delist List
10-0625	Group 1 - St. Marks / Ochlockonee River	Lake Lafayette	756	Lake Lafayette Drain	Stream	3F	Fecal Coliform	Fecal Coliform			≥ 5.0 mg/L		4d	4d	No Causative Pollutant		3/23	1/16	PP = 3 / 23; VP = 1 / 16. FDEP drafted a TMDL in 2003 and EPA used this TMDL to help establish their TMDL on 10/31/2006, but newer data indicate the waterbody is not impaired. This waterbody was mistakenly adopted on the G2 Delist list. There is insufficient data to delist therefore it will remain on the 303(d) list pursuant to 62-303.300(2).	Remove from Group 1 Cycle 2 Delist List
10-0626	Group 1 - St. Marks / Ochlockonee River	Lake Jackson	809	Megginnis Arm Run	Stream	3F	Dissolved Oxygen	Dissolved Oxygen		TN=0.4705 (n=30), TP=0.11(n=32), BOD= 2 (n=31)	≥ 5.0 mg/L		4d	4d	No Causative Pollutant		10/22	19/44	PP = 10 / 22; VP = 19 / 44 DO met verification threshold of IWR, but a causative pollutant could not be determined. PP median TN= 0.459mg/L (n=121), median TP=0.059mg/L (n=122), insufficient BOD data; VP median TN= 0.4705mg/L (n=30), median TP= 0.11mg/L (n=32), median BOD= 2mg/L (n=31). This waterbody will be included on the 303(d) list.	Remove from Group 1 Cycle 2 Delist List
10-0627	Group 1 - Suwannee	Upper Suwannee	3392	Roaring Creek	Stream	3F	Dissolved Oxygen	Dissolved Oxygen		TN = 1.25 (n=15), TP = 0.54 (n=15), BOD = 2 (n=16)	≥ 5.0 mg/L	3c	4d	4d	No Causative Pollutant	Low	11/42	9/19	This is a blackwater stream. pp = 11 / 42; vp = 9 / 19. DO met verification threshold of IWR, but no causative pollutant could be identified. PP - median TN = 0.82 mg/L (n=82), median TP = 0.173 mg/L (n=82), median BOD = 2.4 mg/L (n=1). VP - median TN = 1.25 mg/L (n=15), median TP = 0.54 mg/L (n=15), median BOD = 2 mg/L (n=16). This waterbody will be included on the 303(d) list.	Remove from Group 1 Cycle 2 Delist List
10-0628	Group 1 - Suwannee	Upper Suwannee	3401	Camp Branch	Stream	3F	Dissolved Oxygen	Dissolved Oxygen		TN = 1.12 (n=44), TP = 1.1 (n=45), BOD = 0.3 (n=16)	≥ 5.0 mg/L	3c	4d	4d	No Causative Pollutant	Low	32/80	12/45	pp = 32 / 80; vp = 12 / 45. DO met verification threshold of IWR, but no causative pollutant could be identified. PP - median TN = 0.84 mg/L (n=109), median TP = 0.929 mg/L (n=112), median BOD = 0.3 mg/L (n=16). VP - median TN = 1.12 mg/L (n=44), median TP = 1.1 mg/L (n=45), median BOD = 0.3 mg/L (n=16). This waterbody will be included on the 303(d) list.	Remove from Group 1 Cycle 2 Delist List

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10-0629	Group 1 - Suwannee	Fenholloway	3473A	Fenholloway At Mouth	Estuary	3M	Nutrients	Nutrients (Chlorophyll-a)		TN = 2.39 (n=51), TP = 0.643 (n=51), BOD = 3.5 (n=18)	≤ 11 µg/L	3c	2	3c	Planning List		Insufficient data	1 ug/L (2006)	Annual averages did not exceed the 11 µg/L threshold for estuaries. There were 21 corrected chl-a values reported between 2/1999 and 11/2006. All the values were < 1 µg/L. Only annual average is from 2006 - 1 µg/L. This WBID appears on the Delist and Verified list in error. There is insufficient data to verify impairment based on chl-a data, however nutrients are the causative pollutant for the DO impairment. There is also insufficient data to delist therefore it remains on the 1998 303(d) list in category 3c.	Remove from Group 1 Cycle 2 Verified List & Delist List
10-0630	Group 1 - Suwannee	Santa Fe River	3578	Fivemile Creek	Stream	3F	Dissolved Oxygen	Dissolved Oxygen		TN = 1.75 (n=12), TP = 0.095 (n=12), BOD = 2 (n=14)	≥ 5.0 mg/L	3b	4d	4d	No Causative Pollutant		3/7	13/26	This is a blackwater stream. pp = 3 / 7; vp = 13 / 26. DO met verification threshold of IWR, however a causative pollutant could not be determined. PP median TN = 1.42 mg/L (n=3), median TP = 0.067 mg/L (n=3), median BOD = 1.2 (n=3). VP - median TN = 1.75 mg/L (n=12), median TP = 0.095 mg/L (n=12), median BOD = 2 mg/L (n=14). This waterbody will be included on the 303(d) list.	Remove from Group 1 Cycle 2 Delist List
10-0631	Group 1 - Suwannee	Santa Fe River	3641	Rocky Creek	Stream	3F	Dissolved Oxygen	Dissolved Oxygen		TN = 1.31 (n=35), TP = 0.28 (n=39), BOD = 2 (n=17)	≥ 5.0 mg/L	3c	4d	4d	No Causative Pollutant	Low	13/17	19/26	pp = 13 / 17; vp = 19 / 26. DO met verification threshold of IWR, but no causative pollutant was identified. PP - median TN = 1.13 mg/L (n=30), median TP = 0.28 mg/L (n=33), median BOD = 1.4 (n=8). VP - median TN = 1.31 mg/L (n=35), median TP = 0.28 mg/L (n=39), median BOD = 2 mg/L (n=17). Exploring geology to determine if elevated phosphorus is due to natural soil conditions. Landscape Development Intensity (LDI) index = 1.80, indicating that the watershed is nearly 100% natural (only approximately 6.65% of this WBID is comprised of anthropogenic land uses). This waterbody will be included on the 303(d) list.	Remove from Group 1 Cycle 2 Delist List
10-0632	Group 1 - Suwannee	Waccasassa River	3747	Little Waccasassa River	Stream	3F	Dissolved Oxygen	Dissolved Oxygen		TN = 1.56 (n=11), TP = 0.072 (n=12), BOD = 2 (n=16)	≥ 5.0 mg/L	3c	4d	4d	No Causative Pollutant	Low	1/1	12/18	pp = 1 / 1; vp = 12 / 18. DO met verification threshold of IWR. TN, TP, and BOD medians are all below the thresholds for streams. PP - no TN data, no TP data, no BOD data. VP - median TN = 1.56 mg/L (n=11), median TP = 0.072 mg/L (n=12), median BOD = 2 mg/L (n=16). Landscape Development Intensity (LDI) index = 1.52, indicating that the watershed is nearly 100% natural lands. This waterbody will be included on the 303(d) list.	Remove from Group 1 Cycle 2 Delist List

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10-0633	Group 1 - Tampa Bay	Hillsborough Bay	1558D	Hillsborough Bay Lower	Estuary	3M		Nutrients (Chlorophyll-a)		TN = 0.6 (n=440), TP = 0.22 (n=448), BOD = 1.5 (n=318)	≤ 11 µg/L	4c	4b	4b	Reasonable Assurance		N/A	N/A	pp = Planning list; vp = Verified impaired. Annual average Chl-a values exceeded 15 ug/l (alternative threshold) in 2001 and 2003, and exceedance values were 17.25 and 17.90 ug/L, respectively. Nitrogen is the limiting nutrient based on a median TN/TP ratio of 2.6 (440 values). Verified period median TN = 0.6 mg/l (440 values), median TP = 0.22 mg/l (448 values), and BOD median = 1.5 mg/l (318 values). The Department has approved the Tampa Bay Reasonable Assurance Plan update to address segment's nutrient impairment, contingent upon plan being finalized. Category 4c in cycle 1 is equivalent to 4b in cycle 2. EPA has established a TMDL for this waterbody-parameter.	Remove from Group 1 Cycle 2 Verified List
10-0634	Group 1 - Tampa Bay	Coastal Hillsborough Bay Tributary	1584A	Ybor City Drain	Estuary	3M	Biochemical Oxygen Demand	Dissolved Oxygen			N/A (based on DO)		5	5	Impaired	High	20/36	27/44	Based on DO assessment: Verified impaired. Nutrients (total nitrogen and total phosphorus) were identified as the causative pollutants based on Chl-a data/nutrient impairment. Verified period median TN = 1.46 mg/L (22 values), median TP = 0.33 mg/L (22 values), median BOD = 1.8 mg/L (24 values). In Cycle 1, this WBID was considered to be in the Group 2 basin, however it was later moved to the Group 1 basin. Delisting in Cycle 1 not approved by EPA and DO is impaired, therefore this should be removed from the Group 2 Cycle 1 Delist list and added to the Group 1 Cycle 2 Verified list.	Remove from Group 2 Cycle 1 Delist List & add to Group 1 Cycle 2 Verified List
10-0635	Group 1 - Tampa Bay	Coastal Hillsborough Bay Tributary	1584A	Ybor City Drain	Estuary	3M	Chemical Oxygen Demand	Dissolved Oxygen			N/A (based on DO)		5	5	Impaired	High	20/36	27/44	Based on DO assessment: Verified impaired. Nutrients (total nitrogen and total phosphorus) were identified as the causative pollutants based on Chl-a data/nutrient impairment. Verified period median TN = 1.46 mg/L (22 values), median TP = 0.33 mg/L (22 values), median BOD = 1.8 mg/L (24 values). In Cycle 1, this WBID was considered to be in the Group 2 basin, however it was later moved to the Group 1 basin. Delisting in Cycle 1 not approved by EPA and DO is impaired, therefore this should be removed from the Group 2 Cycle 1 Delist list and added to the Group 1 Cycle 2 Verified list.	Remove from Group 2 Cycle 1 Delist List & add to Group 1 Cycle 2 Verified List

<sup>1</sup> 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

<sup>2</sup> n is equal to the number of samples. When samples are collected at the same location less than 4 days apart, the median of those results represents a single sample for the purpose of determining n.

<sup>4</sup> The Cycle 1 assessment was done in 2004 and included data from that Verified Period (January 1, 1997 through June 30, 2004).

<sup>5</sup> The Cycle 2 assessment is the current assessment and includes data from the Verified Period (January 1, 2002 through June 30, 2009).

<sup>†</sup> 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

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<sup>4</sup>A - Impaired for one or more designated uses but does not require TMDL development because a TMDL has already been completed.

<sup>4</sup>B - 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 as part of an approved Reasonable Assurance .

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

<sup>4</sup>D - The waterbody does not meet applicable criteria, but no pollutant can be identified; therefore a TMDL will not be developed at this time.

<sup>4</sup>E - Impaired, but recently completed or on-going restoration activities are underway to restore the designated uses of the waterbody.

<sup>5</sup> - Water quality standards are not attained and a TMDL is required.

<sup>6</sup> Where a parameter was identified as impaired, a priority of "medium" was assigned. Exceptions are waters where the impairment poses a threat to potable water or human health, which have been assigned a "high" priority, and fecal coliform impairments, which have been assigned a "low" priority. All other listings as of this cycle are prioritized based on the following: it is our intent that listings with a "High" priority be addressed within the next 5 years, listings with a "Medium" priority be addressed within 5-10 years as resources allow, and listings with a "Low" priority be addressed within the next 10 years.

<sup>8</sup> **VP** - Verified Period Group 5 (January 1, 1999 through June 30, 2006), Group 1 (January 1, 2000 through June 30, 2007), Group 2 (January 1, 2001 through June 30, 2008)

<sup>\*</sup> A statewide TMDL for mercury, that will address this waterbody, is scheduled to be completed in 2012.

N/A = Not Applicable, does not apply, or was not assessed in the previous cycle (i.e. it's a new WBID, waterbody type change, etc.).

The Group 1 assessments are based on IWR Run 32.