

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

In re: REVISED VERIFIED LIST OF IMPAIRED WATERS FOR GROUP 2 BASINS; FINAL ASSESSMENT OF GROUP 2 BASIN WATERS COVERED BY THE STATEWIDE MERCURY TMDL; AMENDMENT TO THE VERIFIED LIST OF IMPAIRED WATERS FOR GROUP 3 AND 5 BASINS; FINAL ASSESSMENT DETERMINATION FOR TWO WATERS IN THE GROUP 1 BASINS

OGC Nos.: 20-0241 – 20-0631

ORDER

Pursuant to Section 403.067(4), Florida Statutes ("Fla. Stat."), and Chapter 62-303, Florida Administrative Code ("F.A.C."), the Florida Department of Environmental Protection ("department") is 1) adopting revisions to the Verified List of Impaired Waters for the Group 2 basins which include: Apalachicola - Chipola River, Charlotte Harbor, Lower St. Johns, Middle St. Johns, St. Lucie - Loxahatchee River, and Tampa Bay Tributaries; 2) finalizing the assessment for Group 2 Basin Waters Covered by the Statewide Mercury Total Maximum Daily Load; 3) adopting an amendment to the Verified List of Impaired Waters for one waterbody in the Group 3 Upper St. Johns basin; 4) adopting an amendment to the Verified List of Impaired Waters for two waterbodies in the Group 5 Indian River Lagoon basin; and 5) finalizing the assessment determination for two waterbodies in the Group 1 Ochlockonee – St. Marks basin.

The identification of impaired waters is a critical component of the department's comprehensive process to scientifically assess Florida's surface waters and restore

those waterbodies not meeting their designated uses (e.g., recreation, a healthy, well-balanced aquatic ecosystem, etc.). To facilitate this process, the department has divided the surface waters of the State into five basin groups, with one group being assessed each year.

This Order addresses revisions to the previously adopted Verified Lists for waters in the Group 2 basins.¹ These revisions affect those waters in the Group 2 basins that have been assessed according to Chapter 62-303, F.A.C., since the last Group 2 assessment cycle, and based on this updated information, waters are being added to the Verified List as impaired or are being delisted.² These assessments resulted in 208 new verified impairments being added to the Verified List and 178 impairments being removed from the Verified List. Newly verified impaired waters within the Group 2 basins are set forth in Exhibit 1, attached hereto and incorporated herein, and titled, 2020 VERIFIED LIST OF IMPAIRED WATERS, GROUP 2 BASINS. Waters that the department is removing from the previously adopted Verified List are included in Exhibit 2, attached hereto and incorporated herein, and titled 2020 LIST OF WATERS TO BE DELISTED, GROUP 2 BASINS.

This Order includes a list of Group 2 waterbodies that do not attain their designated use for Fish Consumption Use Support because of mercury, but had not

¹ The department initially adopted the Group 2 Verified List in May, 2004. The Group 2 Verified List was subsequently amended in May 2009, January 2010, February 2012, February 2013, January 2014, October 2016, June 2017, and June 2018.

² Assessing the condition of the Group 2 waters involved the evaluation of over 3,500,000 data results for 1,740 waterbodies. The Group 2 basin assessments were produced with water quality and biological data included in the Impaired Waters Rule Run 58 database.

previously been verified as impaired for mercury. These additions are a result of additional fish tissue data that demonstrates mercury impairment. These newly verified waters are covered by the statewide mercury total maximum daily load (TMDL) and addendums to the TMDL will be submitted to EPA for approval. The additional Group 2 waters covered by the statewide mercury TMDL are set forth in Exhibit 3 (OGC No. 20-0627), attached hereto and incorporated herein, and titled, GROUP 2 – CYCLE 4 LIST OF WATERS COVERED BY THE STATEWIDE MERCURY TMDL.

This Order addresses one amendment to the Verified List of Impaired Waters for one water in the Group 3 Upper St. Johns Basin³. The department last updated the Group 3 basin assessments in October 2016 and amendments were adopted in June 2017 and October 2019. Blue Cypress Lake located in Indian River County is the headwaters lake to the St. Johns River and has experienced prolonged harmful algal blooms and shows increases in nutrient concentrations in the lake. The lake currently exceeds the applicable total phosphorus criterion and as a result, the department is adding total phosphorus to the Verified List of Impaired Waters. This amendment is set forth in Exhibit 4, attached hereto and incorporated herein, and titled, 2020 AMENDMENT TO THE VERIFIED LIST OF IMPAIRED WATERS, GROUP 3 UPPER ST. JOHNS BASIN.

This Order also addresses three amendments to the Verified List of Impaired

³ The department initially adopted the Group 3 Verified List in June 2005. The Group 3 Verified List was subsequently amended in May 2006, January 2010, February 2012, January 2014, October 2016, June 2017, and October 2019.

Waters for two waters in the Group 5 Indian River Lagoon Basin⁴. The department last updated the Group 5 basin assessments in June 2018 and amendments were adopted in September 2019. Subsequent to the recent amendments, the department received information from the Indian River County Department of Utility Services (Utility) to substantiate the primary use and function of three canals (North Canal – WBID 3147, Main Canal – WBID 3153A, and South Canal – WBID 3158) located within the Indian River Farms Water Control District. Based on the data and information provided by the Utility and available to the department, there is sufficient documentation to demonstrate that the three primary canals (and lateral canal segments) do not meet the department’s definition of a “stream” as identified in paragraph 62-302.200(36)(b), F.A.C. As a result, the department is removing three impairments from the Verified List of Impaired Waters. This amendment is set forth in Exhibit 5, attached hereto and incorporated herein, and titled, 2020 AMENDMENTS TO THE VERIFIED LIST OF IMPAIRED WATERS, GROUP 5 INDIAN RIVER LAGOON BASIN.

Lastly, this order is finalizing the assessment determination for two waters in the Group 1 Ochlockonee – St. Marks basin. On October 2, 2019, the department initially proposed the following waters for inclusion on the Verified List: Lake Munson (WBID 807C) for PCBs (in fish tissue) and a fish consumption advisory (OGC No.: 19-0568) and Megginnis Arm Run (WBID 809B) for fecal coliforms (OGC Case No.: 19-0569). The City of Tallahassee (COT) timely requested and was granted an

⁴ The department initially adopted the Group 5 Verified List in May 2009. The Group 5 Verified List was subsequently amended in January 2010, February 2012, January 2014, June 2018, and September 2019.

extension of time on these proposed listings which kept the agency action from becoming final.

For Lake Munson, the department subsequently coordinated with the Florida Fish and Wildlife Conservation Commission (FWC) to collect fish tissue samples from Lake Munson and requested a consultation by the Florida Department of Health (DOH) who issues fish consumption advisories. Sufficient fish samples were collected by FWC and based on the concentrations of PCBs in the toxicology report produced by DOH, the fish consumption recommendation for Lake Munson will be two meals per week, which is the DOH default recommendation when no advisory is in place. As a result, the department will not be adding Lake Munson to the Verified List for PCBs (in fish tissue).

For Megginnis Arm Run, the department subsequently coordinated with water quality monitoring staff from the COT to acquire additional *Escherichia coli* data collected through their routine ambient water quality monitoring program. The additional bacteria data collected on August 6, 2018 and October 16, 2018 yields only three exceedances out of twenty samples and meets the data sufficiency requirements to be assessed as not impaired. As a result, the department will not be adding Megginnis Arm Run to the Verified List for bacteria.

The changes in this Order are made in accordance with Chapter 62-303, F.A.C., and Section 403.067, Fla. Stat., and will be submitted to EPA with the intent of amending Florida's 303(d) list. This Order revises the previously adopted Statelists. TMDLs will be established for waters on the Verified List based on the department's TMDL prioritization schedule and as set forth in Chapter 62-303,

F.A.C.

Notice of Rights

The department's proposed agency action shall become final unless a timely petition for administrative hearing is filed under Sections 120.569 and 120.57, Fla. Stat., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

Persons whose substantial interests are affected by this Order have a right to petition for an administrative hearing to contest this Order pursuant to Sections 120.569 and 120.57, Fla. Stat. The Petition must contain the information set forth below and must be filed (received) in the department's Office of General Counsel, 3900 Commonwealth Boulevard, MS# 35, Tallahassee, Florida 32399-3000, within 21 days of the date of receipt of this Order, or 21 days of the date of publication of notice of this Order, whichever occurs first. Failure to file a petition within 21 days of the date of publication of notice or receipt of written notice of this Order, whichever occurs first, constitutes a waiver of any right such person has to an administrative hearing pursuant to Sections 120.569 and 120.57, Fla. Stat. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-106.205, F.A.C.

Extensions of Time

The department may, for good cause shown, grant a request for an extension of time for filing a petition. Requests for extension of time must be filed with the department prior to the applicable deadline. Such requests for extensions of time shall contain a certificate that the moving party has consulted with all other parties, if

any, concerning the extension and whether any other parties agree to the extension. A timely request for an extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Contesting A Water Body Or Water Segment Not Listed

A person whose substantial interest has been affected by the department choosing not to include a water segment on the basin Verified Lists must file a petition as directed herein.

Contesting The Listing Of A Water Segment

A person whose substantial interest has been affected by the department's listing of a water segment on the basin Verified List must file a petition as directed herein using OGC number listed for that particular water segment.

Contents of Petition for Hearing

A petition that disputes the material facts on which the department's action is based must contain the following information: (a) the name and address of each agency affected and each agency's file or identification number, if known, including the department's identification number (OGC number) for the water segment and the county in which the subject matter or activity is located; (b) the name, address, any e-mail address, any facsimile number, and telephone number of each petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) a statement of how and when each petitioner received notice of this

Order; (d) a statement of all the material facts disputed by petitioner. If there are none, the petition must so indicate; (e) a concise statement of the ultimate facts alleged, including the specific facts which petitioner contends warrant reversal or modification of this Order; (f) a statement of the specific rules or statutes petitioner contends require reversal or modification of this Order, including an explanation of how the alleged facts relate to the specific rules or statutes; and (g) a statement of the relief sought by petitioner, stating precisely the action petitioner wants the department to take with respect to this Order. A petition that does not dispute the material facts on which the department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28- 106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means the department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the department with regard to the subject order have the right to petition to become a party to the proceeding.

Mediation

Mediation is not available.

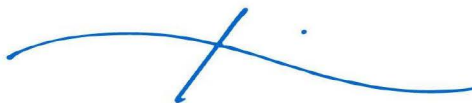
Judicial Review

This Order is final agency action unless a person who is substantially affected by the department's proposed agency action timely requests a hearing under Sections 120.569 and 120.57, Fla. Stat. A party who is adversely affected by this Order has the right to seek judicial review under Section 120.68, Fla. Stat., by filing a notice of appeal under Rule 9.110, Florida Rules of Appellate Procedure,

with the clerk of the department in the Office of the General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this Order is filed with the clerk of the department.

DONE AND ORDERED this 30th day of April, 2020, in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Noah Valenstein
Secretary

FILED ON THIS DATE PURSUANT TO § 120.52,
FLORIDA STATUTES, WITH THE DESIGNATED
DEPARTMENT CLERK, RECEIPT OF WHICH IS
HEREBY ACKNOWLEDGED.



CLERK

04/30/2020

DATE

EXHIBIT 1

2020 VERIFIED LIST OF IMPAIRED WATERS, GROUP 2 BASINS

Apalachicola - Chipola Group 2 Basin - Northwest District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0241	1274	Apalachicola Bay	Estuary	2	Franklin	Iron		≤ 0.3 mg/L	3b	5	5	Impaired	Medium	3/3	12/12	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. However, the impairment may be due to natural conditions; therefore, the assessment is pending further analysis by DEP. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0242	1274A	East Bay	Estuary	2	Franklin	Fecal Coliform		≤ 43 MPN/100 mL	2	5	5	Impaired	Low	122/1167	69/796	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.
20-0243	1274B1	St Vincent Sound	Estuary	2	Gulf, Franklin	Fecal Coliform (SEAS Classification)		Exceeds Shellfish Environmental Assessment Section (SEAS) thresholds	NA	5	5	Impaired	High	NA	NA	This waterbody is listed as impaired for this parameter because the shellfish harvesting classification is not fully approved by the Shellfish Harvest Area Classification Program of the Department of Agriculture and Consumer Services. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0244	1274B2	Big Bayou	Estuary	2	Franklin	Fecal Coliform (SEAS Classification)		Exceeds Shellfish Environmental Assessment Section (SEAS) thresholds	NA	5	5	Impaired	High	NA	NA	This waterbody is listed as impaired for this parameter because the shellfish harvesting classification is not fully approved by the Shellfish Harvest Area Classification Program of the Department of Agriculture and Consumer Services. Additionally, fecal coliform water quality data also indicate a bacteria problem in the current assessment period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0245	1275B	East River (Shellfish Portion)	Estuary	2	Franklin	Fecal Coliform (SEAS Classification)		Exceeds Shellfish Environmental Assessment Section (SEAS) thresholds	3a	5	5	Impaired	High	NA	NA	This waterbody is listed as impaired for this parameter because the shellfish harvesting classification is not fully approved by the Shellfish Harvest Area Classification Program of the Department of Agriculture and Consumer Services. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0246	375C	Apalachicola River	Stream	3F	Gulf, Franklin	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.	2	5	5	Impaired	Medium	SCI (n=7) Mean 1 (53), Mean 2 (50)	SCI (n=4) WBID Mean (43) Mean 1 (23), Mean 2 (53)	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.
20-0247	375C	Apalachicola River	Stream	3F	Gulf, Franklin	Nutrients (Total Nitrogen)		AGM ≤ 0.67 mg/L	4d	5	5	Impaired	Medium	AGM 2007 (0.69 mg/L) 2008 (0.74 mg/L) 2009 (0.86 mg/L) 2010 (0.76 mg/L) 2011 (0.67 mg/L) 2012 (0.74 mg/L) 2013 (0.82 mg/L) 2014 (0.83 mg/L) 2015 (0.81 mg/L) 2016 (0.81 mg/L)	AGM 2012 (0.74 mg/L) 2013 (0.82 mg/L) 2014 (0.83 mg/L) 2015 (0.81 mg/L) 2016 (0.81 mg/L) 2017 (0.78 mg/L) 2018 (0.78 mg/L) 2019 (0.85 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient threshold 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.
20-0248	376A	Mosquito Creek	Stream	3F	Gadsden	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	4/11	7/22	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 and identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.

Apalachicola - Chipola Group 2 Basin - Northwest District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0249	393	South Mosquito Creek	Stream	3F	Gadsden	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	Low	1/11	8/9	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.
20-0250	487	Flat Creek	Stream	3F	Gadsden	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	Low	11/15	7/7	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.
20-0251	488	Unnamed Branch	Stream	3F	Gadsden	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	6/8	This waterbody is impaired for this parameter based on the number of exceedances for the sample size, and anthropogenic sources have been confirmed using landuse analysis. 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.
20-0252	51B	Chipola River	Stream	3F	Calhoun	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.	2	5	5	Impaired	Medium	SCI (n=12) Mean 1 (60), Mean 2 (43)	SCI (n=6) WBID Mean (49) Mean 1 (26), Mean 2 (45)	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.
20-0253	51B	Chipola River	Stream	3F	Calhoun	Nutrients (Total Nitrogen)		AGM ≤ 0.67 mg/L	4d	5	5	Impaired	Medium	AGM 2007 (0.87 mg/L) 2008 (0.99 mg/L) 2009 (1.11 mg/L) 2010 (1.12 mg/L) 2011 (0.92 mg/L) 2012 (0.93 mg/L) 2013 (1.10 mg/L) 2014 (0.97 mg/L) 2015 (1.10 mg/L) 2016 (1.09 mg/L)	AGM 2012 (0.93 mg/L) 2013 (1.10 mg/L) 2014 (0.97 mg/L) 2015 (1.10 mg/L) 2016 (1.09 mg/L) 2017 (1.14 mg/L) 2018 (1.04 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient threshold 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.
20-0254	51E	Chipola River	Stream	3F	Jackson	Nutrients (Total Nitrogen)		AGM ≤ 0.67 mg/L	3c	5	5	Impaired	Medium	AGM 2013 (1.64 mg/L)	AGM 2013 (1.64 mg/L) 2017 (2.24 mg/L) 2018 (1.85 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient threshold 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.
20-0255	52	Cowarts Creek	Stream	3F	Jackson	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	6/31	16/61	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.

Apalachicola - Chipola Group 2 Basin - Northwest District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0256	728	Sweetwater Creek	Stream	3F	Liberty	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	Low	3/13	7/7	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.
20-0257	8021A	St George Island (Franklin Boulevard)	Beach	3M	Franklin	Bacteria (Beach Advisories)		< 21 days of beach advisories	2	5	5	Impaired	High	Beach Advisories 2007 (12 days) 2008 (114 days) 2009 (5 days) 2010 (0 days) 2011 (0 days) 2012 (0 days) 2013 (0 days) 2014 (0 days) 2015 (21 days) 2016 (0 days) 2017 (0 days) 2018 (no advisory)	Beach Advisories 2012 (0 days) 2013 (0 days) 2014 (0 days) 2015 (21 days) 2016 (0 days) 2017 (0 days) 2018 (no advisory)	This waterbody is impaired for this parameter because there were 21 days or more of beach advisories in the verified period. This is a beach WBID, which is assessed solely on beach advisory information received from DOH. ^ This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.

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 2004 and included data from that assessment period (January 1, 1991 through June 30, 2003).

The Cycle 2 assessment was completed in 2009 and included data from that assessment period (January 1, 1996 through June 30, 2008).

The Cycle 3 assessment was completed in 2016 and included data from that assessment period (January 1, 2002 through June 30, 2014).

³ The Cycle 4 assessment is the current assessment and includes data from the Planning Period (January 1, 2007 through December 31, 2016) and the Verified Period (January 1, 2012 through June 30, 2019).

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.
- 2t - Attains one or more designated uses and a TMDL has already been completed.
- 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.
- 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 2018 Beach Advisories.

Fish advisory data are provided by the Florida Department of Health 2019 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.); COAA - Coastal Nutrient Region Atlantic; COAG - Coastal Nutrient Region Gulf;

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 2 Apalachicola - Chipola Final Verified List is based on IWR Run 58 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 2/17/2016.

Charlotte Harbor Group 2 Basin - South District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0258	1983A	Upper Lemon Bay	Estuary	2	Charlotte, Sarasota	Fecal Coliform (3)		≤ 14 MPN/100 mL	2	5	5	Impaired	Low	Not Impaired	Impaired	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. The waterbody includes at least one sampling location (21FLCHARLBV002) that has a median fecal coliform MPN value that exceeds 14 counts per 100 ml for the verified period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0259	2030	Alligator Creek (Tidal Segment)	Estuary	3M	Sarasota	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	12/16	17/25	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0260	2042	Woodmere Creek	Estuary	3M	Sarasota	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	No Data	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.
20-0261	2049	Gottfried Creek	Estuary	3M	Sarasota	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	Low	8/8	19/29	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0262	2065A	Charlotte Harbor (Upper Segment)	Estuary	2	Charlotte	Nutrients (Total Nitrogen)		ENRD4: AAM ≤ 0.67 mg/L	2	5	5	Impaired	Medium	ENRD4 (AAM) 2007 (0.61 mg/L) 2008 (0.66 mg/L) 2009 (0.55 mg/L) 2010 (0.65 mg/L) 2011 (0.63 mg/L) 2012 (0.63 mg/L) 2013 (0.78 mg/L) 2014 (0.67 mg/L) 2015 (0.80 mg/L) 2016 (0.93 mg/L)	ENRD4 (AAM) 2012 (0.63 mg/L) 2013 (0.78 mg/L) 2014 (0.67 mg/L) 2015 (0.80 mg/L) 2016 (0.93 mg/L) 2017 (0.90 mg/L) 2018 (0.58 mg/L)	This waterbody is impaired for this parameter because the annual arithmetic 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.
20-0263	2065A	Charlotte Harbor (Upper Segment)	Estuary	2	Charlotte	Nutrients (Total Phosphorus)		ENRD4: AAM ≤ 0.19 mg/L	2	5	5	Impaired	Medium	ENRD4 (AAM) 2007 (0.15 mg/L) 2008 (0.12 mg/L) 2009 (0.16 mg/L) 2010 (0.19 mg/L) 2011 (0.18 mg/L) 2012 (0.16 mg/L) 2013 (0.21 mg/L) 2014 (0.17 mg/L) 2015 (0.19 mg/L) 2016 (0.20 mg/L)	ENRD4 (AAM) 2012 (0.16 mg/L) 2013 (0.21 mg/L) 2014 (0.17 mg/L) 2015 (0.19 mg/L) 2016 (0.20 mg/L) 2017 (0.26 mg/L)	This waterbody is impaired for this parameter because the annual arithmetic 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.
20-0264	2065B	Charlotte Harbor (Middle Segment1)	Estuary	2	Charlotte	Nutrients (Total Nitrogen)		ENRD4: AAM ≤ 0.67 mg/L	2	5	5	Impaired	Medium	ENRD4 (AAM) 2007 (0.56 mg/L) 2008 (0.66 mg/L) 2009 (0.51 mg/L) 2010 (0.52 mg/L) 2011 (0.52 mg/L) 2012 (0.54 mg/L) 2013 (0.69 mg/L) 2014 (0.62 mg/L) 2015 (0.72 mg/L) 2016 (0.83 mg/L)	ENRD4 (AAM) 2012 (0.54 mg/L) 2013 (0.69 mg/L) 2014 (0.62 mg/L) 2015 (0.72 mg/L) 2016 (0.83 mg/L) 2017 (0.86 mg/L)	This waterbody is impaired for this parameter because the annual arithmetic 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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OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0265	2065E	Pine Island Sound (Upper Segment)	Estuary	2	Lee	Nutrients (Total Nitrogen)		ENRD5: AAM ≤ 0.57 mg/L	2	5	5	Impaired	Medium	ENRD5 (AAM) 2007 (0.34 mg/L) 2008 (0.33 mg/L) 2009 (0.32 mg/L) 2010 (0.62 mg/L) 2011 (0.33 mg/L) 2012 (0.46 mg/L) 2013 (0.43 mg/L) 2014 (0.40 mg/L) 2015 (0.64 mg/L) 2016 (0.66 mg/L)	ENRD5 (AAM) 2012 (0.46 mg/L) 2013 (0.43 mg/L) 2014 (0.40 mg/L) 2015 (0.64 mg/L) 2016 (0.66 mg/L) 2017 (0.66 mg/L) 2018 (0.74 mg/L) 2019 (0.68 mg/L)	This waterbody is impaired for this parameter because the annual arithmetic 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.
20-0266	2065G	Pine Island Sound (Lower Segment)	Estuary	2	Lee	Nutrients (Chlorophyll-a)		ENRD5: AAM ≤ 6.5 µg/L	2	5	5	Impaired	Medium	AGM Insufficient Data ENRD5 (AAM) 2007 (4.9 µg/L) 2008 (6.3 µg/L) 2009 (3.9 µg/L) 2010 (4.2 µg/L) 2011 (3.0 µg/L) 2012 (4.1 µg/L) 2013 (6.6 µg/L) 2014 (3.1 µg/L) 2015 (7.2 µg/L) 2016 (7.4 µg/L)	AGM Insufficient Data ENRD5 (AAM) 2012 (4.1 µg/L) 2013 (6.6 µg/L) 2014 (3.1 µg/L) 2015 (7.2 µg/L) 2016 (7.4 µg/L) 2017 (7.5 µg/L) 2018 (7.0 µg/L) 2019 (2.3 µg/L)	This waterbody is impaired for this parameter because the annual arithmetic 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.
20-0267	2065G	Pine Island Sound (Lower Segment)	Estuary	2	Lee	Nutrients (Total Nitrogen)		ENRD5: AAM ≤ 0.57 mg/L	2	5	5	Impaired	Medium	ENRD5 (AAM) 2007 (0.48 mg/L) 2008 (0.54 mg/L) 2009 (0.47 mg/L) 2010 (0.67 mg/L) 2011 (0.49 mg/L) 2012 (0.61 mg/L) 2013 (0.50 mg/L) 2014 (0.46 mg/L) 2015 (0.73 mg/L) 2016 (0.72 mg/L)	ENRD5 (AAM) 2012 (0.61 mg/L) 2013 (0.50 mg/L) 2014 (0.46 mg/L) 2015 (0.73 mg/L) 2016 (0.72 mg/L) 2017 (0.75 mg/L) 2018 (0.71 mg/L) 2019 (0.69 mg/L)	This waterbody is impaired for this parameter because the annual arithmetic 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.
20-0268	2065H1	San Carlos Bay	Estuary	2	Lee	Nutrients (Chlorophyll-a)		ENRD6: AVG2 ≤ 3.7 µg/L	2	5	5	Impaired	Medium	ENRD6 (LTA) (3.4 µg/L)	ENRD6 (LTA) (3.9 µg/L)	This waterbody is impaired for this parameter because the long term average exceeded the criteria. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0269	2065H1	San Carlos Bay	Estuary	2	Lee	Nutrients (Total Nitrogen)		ENRD6: AVG2 ≤ 0.44 mg/L	2	5	5	Impaired	Medium	ENRD6 (LTA) (0.5 mg/L)	ENRD6 (LTA) (0.62 mg/L)	This waterbody is impaired for this parameter because the long term average exceeded the criteria. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0270	2078A	Coral Creek (West Branch)	Estuary	2	Charlotte	Dissolved Oxygen (Percent Saturation)	Nutrients	≥ 42 %	2	5	5	Impaired	Medium	92/163	78/123	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and nutrients have been identified as 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.
20-0271	2078A	Coral Creek (West Branch)	Estuary	2	Charlotte	Fecal Coliform		≤ 43 MPN/100 mL	2	5	5	Impaired	Low	111/199	80/125	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0272	2078A	Coral Creek (West Branch)	Estuary	2	Charlotte	Fecal Coliform (3)		≤ 14 MPN/100 mL	NA	5	5	Impaired	Low	Planning List	Impaired	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. The waterbody includes at least one sampling location (21FLCHARGSV001 and 21FLCHARGSV005) that has a median fecal coliform MPN value that exceeds 14 counts per 100 ml for the verified period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.

Charlotte Harbor Group 2 Basin - South District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0273	2078A	Coral Creek (West Branch)	Estuary	2	Charlotte	Fecal Coliform (SEAS Classification)		Exceeds Shellfish Environmental Assessment Section (SEAS) thresholds	NA	5	5	Impaired	High	NA	NA	The shellfish harvesting classification of Prohibited, assigned to this WBID by the Shellfish Harvest Area Classification Program of the Florida Department of Agriculture and Consumer Services, is based on an administrative decision as a precautionary measure, and not water quality data. However, Fecal Coliform water quality data also indicate a bacteria problem in the current assessment period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0274	2078A	Coral Creek (West Branch)	Estuary	2	Charlotte	Nutrients (Chlorophyll-a)		AGM ≤ 11 µg/L	3b	5	5	Impaired	Medium	AGM 2007 (2 µg/L) 2008 (11 µg/L) 2009 (8 µg/L) 2010 (8 µg/L) 2011 (7 µg/L) 2012 (10 µg/L) 2013 (9 µg/L) 2014 (6 µg/L) 2015 (7 µg/L) 2016 (15 µg/L)	AGM 2012 (10 µg/L) 2013 (9 µg/L) 2014 (6 µg/L) 2015 (7 µg/L) 2016 (15 µg/L) 2017 (14 µg/L) 2018 (6 µg/L) 2019 (4 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the nutrient threshold of 11 µg/L 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.
20-0275	2092G	Sanibel Bayous	Estuary	2	Lee	Nutrients (Total Nitrogen)		ENRD5: AAM ≤ 0.57 mg/L	2	5	5	Impaired	Medium	ENRD5 (AAM) 2007 (0.42 mg/L) 2008 (0.39 mg/L) 2009 (0.70 mg/L) 2010 (0.45 mg/L) 2011 (0.43 mg/L) 2012 (0.55 mg/L) 2013 (0.65 mg/L) 2014 (0.49 mg/L) 2015 (0.64 mg/L) 2016 (0.76 mg/L)	ENRD5 (AAM) 2012 (0.55 mg/L) 2013 (0.65 mg/L) 2014 (0.49 mg/L) 2015 (0.64 mg/L) 2016 (0.76 mg/L) 2017 (0.78 mg/L) 2018 (0.77 mg/L) 2019 (0.70 mg/L)	This waterbody is impaired for this parameter because the annual arithmetic 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.
20-0276	2092H	The Dunes Community Stormwater Lakes	Lake	3F	Lee	Dissolved Oxygen (Percent Saturation)	Nutrients	≥ 38 %	NA	5	5	Impaired	Medium	5/15	8/19	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and nutrients have been identified as the causative pollutant. Samples used in this assessment were evaluated against a time of day adjustment as described in 62-303.420(9), 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.
20-0277	2092H	The Dunes Community Stormwater Lakes	Lake	3F	Lee	Nutrients (Chlorophyll-a)		AGM ≤ 20 µg/L	3c	5	5	Impaired	Medium	AGM 2015 (44 µg/L)	AGM 2015 (44 µg/L) 2017 (50 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the nutrient threshold of 20 µg/L 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.
20-0278	2092H	The Dunes Community Stormwater Lakes	Lake	3F	Lee	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	3c	5	5	Impaired	Medium	AGM 2015 (2.60 mg/L) 2016 (2.20 mg/L)	AGM 2015 (2.60 mg/L) 2016 (2.20 mg/L) 2017 (2.53 mg/L) 2018 (2.75 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient threshold 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.
20-0279	2092H	The Dunes Community Stormwater Lakes	Lake	3F	Lee	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	3c	5	5	Impaired	Medium	AGM 2015 (0.14 mg/L) 2016 (0.12 mg/L)	AGM 2015 (0.14 mg/L) 2016 (0.12 mg/L) 2017 (0.13 mg/L) 2018 (0.06 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient threshold 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.

¹ Florida's waterbody classifications are defined as:

- 1 - Potable water supplies
- 2 - Shellfish propagation or harvesting

Charlotte Harbor Group 2 Basin - South District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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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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 2004 and included data from that assessment period (January 1, 1991 through June 30, 2003).
 The Cycle 2 assessment was completed in 2009 and included data from that assessment period (January 1, 1996 through June 30, 2008).
 The Cycle 3 assessment was completed in 2016 and included data from that assessment period (January 1, 2002 through June 30, 2014).

³ The Cycle 4 assessment is the current assessment and includes data from the Planning Period (January 1, 2007 through December 31, 2016) and the Verified Period (January 1, 2012 through June 30, 2019).

[†] 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.
 2t - Attains one or more designated uses and a TMDL has already been completed.
 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.
 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 2018 Beach Advisories.
 Fish advisory data are provided by the Florida Department of Health 2019 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.); COAA - Coastal Nutrient Region Atlantic; COAG - Coastal Nutrient Region Gulf; 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 2 Charlotte Harbor Final Verified List is based on IWR Run 58 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 2/17/2016.

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0280	2181A	Dunn Creek (Marine Segment)	Estuary	3M	Duval	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	0/1	10/30	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, and land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0281	2204	Terrapin Creek	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	Low	1/1	17/27	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, and land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0282	2210	West Branch Blockhouse Creek	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	9/10	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.
20-0283	2213A	St Johns River above Mouth	Estuary	3M	Duval	Copper		≤ 3.7 µg/L	2	5	5	Impaired	Medium	7/22	5/20	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.
20-0284	2213A	St Johns River above Mouth	Estuary	3M	Duval	Thallium		< 6.3 µg/L	3b	5	5	Impaired	Medium	2/20	6/24	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.
20-0285	2213C	St Johns River above Dames Point	Estuary	3M	Duval	Thallium		< 6.3 µg/L	3a	5	5	Impaired	Medium	No Data	5/9	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. Fewer than twenty samples can be used to identify a waterbody as impaired if there are at least five exceedances, per 62-303.420(7)(a) 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.
20-0286	2223	Trout River (Upper Reach)	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	6/17	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, and land use. 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.
20-0287	2223	Trout River (Upper Reach)	Stream	3F	Duval	Lead		Pb ≤ e(1.273[lnH]-4.705) µg/L	3c	5	5	Impaired	Medium	0/2	8/17	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. Fewer than twenty samples can be used to identify a waterbody as impaired if there are at least five exceedances, per 62-303.420(7)(a) 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.
20-0288	2228B	Moncrief Creek (Freshwater Portion)	Stream	3F	Duval	Iron		≤ 1.0 mg/L	2	5	5	Impaired	Medium	No Data	10/21	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.

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0289	2235	Newcastle Creek	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	Low	2/4	48/72	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, and land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0290	2239	Strawberry Creek	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	Low	No Data	23/28	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, and land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0291	2244	Cowhead Creek	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	1/1	9/9	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.
20-0292	2246	Jones Creek	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	9/11	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, and land use. 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.
20-0293	2249A	Ortega River	Stream	3F	Clay,Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	Low	0/5	8/33	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0294	2249B	McGirts Creek	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	Low	2/2	12/28	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0295	2249B	McGirts Creek	Stream	3F	Duval	Lead		Pb ≤ e(1.273[lnH]-4.705) µg/L	3c	5	5	Impaired	Medium	No Data	12/17	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.
20-0296	2254	Red Bay Branch	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	10/10	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0297	2262B	Cedar River	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	Low	No Data	13/29	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, and land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0298	2265D	Pottsburg Creek (Marine Segment)	Estuary	3M	Duval	Nutrients (Chlorophyll-a)		ENRBB1: LTAAM ≤ 5.4 µg/L	NA	5	5	Impaired	Medium	AGM Insufficient Data ENRBB1 (LTAAM) (ID µg/L)	AGM Insufficient Data ENRBB1 (LTAAM) (11.2 µg/L)	This waterbody is impaired for this parameter because the long term average exceeded the criteria. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0299	2278	Silversmith Creek	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	10/10	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.
20-0300	2280B	Big Fishweir Creek (Marine Segment)	Estuary	3M	Duval	Dissolved Oxygen (Percent Saturation)	Nutrients	≥ 42 %	4d	5	5	Impaired	Medium	48/119	21/81	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and nutrients have been identified as the causative pollutant. Dissolved oxygen measurements taken within tidal areas are assessed using associated specific conductivity data (4,580 µmhos/cm, or 1,500 mg/L chloride, or 2.7 PSU salinity) for the determination of applicable freshwater or marine criteria as described in 62-303.320(11), F.A.C. Samples used in this assessment when the freshwater criteria apply were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being added to the Verified List and will remain on the 303(d) List.
20-0301	2280B	Big Fishweir Creek (Marine Segment)	Estuary	3M	Duval	Nutrients (Chlorophyll-a)		AGM ≤ 11 µg/L	NA	5	5	Impaired	Medium	AGM No Data	AGM 2017 (30 µg/L) 2018 (18 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.
20-0302	2284B	Little Pottsburg Creek (Freshwater Portion)	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	10/10	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.
20-0303	2290	Cedar Swamp Creek	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	1/1	7/11	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0304	2305	Wills Branch (South Prong)	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	6/11	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.
20-0305	2306	New Rose Creek	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	1/1	8/12	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.
20-0306	2308	Eagle Run	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	0/1	7/11	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.
20-0307	2319	Bennett Branch	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	1/1	10/11	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.
20-0308	2323	Yellow Water Creek	Stream	3F	Clay,Duval	Iron		≤ 1.0 mg/L	3c	5	5	Impaired	Medium	3/5	15/18	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.
20-0309	2323	Yellow Water Creek	Stream	3F	Clay,Duval	Lead		$Pb \leq e(1.273[\ln H]-4.705) \mu\text{g/L}$	3c	5	5	Impaired	Medium	2/5	14/18	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.
20-0310	2326A	Goodbys Creek (Freshwater Segment)	Stream	3F	Duval	Iron		≤ 1.0 mg/L	3c	5	5	Impaired	Medium	No Data	19/19	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.
20-0311	2338	Unnamed Branch	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	1/1	6/10	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0312	2351	Julington Creek	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	Low	0/1	15/34	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0313	2370	Oldfield Creek	Stream	3F	Duval	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	1/1	22/29	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 chemical tracer data, and land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0314	2423	Mill Log Creek	Stream	3F	Clay	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	7/16	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.
20-0315	2549	Deep Creek	Stream	3F	St. Johns	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) Mean 1 (31), Mean 2 (ND)	SCI (n=2) WBID Mean (40) Mean 1 (33), Mean 2 (47)	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.
20-0316	2549	Deep Creek	Stream	3F	St. Johns	Nutrients (Total Phosphorus)		AGM ≤ 0.12 mg/L	4d	5	5	Impaired	Medium	AGM 2007 (0.35 mg/L) 2008 (0.45 mg/L) 2009 (0.36 mg/L) 2010 (0.38 mg/L) 2011 (0.41 mg/L) 2012 (0.36 mg/L) 2013 (0.47 mg/L) 2014 (0.40 mg/L) 2015 (0.40 mg/L) 2016 (0.32 mg/L)	AGM 2012 (0.36 mg/L) 2013 (0.47 mg/L) 2014 (0.40 mg/L) 2015 (0.40 mg/L) 2016 (0.32 mg/L) 2017 (0.29 mg/L) 2018 (0.30 mg/L) 2019 (0.22 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient threshold 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 will remain on the 303(d) List.
20-0317	2549	Deep Creek	Stream	3F	St. Johns	Specific Conductance		Shall not be increased more than 50% above background or to 1275 µmhos/cm, whichever is greater.	3c	5	5	Impaired	Medium	84/134	52/95	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. After further investigation, FDEP cannot rule out the possibility of anthropogenic sources. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0318	2561	Unnamed Ditches	Stream	3F	St. Johns	Specific Conductance		Shall not be increased more than 50% above background or to 1275 µmhos/cm, whichever is greater.	3c	5	5	Impaired	Medium	28/48	7/15	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. After further investigation, FDEP cannot rule out the possibility of anthropogenic sources. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0319	2569	West Run Interceptor D	Stream	3F	Putnam, St. Johns	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	3c	5	5	Impaired	Medium	06/24/2014: Avg CoFC - 1.6, FLEPPC - 46% 10/09/2014: Avg CoFC - .5, FLEPPC - 81%	06/24/2014: Avg CoFC - 1.6, FLEPPC - 46% 10/09/2014: Avg CoFC - .5, FLEPPC - 81%	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.

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0320	2569	West Run Interceptor D	Stream	3F	Putnam, St. Johns	Nutrients (Total Phosphorus)		AGM ≤ 0.12 mg/L	4d	5	5	Impaired	Medium	AGM 2007 (0.21 mg/L) 2008 (0.27 mg/L) 2009 (0.16 mg/L) 2010 (0.19 mg/L) 2011 (0.28 mg/L) 2012 (0.19 mg/L) 2013 (0.32 mg/L) 2014 (0.37 mg/L) 2015 (0.32 mg/L) 2016 (0.24 mg/L)	AGM 2012 (0.19 mg/L) 2013 (0.32 mg/L) 2014 (0.37 mg/L) 2015 (0.32 mg/L) 2016 (0.24 mg/L) 2017 (0.35 mg/L) 2018 (0.54 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient threshold 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 will remain on the 303(d) List.
20-0321	2582	Lake Suggs	Lake	3F	Putnam	Lead		Pb ≤ e(1.273[lnH]-4.705) µg/L	3c	5	5	Impaired	Medium	3/9	9/15	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.
20-0322	2582A	Rowan Lake	Lake	3F	Putnam	Dissolved Oxygen (Percent Saturation)	Nutrients	≥ 38 %	2	5	5	Impaired	Medium	4/42	8/34	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and nutrients have been identified as 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.
20-0323	2582A	Rowan Lake	Lake	3F	Putnam	Lead		Pb ≤ e(1.273[lnH]-4.705) µg/L	3c	5	5	Impaired	Medium	7/9	9/11	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.
20-0324	2615	Bull Creek Ditches	Stream	3F	Flagler	Iron		≤ 1.0 mg/L	NA	5	5	Impaired	Medium	4/10	55/101	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. This parameter will remain on the Verified List and the 303(d) List. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0325	2622A	Haw Creek above Crescent Lake	Stream	3F	Flagler	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	5	5	Impaired	Medium	09/24/2014: Avg CofC - 2.4, FLEPPC - 44%	09/24/2014: Avg CofC - 2.4, FLEPPC - 44% 12/27/2017: Avg CofC - 1.6, FLEPPC - 45%	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.
20-0326	2622A	Haw Creek above Crescent Lake	Stream	3F	Flagler	Nutrients (Total Nitrogen)		AGM ≤ 1.54 mg/L	4d	5	5	Impaired	Medium	AGM 2007 (2.04 mg/L) 2008 (1.73 mg/L) 2012 (1.76 mg/L) 2013 (1.79 mg/L) 2014 (1.76 mg/L) 2015 (1.61 mg/L) 2016 (1.67 mg/L)	AGM 2012 (1.76 mg/L) 2013 (1.79 mg/L) 2014 (1.76 mg/L) 2015 (1.61 mg/L) 2016 (1.67 mg/L) 2017 (1.11 mg/L) 2019 (1.36 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient threshold 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 will remain on the 303(d) List.
20-0327	2622A	Haw Creek above Crescent Lake	Stream	3F	Flagler	Nutrients (Total Phosphorus)		AGM ≤ 0.12 mg/L	4d	5	5	Impaired	Medium	AGM 2007 (0.11 mg/L) 2008 (0.12 mg/L) 2012 (0.14 mg/L) 2013 (0.17 mg/L) 2014 (0.18 mg/L) 2015 (0.16 mg/L) 2016 (0.11 mg/L)	AGM 2012 (0.14 mg/L) 2013 (0.17 mg/L) 2014 (0.18 mg/L) 2015 (0.16 mg/L) 2016 (0.11 mg/L) 2017 (0.11 mg/L) 2019 (0.11 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient threshold 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 will remain on the 303(d) List.

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 2004 and included data from that assessment period (January 1, 1991 through June 30, 2003).
The Cycle 2 assessment was completed in 2009 and included data from that assessment period (January 1, 1996 through June 30, 2008).

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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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² The Cycle 3 assessment was completed in 2016 and included data from that assessment period (January 1, 2002 through June 30, 2014).

³ The Cycle 4 assessment is the current assessment and includes data from the Planning Period (January 1, 2007 through December 31, 2016) and the Verified Period (January 1, 2012 through June 30, 2019).

[†] 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.
- 2t - Attains one or more designated uses and a TMDL has already been completed.
- 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.
- 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 2018 Beach Advisories.

Fish advisory data are provided by the Florida Department of Health 2019 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.); COAA - Coastal Nutrient Region Atlantic; COAG - Coastal Nutrient Region Gulf;

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 2 Lower St. Johns Final Verified List is based on IWR Run 58 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 2/17/2016.

Middle St. Johns Group 2 Basin - Central District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0328	2902	Louise Lake (Lower Segment)	Lake	3F	Volusia	Nutrients (Chlorophyll-a)		AGM ≤ 6 µg/L	3b	5	5	Impaired	Medium	AGM Insufficient Data	AGM 2017 (11 µg/L) 2018 (9 µg/L) 2019 (8 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.
20-0329	2902	Louise Lake (Lower Segment)	Lake	3F	Volusia	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	3b	5	5	Impaired	Medium	AGM Insufficient Data	AGM 2017 (0.96 mg/L) 2018 (0.88 mg/L) 2019 (0.86 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.
20-0330	2902	Louise Lake (Lower Segment)	Lake	3F	Volusia	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	3b	5	5	Impaired	Medium	AGM Insufficient Data	AGM 2017 (0.02 mg/L) 2018 (0.02 mg/L) 2019 (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.
20-0331	2921D1	Tick Island Mud Lake	Lake	3F	Volusia	Nutrients (Chlorophyll-a)		AGM ≤ 20 µg/L	3c	5	5	Impaired	Medium	AGM 2012 (38 µg/L) 2014 (28 µg/L) 2015 (15 µg/L)	AGM 2012 (38 µg/L) 2014 (28 µg/L) 2015 (15 µg/L) 2017 (46 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.
20-0332	2921D1	Tick Island Mud Lake	Lake	3F	Volusia	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	3c	5	5	Impaired	Medium	AGM 2012 (1.74 mg/L) 2014 (1.61 mg/L) 2015 (1.56 mg/L)	AGM 2012 (1.74 mg/L) 2014 (1.61 mg/L) 2015 (1.56 mg/L) 2017 (1.52 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.
20-0333	2921D1	Tick Island Mud Lake	Lake	3F	Volusia	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	3c	5	5	Impaired	Medium	AGM 2012 (0.06 mg/L) 2014 (0.08 mg/L) 2015 (0.07 mg/L)	AGM 2012 (0.06 mg/L) 2014 (0.08 mg/L) 2015 (0.07 mg/L) 2017 (0.07 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.
20-0334	2921F	Spring Garden Creek	Stream	3F	Volusia	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	5	5	Impaired	Medium	02/29/2012: Avg CoFC - 3.1, FLEPPC - 26% 12/03/2012: Avg CoFC - 2.7, FLEPPC - 29% 12/03/2012: Avg CoFC - 2.7, FLEPPC - 29%	02/29/2012: Avg CoFC - 3.1, FLEPPC - 26% 12/03/2012: Avg CoFC - 2.7, FLEPPC - 29% 02/01/2017: Avg CoFC - 1.9, FLEPPC - 44% 11/27/2017: Avg CoFC - 1.5, FLEPPC - 41%	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.
20-0335	2984	Six Mile Creek	Stream	3F	Seminole	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	9/15	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.

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OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0336	2986F	Greenwood Lake	Lake	3F	Seminole	Nutrients (Chlorophyll-a)		AGM ≤ 20 µg/L	3c	5	5	Impaired	Medium	AGM 2010 (25 µg/L) 2011 (20 µg/L) 2015 (8 µg/L) 2016 (8 µg/L)	AGM 2015 (8 µg/L) 2016 (8 µg/L) 2017 (24 µg/L) 2018 (33 µg/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.
20-0337	2987Y	Palm Springs	Spring	3F	Seminole	Nutrients (Nitrate-Nitrite)		≤ 0.35 mg/L	3b	5	5	Impaired	Medium	AGM 2014 (0.67 mg/L) 2015 (0.59 mg/L)	AGM 2014 (0.67 mg/L) 2015 (0.59 mg/L) 2017 (0.62 mg/L) 2018 (0.66 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.
20-0338	2987Z	Sanlando Spring	Spring	3F	Seminole	Nutrients (Nitrate-Nitrite)		≤ 0.35 mg/L	3b	5	5	Impaired	Medium	AGM Insufficient Data	AGM 2017 (0.80 mg/L) 2018 (0.63 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.
20-0339	2990	Salt Creek	Stream	3F	Seminole	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	13/17	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.
20-0340	2991	Econlockhatchee River	Stream	3F	Osceola, Seminole, Orange	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	11/31	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.
20-0341	2992	Black Hammock	Stream	3F	Seminole	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	8/12	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.
20-0342	2994K	Lake Concord	Lake	3F	Seminole	Nutrients (Chlorophyll-a)		AGM ≤ 20 µg/L	3c	5	5	Impaired	Medium	AGM 2013 (17 µg/L) 2014 (17 µg/L) 2015 (25 µg/L) 2016 (15 µg/L)	AGM 2017 (24 µg/L) 2018 (27 µg/L) 2019 (27 µg/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.
20-0343	2994K	Lake Concord	Lake	3F	Seminole	Nutrients (Total Phosphorus)		Chl-a AGM ≤ 20 µg/L, TP AGM ≤ 0.09 mg/L; If Chl-a has insufficient or No Data to calculate AGM or if Chl-a AGM > 20 µg/L, TP AGM ≤ 0.03 mg/L	3b	5	5	Impaired	Medium	AGM 2007 (0.04 mg/L) 2008 (0.03 mg/L) 2009 (0.03 mg/L) 2010 (0.03 mg/L) 2011 (0.03 mg/L) 2012 (0.03 mg/L) 2013 (0.03 mg/L) 2014 (0.04 mg/L) 2015 (0.04 mg/L) 2016 (0.03 mg/L)	AGM 2017 (0.04 mg/L) 2018 (0.04 mg/L) 2019 (0.04 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.

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OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0344	2995	Lake Charm	Lake	3F	Seminole	Nutrients (Chlorophyll-a)		AGM ≤ 20 µg/L	3b	5	5	Impaired	Medium	AGM Insufficient Data	AGM 2017 (31 µg/L) 2018 (39 µg/L) 2019 (14 µg/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.
20-0345	2995	Lake Charm	Lake	3F	Seminole	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	3b	5	5	Impaired	Medium	AGM 2009 (1.21 mg/L)	AGM 2017 (1.43 mg/L) 2018 (1.98 mg/L) 2019 (1.08 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.
20-0346	2995	Lake Charm	Lake	3F	Seminole	Nutrients (Total Phosphorus)		Chl-a AGM ≤ 20 µg/L, TP AGM ≤ 0.09 mg/L; If Chl-a has insufficient or No Data to calculate AGM or if Chl-a AGM > 20 µg/L, TP AGM ≤ 0.03 mg/L	3b	5	5	Impaired	Medium	AGM 2009 (0.04 mg/L)	AGM 2017 (0.04 mg/L) 2018 (0.04 mg/L) 2019 (0.04 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.
20-0347	2996	Sweetwater Creek	Stream	3F	Seminole	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	14/17	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.
20-0348	2997A	Howell Creek above Lake Howell	Stream	3F	Seminole, Orange	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	3c	5	5	Impaired	Medium	03/02/2012: Avg CoFC - 1.8, FLEPPC - 63%	03/02/2012: Avg CoFC - 1.8, FLEPPC - 63% 11/13/2017: (less than 2 sq. m.) 05/30/2018: Avg CoFC - 2.4, FLEPPC - 30% 02/28/2019: 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.
20-0349	2997L	Lake Winyah	Lake	3F	Orange	Nutrients (Chlorophyll-a)		AGM ≤ 20 µg/L	3c	5	5	Impaired	Medium	AGM 2007 (16 µg/L) 2008 (23 µg/L) 2009 (24 µg/L) 2010 (36 µg/L) 2011 (23 µg/L) 2012 (13 µg/L) 2013 (13 µg/L) 2014 (23 µg/L) 2015 (31 µg/L) 2016 (22 µg/L)	AGM 2012 (13 µg/L) 2013 (13 µg/L) 2014 (23 µg/L) 2015 (31 µg/L) 2016 (15 µg/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.
20-0350	2997L	Lake Winyah	Lake	3F	Orange	Nutrients (Total Phosphorus)		Chl-a AGM ≤ 20 µg/L, TP AGM ≤ 0.09 mg/L; If Chl-a has insufficient or No Data to calculate AGM or if Chl-a AGM > 20 µg/L, TP AGM ≤ 0.03 mg/L	3b	5	5	Impaired	Medium	AGM 2007 (0.04 mg/L) 2008 (0.05 mg/L) 2009 (0.05 mg/L) 2010 (0.06 mg/L) 2011 (0.05 mg/L) 2012 (0.05 mg/L) 2013 (0.04 mg/L) 2014 (0.05 mg/L) 2015 (0.05 mg/L) 2016 (0.03 mg/L)	AGM 2012 (0.05 mg/L) 2013 (0.04 mg/L) 2014 (0.05 mg/L) 2015 (0.05 mg/L) 2016 (0.03 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.

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20-0351	2999B	Noname Lake	Lake	3F	Seminole	Nutrients (Chlorophyll-a)		AGM ≤ 6 µg/L	3a	5	5	Impaired	Medium	AGM No Data	AGM 2017 (7 µg/L) 2018 (10 µg/L) 2019 (8 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.
20-0352	2999B	Noname Lake	Lake	3F	Seminole	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	3a	5	5	Impaired	Medium	AGM No Data	AGM 2017 (0.59 mg/L) 2018 (0.59 mg/L) 2019 (0.54 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.
20-0353	2999B	Noname Lake	Lake	3F	Seminole	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	3a	5	5	Impaired	Medium	AGM No Data	AGM 2017 (0.02 mg/L) 2018 (0.02 mg/L) 2019 (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.
20-0354	3001	Little Econlockhatchee River	Stream	3F	Seminole, Orange	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	5	5	Impaired	Medium	04/03/2012: (less than 2 sq. m.) 04/29/2014: Avg CofC - .9, FLEPPC - 86% 04/01/2015: Avg CofC - .2, FLEPPC - 92% 08/01/2016: Avg CofC - .6, FLEPPC - 87% 03/01/2017: Avg CofC - 1.8, FLEPPC - 50%	04/03/2012: (less than 2 sq. m.) 04/29/2014: Avg CofC - .9, FLEPPC - 86% 04/01/2015: Avg CofC - .2, FLEPPC - 92% 08/01/2016: Avg CofC - .6, FLEPPC - 87% 03/01/2017: Avg CofC - 1.8, FLEPPC - 50%	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.
20-0355	3002D	Starke Lake	Lake	3F	Orange	Nutrients (Chlorophyll-a)		AGM ≤ 20 µg/L	2	5	5	Impaired	Medium	AGM 2010 (20 µg/L) 2011 (12 µg/L) 2012 (15 µg/L) 2013 (15 µg/L) 2014 (17 µg/L) 2015 (19 µg/L) 2016 (27 µg/L)	AGM 2012 (15 µg/L) 2015 (16 µg/L) 2016 (31 µg/L) 2017 (28 µg/L) 2018 (34 µg/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.
20-0356	3002D	Starke Lake	Lake	3F	Orange	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	2	5	5	Impaired	Medium	AGM 2007 (0.92 mg/L) 2008 (0.67 mg/L) 2009 (0.85 mg/L) 2010 (0.94 mg/L) 2011 (0.90 mg/L) 2012 (0.97 mg/L) 2013 (1.05 mg/L) 2014 (1.23 mg/L) 2015 (1.37 mg/L) 2016 (1.05 mg/L)	AGM 2012 (1.00 mg/L) 2015 (1.32 mg/L) 2016 (1.52 mg/L) 2017 (1.39 mg/L) 2018 (1.40 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.
20-0357	3002G	Lake Lotta	Lake	3F	Orange	Nutrients (Chlorophyll-a)		AGM ≤ 20 µg/L	2	5	5	Impaired	Medium	AGM 2010 (16 µg/L) 2011 (20 µg/L) 2012 (32 µg/L) 2013 (32 µg/L) 2015 (13 µg/L) 2016 (9 µg/L)	AGM 2012 (32 µg/L) 2016 (15 µg/L) 2018 (29 µg/L) 2019 (39 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.

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20-0358	3002Q	Kasey Lake	Lake	3F	Orange	Biology	Nutrients	Average score of at least two temporally independent LVI scores \geq 43; or either of the two most recent LVI scores \geq 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) Mean 1 (19), Mean 2 (ND)	LVI (n=2) WBID Mean (17) Mean 1 (15), 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.
20-0359	3002Q	Kasey Lake	Lake	3F	Orange	Nutrients (Chlorophyll-a)		AGM \leq 20 μ g/L	3c	5	5	Impaired	Medium	AGM 2007 (24 μ g/L) 2008 (24 μ g/L) 2009 (33 μ g/L) 2010 (28 μ g/L) 2012 (57 μ g/L) 2014 (29 μ g/L) 2015 (55 μ g/L) 2016 (33 μ g/L)	AGM 2012 (57 μ g/L) 2014 (29 μ g/L) 2015 (55 μ g/L) 2016 (33 μ g/L) 2018 (31 μ g/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.
20-0360	3002Q	Kasey Lake	Lake	3F	Orange	Nutrients (Total Nitrogen)		Chl-a AGM \leq 20 μ g/L, TN AGM \leq 1.91 mg/L; If Chl-a has insufficient or No Data to calculate AGM or if Chl-a AGM > 20 μ g/L, TN AGM \leq 1.05 mg/L	3c	5	5	Impaired	Medium	AGM 2007 (1.02 mg/L) 2008 (1.31 mg/L) 2009 (1.18 mg/L) 2010 (1.12 mg/L) 2011 (1.37 mg/L) 2012 (1.41 mg/L) 2013 (1.17 mg/L) 2014 (1.02 mg/L) 2015 (1.17 mg/L) 2016 (1.09 mg/L)	AGM 2012 (1.41 mg/L) 2013 (1.17 mg/L) 2014 (1.02 mg/L) 2015 (1.17 mg/L) 2016 (1.09 mg/L) 2018 (1.04 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.
20-0361	3002Q	Kasey Lake	Lake	3F	Orange	Nutrients (Total Phosphorus)		Chl-a AGM \leq 20 μ g/L, TP AGM \leq 0.09 mg/L; If Chl-a has insufficient or No Data to calculate AGM or if Chl-a AGM > 20 μ g/L, TP AGM \leq 0.03 mg/L	3c	5	5	Impaired	Medium	AGM 2007 (0.06 mg/L) 2008 (0.05 mg/L) 2009 (0.06 mg/L) 2010 (0.06 mg/L) 2011 (0.07 mg/L) 2012 (0.08 mg/L) 2013 (0.07 mg/L) 2014 (0.07 mg/L) 2015 (0.07 mg/L) 2016 (0.05 mg/L)	AGM 2012 (0.08 mg/L) 2013 (0.07 mg/L) 2014 (0.07 mg/L) 2015 (0.07 mg/L) 2016 (0.05 mg/L) 2018 (0.06 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.
20-0362	3002R	Kelly Lake	Lake	3F	Orange	Nutrients (Total Phosphorus)		Chl-a AGM \leq 20 μ g/L, TP AGM \leq 0.09 mg/L; If Chl-a has insufficient or No Data to calculate AGM or if Chl-a AGM > 20 μ g/L, TP AGM \leq 0.03 mg/L	3b	5	5	Impaired	Medium	AGM 2007 (0.03 mg/L) 2008 (0.07 mg/L) 2010 (0.06 mg/L) 2011 (0.07 mg/L) 2012 (0.04 mg/L) 2014 (0.06 mg/L) 2015 (0.07 mg/L) 2016 (0.05 mg/L)	AGM 2012 (0.04 mg/L) 2014 (0.06 mg/L) 2015 (0.07 mg/L) 2016 (0.05 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.
20-0363	3004R	Lake Fairhope	Lake	3F	Orange	Biology	Nutrients	Average score of at least two temporally independent LVI scores \geq 43; or either of the two most recent LVI scores \geq 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) Mean 1 (0), Mean 2 (ND)	LVI (n=2) WBID Mean (0) Mean 1 (0), Mean 2 (0)	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.
20-0364	3004R	Lake Fairhope	Lake	3F	Orange	Nutrients (Chlorophyll-a)		AGM \leq 20 μ g/L	3c	5	5	Impaired	Medium	AGM 2008 (33 μ g/L) 2009 (21 μ g/L) 2010 (23 μ g/L) 2012 (67 μ g/L) 2014 (60 μ g/L) 2015 (68 μ g/L) 2016 (26 μ g/L)	AGM 2012 (67 μ g/L) 2014 (60 μ g/L) 2015 (68 μ g/L) 2016 (26 μ g/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.

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OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0365	3004R	Lake Fairhope	Lake	3F	Orange	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	3c	5	5	Impaired	Medium	AGM 2008 (1.43 mg/L) 2009 (1.43 mg/L) 2010 (1.36 mg/L) 2012 (1.77 mg/L) 2013 (2.37 mg/L) 2014 (1.42 mg/L) 2015 (1.94 mg/L) 2016 (0.97 mg/L)	AGM 2012 (1.77 mg/L) 2013 (2.37 mg/L) 2014 (1.42 mg/L) 2015 (1.94 mg/L) 2016 (0.97 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.
20-0366	3004R	Lake Fairhope	Lake	3F	Orange	Nutrients (Total Phosphorus)		Chl-a AGM ≤ 20 µg/L, TP AGM ≤ 0.09 mg/L; If Chl-a has insufficient or No Data to calculate AGM or if Chl-a AGM > 20 µg/L, TP AGM ≤ 0.03 mg/L	3c	5	5	Impaired	Medium	AGM 2008 (0.12 mg/L) 2009 (0.12 mg/L) 2010 (0.14 mg/L) 2011 (0.13 mg/L) 2012 (0.15 mg/L) 2013 (0.18 mg/L) 2014 (0.17 mg/L) 2015 (0.16 mg/L) 2016 (0.09 mg/L)	AGM 2012 (0.15 mg/L) 2013 (0.18 mg/L) 2014 (0.17 mg/L) 2015 (0.16 mg/L) 2016 (0.09 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.
20-0367	3014	Crane Strand Drain	Stream	3F	Seminole, Orange	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	Low	0/1	18/26	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. There is also a DEP Adopted Fecal Coliform TMDL. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0368	3023	Crane Strand	Stream	3F	Orange	Silver		≤ 0.07 µg/L	3c	5	5	Impaired	Medium	12/59	8/26	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.
20-0369	3036B8	Lake Dover - Lake C - Lake Santiago	Lake	3F	Orange	Nutrients (Chlorophyll-a)		AGM ≤ 20 µg/L	3c	5	5	Impaired	Medium	AGM 2007 (10 µg/L) 2008 (13 µg/L) 2009 (20 µg/L) 2010 (12 µg/L) 2011 (18 µg/L) 2012 (21 µg/L) 2013 (35 µg/L) 2014 (28 µg/L) 2015 (23 µg/L) 2016 (21 µg/L)	AGM 2012 (21 µg/L) 2013 (35 µg/L) 2014 (28 µg/L) 2015 (23 µg/L) 2016 (21 µg/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.
20-0370	3036B8	Lake Dover - Lake C - Lake Santiago	Lake	3F	Orange	Nutrients (Total Phosphorus)		Chl-a AGM ≤ 20 µg/L, TP AGM ≤ 0.09 mg/L; If Chl-a has insufficient or No Data to calculate AGM or if Chl-a AGM > 20 µg/L, TP AGM ≤ 0.03 mg/L	3c	5	5	Impaired	Medium	AGM 2008 (0.04 mg/L) 2009 (0.05 mg/L) 2010 (0.04 mg/L) 2011 (0.06 mg/L) 2012 (0.06 mg/L) 2013 (0.08 mg/L) 2014 (0.08 mg/L) 2015 (0.05 mg/L) 2016 (0.05 mg/L)	AGM 2012 (0.06 mg/L) 2013 (0.08 mg/L) 2014 (0.08 mg/L) 2015 (0.05 mg/L) 2016 (0.05 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.
20-0371	3037	Avalon Branch	Stream	3F	Orange	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	6/29	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0372	3046	Unnamed Drain	Stream	3F	Orange	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	5	5	Impaired	Medium	No Data	01/30/2017: Avg CofC - 1.5, FLEPPC - 52% 06/13/2017: Avg CofC - 1.9, FLEPPC - 38%	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.

Middle St. Johns Group 2 Basin - Central District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0373	3046	Unnamed Drain	Stream	3F	Orange	Nutrients (Total Phosphorus)		AGM ≤ 0.12 mg/L	4d	5	5	Impaired	Medium	AGM 2012 (0.17 mg/L) 2013 (0.16 mg/L)	AGM 2012 (0.17 mg/L) 2013 (0.16 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient threshold 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 will remain on the 303(d) List.

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 2004 and included data from that assessment period (January 1, 1991 through June 30, 2003).

The Cycle 2 assessment was completed in 2009 and included data from that assessment period (January 1, 1996 through June 30, 2008).

The Cycle 3 assessment was completed in 2016 and included data from that assessment period (January 1, 2002 through June 30, 2014).

³ The Cycle 4 assessment is the current assessment and includes data from the Planning Period (January 1, 2007 through December 31, 2016) and the Verified Period (January 1, 2012 through June 30, 2019).

[†] 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.
- 2t - Attains one or more designated uses and a TMDL has already been completed.
- 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.
- 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 2018 Beach Advisories.

Fish advisory data are provided by the Florida Department of Health 2019 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.); COAA - Coastal Nutrient Region Atlantic; COAG - Coastal Nutrient Region Gulf;

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 2 Middle St. Johns Final Verified List is based on IWR Run 58 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 2/17/2016.

St. Lucie - Loxahatchee Group 2 Basin - Southeast District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0374	3166	Moore Creek	Estuary	3M	St. Lucie	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	6/7	18/22	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. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0375	3193	St Lucie River	Estuary	3M	Martin	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	50/475	49/326	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0376	3194	St Lucie River (North Fork)	Estuary	3M	St. Lucie	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	25/33	10/30	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0377	3194D	Fivemile Creek	Stream	3F	St. Lucie	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	2/7	9/23	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0378	3208A1	ICWW (Martin County) above Peck Lake	Estuary	2	Martin	Nutrients (Chlorophyll-a)		ENRAA2: PCT ≤ 6.9 µg/L	3c	5	5	Impaired	Medium	Insufficient Data	ENRAA2 (PCT) 12/26	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.
20-0379	3208C	Manatee Pocket	Estuary	3M	Martin	Copper		≤ 3.7 µg/L	3c	5	5	Impaired	Medium	17/19	7/7	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.
20-0380	3208C	Manatee Pocket	Estuary	3M	Martin	Nutrients (Chlorophyll-a)		ENRZ6: AGM ≤ 5.9 µg/L	3c	5	5	Impaired	Medium	AGM Insufficient Data ENRZ6 (AGM) 2007 (16.7 µg/L)	AGM Insufficient Data ENRZ6 (AGM) 2017 (13.1 µg/L) 2018 (10.1 µg/L)	This waterbody is impaired for this parameter because 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.
20-0381	3210A	St Lucie Canal	Estuary	3M	Martin	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	19/115	15/83	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0382	3210C	South Fork St Lucie River (Tidal Segment)	Estuary	3M	Martin	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	18/54	11/52	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0383	3210E	Roebuck Creek	Estuary	3M	Martin	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	7/7	12/16	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.

St. Lucie - Loxahatchee Group 2 Basin - Southeast District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0384	3211	Bessey Creek	Estuary	3M	Martin	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	8/9	8/15	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.
20-0385	3226B	ICWW (Martin County)	Estuary	3M	Martin, Palm Beach	Nutrients (Chlorophyll-a)		ENRAA1: AGM ≤ 2 µg/L	2	5	5	Impaired	Medium	ENRAA1 (AGM) 2007 (2.3 µg/L) 2008 (2.3 µg/L) 2009 (1.0 µg/L) 2010 (1.8 µg/L) 2011 (1.6 µg/L) 2012 (2.1 µg/L) 2013 (1.9 µg/L) 2014 (2.8 µg/L) 2015 (3.6 µg/L) 2016 (2.0 µg/L) 2016 (2.0 µg/L)	ENRAA1 (AGM) 2012 (2.1 µg/L) 2013 (1.9 µg/L) 2014 (2.8 µg/L) 2015 (3.6 µg/L) 2017 (1.6 µg/L)	This waterbody is impaired for this parameter because 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.
20-0386	5003AB	Stuart Causeway	Beach	3M	Martin	Bacteria (Beach Advisories)		< 21 days of beach advisories	2	5	5	Impaired	High	Beach Advisories 2007 (0 days) 2008 (0 days) 2009 (0 days) 2010 (0 days) 2011 (1 days) 2012 (0 days) 2013 (0 days) 2014 (0 days) 2015 (0 days) 2016 (0 days)	Beach Advisories 2012 (0 days) 2013 (0 days) 2014 (0 days) 2015 (0 days) 2016 (0 days) 2017 (76 days) 2018 (no advisory)	This waterbody is impaired for this parameter because there were 21 days or more of beach advisories in the verified period. This is a beach WBID, which are assessed solely on beach advisory information received from DOH.^ This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0387	5003AD	South Causeway at Boat Ramp	Beach	3M	St. Lucie	Bacteria (Beach Advisories)		< 21 days of beach advisories	2	5	5	Impaired	High	Beach Advisories 2007 (no advisory) 2008 (no advisory) 2009 (no advisory) 2010 (no advisory) 2011 (no advisory) 2012 (0 days) 2013 (no advisory) 2014 (no advisory) 2015 (no advisory) 2016 (no advisory) 2017 (29 days) 2018 (no advisory)	Beach Advisories 2012 (0 days) 2013 (no advisory) 2014 (no advisory) 2015 (no advisory) 2016 (no advisory) 2017 (29 days) 2018 (no advisory)	This waterbody is impaired for this parameter because there were 21 days or more of beach advisories in the verified period. This is a beach WBID, which are assessed solely on beach advisory information received from DOH.^ This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.

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 2004 and included data from that assessment period (January 1, 1991 through June 30, 2003).

The Cycle 2 assessment was completed in 2009 and included data from that assessment period (January 1, 1996 through June 30, 2008).

The Cycle 3 assessment was completed in 2016 and included data from that assessment period (January 1, 2002 through June 30, 2014).

³ The Cycle 4 assessment is the current assessment and includes data from the Planning Period (January 1, 2007 through December 31, 2016) and the Verified Period (January 1, 2012 through June 30, 2019).

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.
- 2t - Attains one or more designated uses and a TMDL has already been completed.
- 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.
- 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

St. Lucie - Loxahatchee Group 2 Basin - Southeast District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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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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 2018 Beach Advisories.

Fish advisory data are provided by the Florida Department of Health 2019 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.); COAA - Coastal Nutrient Region Atlantic; COAG - Coastal Nutrient Region Gulf;

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 2 St. Lucie - Loxahatchee Final Verified List is based on IWR Run 58 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 2/17/2016.

Tampa Bay Tributaries Group 2 Basin - Southwest District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0388	1443E	Hillsborough River	Estuary	3M	Hillsborough	Iron		≤ 0.3 mg/L	NA	5	5	Impaired	Medium	No Data	23/38	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.
20-0389	1443F	Hillsborough River (below Reservoir)	Estuary	3M	Hillsborough	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	50/115	48/92	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0390	1443I	Hillsborough River (above Reservoir)	Stream	1	Hillsborough	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	3c	5	5	Impaired	High	11/04/2013: Avg CofC - 1.1, FLEPPC - 64% 03/27/2014: Avg CofC - 1.3, FLEPPC - 44% 10/26/2015: Avg CofC - 2.0, FLEPPC - 40% (n=2)	11/04/2013: Avg CofC - 1.1, FLEPPC - 64% 03/27/2014: Avg CofC - 1.3, FLEPPC - 44% 10/26/2015: Avg CofC - 2.0, FLEPPC - 40% (n=2)	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.
20-0391	1455	Trout Creek	Stream	3F	Hillsborough, Pasco	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	Low	No Data	10/35	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0392	1491B	Galloway Lake	Lake	3F	Polk	Dissolved Oxygen (Percent Saturation)	Nutrients	≥ 38 %	4d	5	5	Impaired	Medium	19/52	15/40	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and nutrients have been identified as the causative pollutant. Samples used in this assessment were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being added to the Verified List and will remain on the 303(d) List.
20-0393	1491B	Galloway Lake	Lake	3F	Polk	Nutrients (Chlorophyll-a)		AGM ≤ 20 µg/L	3c	5	5	Impaired	Medium	AGM 2012 (43 µg/L) 2014 (32 µg/L) 2015 (54 µg/L)	AGM 2012 (43 µg/L) 2014 (32 µg/L) 2015 (54 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.
20-0394	1491B	Galloway Lake	Lake	3F	Polk	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	3c	5	5	Impaired	Medium	AGM 2012 (2.14 mg/L) 2014 (1.44 mg/L) 2015 (1.42 mg/L)	AGM 2012 (2.14 mg/L) 2014 (1.44 mg/L) 2015 (1.42 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.
20-0395	1491B	Galloway Lake	Lake	3F	Polk	Nutrients (Total Phosphorus)		Chl-a AGM ≤ 20 µg/L, TP AGM ≤ 0.49 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	3c	5	5	Impaired	Medium	AGM 2012 (0.20 mg/L) 2014 (0.30 mg/L) 2015 (0.32 mg/L)	AGM 2012 (0.20 mg/L) 2014 (0.30 mg/L) 2015 (0.32 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.
20-0396	1522E	Baker Creek East	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	25/41	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. 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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OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0397	1533	Campbell Branch	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	7/9	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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.
20-0398	1537A	Lake Bonnet	Lake	3F	Polk	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.	3c	5	5	Impaired	Medium	LVI (n=2) Mean 1 (9), Mean 2 (29)	LVI (n=2) WBID Mean (19) Mean 1 (9), Mean 2 (29)	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.
20-0399	1537A	Lake Bonnet	Lake	3F	Polk	Lead		Pb ≤ e(1.273[lnH]-4.705) µg/L	3c	5	5	Impaired	Medium	No Data	15/15	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.
20-0400	1537A	Lake Bonnet	Lake	3F	Polk	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	3c	5	5	Impaired	Medium	AGM 2015 (4.15 mg/L)	AGM 2015 (4.15 mg/L) 2017 (3.46 mg/L) 2018 (3.29 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 will remain on the Verified List and the 303(d) List.
20-0401	1542	Pemberton Creek	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	8/12	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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.
20-0402	1542	Pemberton Creek	Stream	3F	Hillsborough	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	3c	5	5	Impaired	Medium	11/07/2012: Avg CofC - .7, FLEPPC - 85%	11/07/2012: Avg CofC - .7, FLEPPC - 85% 04/18/2019: Avg CofC - .6, FLEPPC - 88%	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.
20-0403	1547	Seffner Canal	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	8/36	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0404	1547A	Lake Valrico	Lake	3F	Hillsborough	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.	3c	5	5	Impaired	Medium	LVI (n=2) Mean 1 (7), Mean 2 (18)	LVI (n=2) WBID Mean (13) Mean 1 (7), Mean 2 (18)	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.

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OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0405	1568	Howell Branch	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	8/9	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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.
20-0406	1578B	Turkey Creek above Little Alafia River	Stream	3F	Hillsborough	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.	4d	5	5	Impaired	Medium	SCI (n=3) Mean 1 (26), Mean 2 (42)	SCI (n=3) WBID Mean (34) Mean 1 (26), Mean 2 (42)	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 will remain on the 303(d) List. USF Water Institute provided additional biological data used in this assessment.
20-0407	1578B	Turkey Creek above Little Alafia River	Stream	3F	Hillsborough	Nutrients (Total Nitrogen)		AGM ≤ 1.65 mg/L	4d	5	5	Impaired	Medium	AGM 2007 (2.10 mg/L) 2008 (2.55 mg/L) 2009 (2.49 mg/L) 2010 (3.06 mg/L) 2011 (2.74 mg/L) 2012 (1.99 mg/L) 2013 (2.32 mg/L) 2014 (2.31 mg/L) 2015 (1.89 mg/L) 2016 (2.11 mg/L)	AGM 2012 (1.99 mg/L) 2013 (2.50 mg/L) 2014 (2.31 mg/L) 2015 (1.89 mg/L) 2016 (2.11 mg/L) 2017 (1.78 mg/L) 2018 (1.57 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 will remain on the 303(d) List.
20-0408	1578B	Turkey Creek above Little Alafia River	Stream	3F	Hillsborough	Nutrients (Total Phosphorus)		AGM ≤ 0.49 mg/L	4d	5	5	Impaired	Medium	AGM 2007 (0.74 mg/L) 2008 (0.82 mg/L) 2009 (0.87 mg/L) 2010 (0.70 mg/L) 2011 (0.61 mg/L) 2012 (0.75 mg/L) 2013 (0.73 mg/L) 2014 (0.74 mg/L) 2015 (0.68 mg/L) 2016 (0.60 mg/L)	AGM 2012 (0.75 mg/L) 2013 (0.80 mg/L) 2014 (0.74 mg/L) 2015 (0.68 mg/L) 2016 (0.60 mg/L) 2017 (0.68 mg/L) 2018 (0.74 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 will remain on the 303(d) List.
20-0409	1592	Little Alafia River below Medard Reservoir	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	5/15	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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.
20-0410	1592	Little Alafia River below Medard Reservoir	Stream	3F	Hillsborough	Nutrients (Chlorophyll-a)		≤ 20 µg/L; > 3.2 to ≤ 20 µg/L is a site specific interpretation	3b	5	5	Impaired	Medium	AGM 2007 (11.1 µg/L) 2010 (15.9 µg/L) 2011 (16.5 µg/L) 2012 (10.7 µg/L) 2013 (36 µg/L) 2014 (33 µg/L) 2015 (32 µg/L) 2016 (29 µg/L) 2017 (12.1 µg/L) 2018 (36 µg/L)	AGM 2012 (10.7 µg/L) 2013 (36 µg/L) 2014 (33 µg/L) 2015 (32 µg/L) 2016 (29 µg/L) 2017 (12.1 µg/L) 2018 (36 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.

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20-0411	1592	Little Alafia River below Medard Reservoir	Stream	3F	Hillsborough	Nutrients (Total Phosphorus)		AGM ≤ 0.49 mg/L	4d	5	5	Impaired	Medium	AGM 2007 (0.31 mg/L) 2010 (0.84 mg/L) 2011 (0.65 mg/L) 2012 (0.48 mg/L) 2013 (0.49 mg/L) 2014 (0.66 mg/L) 2015 (0.71 mg/L) 2016 (0.77 mg/L) 2017 (0.65 mg/L) 2018 (0.99 mg/L)	AGM 2012 (0.48 mg/L) 2013 (0.49 mg/L) 2014 (0.66 mg/L) 2015 (0.71 mg/L) 2016 (0.77 mg/L) 2017 (0.65 mg/L) 2018 (0.99 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient threshold 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 will remain on the 303(d) List.
20-0412	1592B	Little Alafia River above Medard Reservoir	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	6/9	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.
20-0413	1621G	Alafia River above Hillsborough Bay	Estuary	3M	Hillsborough	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	253/428	240/351	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0414	1635B	Buckhorn Creek	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	7/8	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.
20-0415	1642	Slovan Branch	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	5/7	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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.
20-0416	1649	McCullough Branch	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	9/9	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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.
20-0417	1651	McDonald Branch	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	7/11	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.

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20-0418	1657	Little Fishhawk Creek	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	6/9	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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.
20-0419	1659	Rice Creek	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	22/24	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. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0420	1660	Bell Creek	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	5/9	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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.
20-0421	1665A	Mizelle Creek	Stream	3F	Hillsborough, Polk	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	8/9	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.
20-0422	1667	Moccasin Creek	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	6/8	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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.
20-0423	1674	Pelleham Branch	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	6/9	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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.
20-0424	1675	Owens Branch	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	8/9	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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.

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20-0425	1684	Halls Branch	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	9/11	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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.
20-0426	1724	Carlton Branch	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	7/10	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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.
20-0427	1732	Pierce Branch	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	8/9	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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.
20-0428	1742A1	Little Manatee River	Stream	3F	Hillsborough, Manatee	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	5/32	16/95	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0429	1742B	Little Manatee River (North Fork)	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	11/61	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0430	1742C1	Little Manatee River (Tidal)	Estuary	3M	Hillsborough	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	240/408	240/349	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0431	1749	Dug Creek	Stream	3F	Hillsborough	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	9/9	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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.
20-0432	1771	Heritage Park Creek	Estuary	3M	Hillsborough	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	35/37	23/25	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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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20-0433	1780	Wildcat Creek	Estuary	3M	Hillsborough	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	33/33	25/26	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0434	1782	Carlton Branch (South Segment)	Stream	3F	Hillsborough, Manatee	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	7/9	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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.
20-0435	1790	Little Manatee River (South Fork)	Stream	3F	Hillsborough, Manatee	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	Low	No Data	9/16	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been confirmed based on land use. 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. There is a DEP Adopted Fecal Coliform TMDL for this waterbody. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0436	1840	Gilley Creek	Stream	1	Manatee	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	Low	No Data	13/19	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. There is a DEP Adopted Fecal Coliform TMDL for this waterbody. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0437	1848B	Manatee River above Braden River	Estuary	3M	Manatee	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	12/22	14/24	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0438	1848B	Manatee River above Braden River	Estuary	3M	Manatee	Nutrients (Chlorophyll-a)		ENRB8: AAM ≤ 8.8 µg/L	2	5	5	Impaired	Medium	ENRB8 (AAM) 2007 (7.7 µg/L) 2008 (8.3 µg/L) 2009 (6.2 µg/L) 2010 (8.7 µg/L) 2011 (9.7 µg/L) 2012 (7.9 µg/L) 2013 (9.1 µg/L) 2014 (10.7 µg/L) 2015 (12.5 µg/L) 2016 (13.6 µg/L)	ENRB8 (AAM) 2012 (7.9 µg/L) 2013 (9.1 µg/L) 2014 (10.7 µg/L) 2015 (12.5 µg/L) 2016 (13.6 µg/L) 2017 (8.4 µg/L)	This waterbody is impaired for this parameter because the annual arithmetic 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.

Tampa Bay Tributaries Group 2 Basin - Southwest District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0439	1848D1	Wares Creek (Estuarine Segment)	Estuary	3M	Manatee	Dissolved Oxygen (Percent Saturation)	Nutrients	≥ 42 %	4d	5	5	Impaired	Medium	14/35	15/39	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and nutrients have been identified as the causative pollutant. Dissolved oxygen measurements taken within tidal areas are assessed using associated specific conductivity data (4,580 µmhos/cm, or 1,500 mg/L chloride, or 2.7 PSU salinity) for the determination of applicable freshwater or marine criteria as described in 62-303.320(11), F.A.C. Samples used in this assessment when the freshwater criteria apply were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being added to the Verified List and it will remain on the 303(d) List.
20-0440	1848D1	Wares Creek (Estuarine Segment)	Estuary	3M	Manatee	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	No Data	14/16	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.
20-0441	1848D1	Wares Creek (Estuarine Segment)	Estuary	3M	Manatee	Nutrients (Chlorophyll-a)		AGM ≤ 11 µg/L	3c	5	5	Impaired	Medium	AGM 2007 (11 µg/L) 2012 (3 µg/L)	AGM 2012 (3 µg/L) 2017 (14 µg/L) 2018 (16 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the nutrient threshold of 11 µg/L 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.
20-0442	1848D2	Wares Creek (Freshwater Segment)	Stream	3F	Manatee	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	5/16	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.
20-0443	1848D2	Wares Creek (Freshwater Segment)	Stream	3F	Manatee	Nutrients (Algal Mats)		RPS ≤ 25%, or when between 20% - 25% Evaluation of Algal Autoecological Data Indicates No Imbalance	NA	5	5	Impaired	Medium	No Data	04/02/2018: 100% 10/24/2018: 99%	This waterbody is impaired for this parameter based on two or more failing rapid periphyton surveys with >25% coverage periphyton. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0444	1872A	Mill Creek (Estuarine Segment)	Estuary	3M	Manatee	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	8/9	18/20	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. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
20-0445	1876	Braden River below Ward Lake	Estuary	3M	Manatee	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	3/3	6/7	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.

Tampa Bay Tributaries Group 2 Basin - Southwest District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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
20-0446	1887	Sugarhouse Creek	Estuary	3M	Manatee	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	13/14	18/19	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use. 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.
20-0447	1899	Gap Creek	Stream	3F	Manatee	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	11/17	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.
20-0448	1899	Gap Creek	Stream	3F	Manatee	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	5	5	Impaired	Medium	No Data	03/06/2018: Avg CofC - 1.1, FLEPPC - 55% 04/30/2019: Avg CofC - 2.0, FLEPPC - 41%	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%. The department is evaluating if this waterbody meets the definition of a stream and is looking for more information on the hydrologic function of this waterbody. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.

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 2004 and included data from that assessment period (January 1, 1991 through June 30, 2003).

The Cycle 2 assessment was completed in 2009 and included data from that assessment period (January 1, 1996 through June 30, 2008).

The Cycle 3 assessment was completed in 2016 and included data from that assessment period (January 1, 2002 through June 30, 2014).

³ The Cycle 4 assessment is the current assessment and includes data from the Planning Period (January 1, 2007 through December 31, 2016) and the Verified Period (January 1, 2012 through June 30, 2019).

[†] 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.
- 2t - Attains one or more designated uses and a TMDL has already been completed.
- 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.
- 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 2018 Beach Advisories.

Fish advisory data are provided by the Florida Department of Health 2019 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.); COAA - Coastal Nutrient Region Atlantic; COAG - Coastal Nutrient Region Gulf; 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.

Tampa Bay Tributaries Group 2 Basin - Southwest District - Cycle 4 FINAL Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	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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The Group 2 Tampa Bay Tributaries Final Verified List is based on IWR Run 58 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 2/17/2016.

EXHIBIT 2

2020 LIST OF WATERS TO BE DELISTED, GROUP 2 BASINS

Apalachicola - Chipola Group 2 Basin - Northwest District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0449	1034B	New River	Stream	3F	Liberty, Franklin	Iron	≤ 1.0 mg/L	5	4c	4c	Delist (Natural Condition)	26/48	39/74	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 62-303.420(1)(a), F.A.C. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0450	1266A	Carrabelle Beach	Beach	3M	Franklin	Bacteria (Beach Advisories)	< 21 days of beach advisories	5	2	2	Delist (Not Impaired)	Beach Advisories 2007 (267 days) 2008 (266 days) 2009 (154 days) 2010 (27 days) 2011 (0 days) 2012 (0 days) 2013 (28 days) 2014 (0 days) 2015 (18 days) 2016 (0 days) 2017 (0 days) 2018 (no advisory)	Beach Advisories 2012 (0 days) 2013 (28 days) 2014 (0 days) 2015 (18 days) 2016 (0 days) 2017 (0 days) 2018 (no advisory)	This waterbody is not impaired for this parameter because there were fewer than 21 days of advisories in any one year during the verified period, for the most recent five consecutive years. Beach WBID assessment is based on beach advisory information received from DOH. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0451	1274	Apalachicola Bay	Estuary	2	Franklin	Fecal Coliform	≤ 43 MPN/100 mL	5	2	2	Delist (Not Impaired)	398/3760	116/2034	This waterbody is not impaired for this parameter based on the number of exceedances for the sample size. The exceedance rate meets the delisting requirements of Table 4 as described in 62-303.720, F.A.C. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0452	1274	Apalachicola Bay	Estuary	2	Franklin	Fecal Coliform (5)	≤ 400 Counts / 100 mL	NA	NA	NA	Delist (Not Applicable)	NA	NA	This waterbody was previously listed as impaired for this parameter; however, it is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List because it is no longer assessed to determine impairment, per 62-303.720(2)(L), F.A.C. This WBID remains on the Verified List and 303(d) List for Fecal Coliform (3) and Fecal Coliform (SEAS Classification).
20-0453	1274A	East Bay	Estuary	2	Franklin	Fecal Coliform (3)	≤ 14 MPN/100 mL	5	2	2	Delist (Not Impaired)	Not Impaired	Not Impaired	This waterbody is not impaired for this parameter based on the number of exceedances for the sample size. The waterbody does not include any sampling locations that have a median fecal coliform MPN value that exceeds 14 counts per 100 ml. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0454	1274A	East Bay	Estuary	2	Franklin	Fecal Coliform (5)	≤ 400 Counts / 100 mL	NA	NA	NA	Delist (Not Applicable)	NA	NA	This waterbody was previously listed as impaired for this parameter; however, it is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List because it is no longer assessed to determine impairment, per 62-303.720(2)(L), F.A.C. This WBID remains on the Verified List and 303(d) List for Fecal Coliform and Fecal Coliform (SEAS Classification).

Apalachicola - Chipola Group 2 Basin - Northwest District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0455	376A	Mosquito Creek	Stream	3F	Gadsden	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	8/45	3/13	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0456	393	South Mosquito Creek	Stream	3F	Gadsden	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	5/19	1/1	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0457	52	Cowarts Creek	Stream	3F	Jackson	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	14/118	10/60	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0458	8022A	St George Island State Park	Beach	3M	Franklin	Bacteria (Beach Advisories)	< 21 days of beach advisories	5	2	2	Delist (Not Impaired)	Beach Advisories 2007 (26 days) 2008 (64 days) 2009 (42 days) 2010 (0 days) 2011 (0 days) 2012 (0 days) 2013 (no advisory) 2014 (no advisory) 2015 (no advisory) 2016 (no advisory)	Beach Advisories 2012 (0 days) 2013 (no advisory) 2014 (no advisory) 2015 (no advisory) 2016 (no advisory) 2017 (no advisory) 2018 (no advisory)	This waterbody is not impaired for this parameter because there were fewer than 21 days of advisories in any one year during the verified period, for the most recent five consecutive years. Beach WBID assessment is based on beach advisory information received from DOH. [^] This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.

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 2004 and included data from that assessment period (January 1, 1991 through June 30, 2003).

The Cycle 2 assessment was completed in 2009 and included data from the assessment period (January 1, 1996 through June 30, 2008).

The Cycle 3 assessment was completed in 2016 and included data from that assessment period (January 1, 2002 through June 30, 2014).

³ The Cycle 4 assessment is the current assessment and includes data from that Planning Period (January 1, 2007 through December 31, 2016) and the Verified Period (January 1, 2012 through June 30, 2019).

[†] EPA's Integrated Report Category:

- 1 - Attains all designated uses.

Apalachicola - Chipola Group 2 Basin - Northwest District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
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² - Attains some designated uses and insufficient or no information or data are present to determine if remaining uses are attained.

2t - Attains one or more designated uses and a TMDL has already been completed.

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.

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 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.

A statewide TMDL for mercury was adopted in 2012.

[^] 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 2018 Beach Advisories.

Fish advisory data are provided by the Florida Department of Health 2019 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.); COAA - Coastal Nutrient Region Atlantic; COAG - Coastal Nutrient Region Gulf;

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 2 Apalachicola - Chipola Final Delist List is based on IWR Run 58 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 2/17/2016.

Charlotte Harbor Group 2 Basin - South District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0459	1983A	Upper Lemon Bay	Estuary	2	Charlotte,Sarasota	Fecal Coliform	≤ 43 MPN/100 mL	5	2	2	Delist (Not Impaired)	60/909	45/550	This waterbody is not impaired for this parameter based on the number of exceedances for the sample size. The exceedance rate meets the delisting requirements of Table 4 as described in 62-303.720, F.A.C. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0460	2030	Alligator Creek (Tidal Segment)	Estuary	3M	Sarasota	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	125/327	79/200	This waterbody was previously listed as impaired on the Verified List for this parameter and there is a DEP Adopted Fecal Coliform TMDL. However, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Enterococci is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0461	2039	Forked Creek	Estuary	3M	Sarasota	Nutrients (Chlorophyll-a)	AGM ≤ 11 µg/L	5	3b	3b	Delist (Insufficient Data)	AGM 2007 (16 µg/L) 2008 (14 µg/L) 2009 (14 µg/L) 2010 (15 µg/L) 2011 (17 µg/L) 2012 (22 µg/L) 2013 (8 µg/L) 2014 (7 µg/L) 2015 (6 µg/L) 2016 (10 µg/L) 2017 (10 µg/L) 2018 (12 µg/L)	AGM 2012 (22 µg/L) 2013 (8 µg/L) 2014 (7 µg/L) 2015 (6 µg/L) 2016 (10 µg/L) 2017 (10 µg/L) 2018 (12 µg/L)	This waterbody is not impaired for this parameter because the annual geometric means did not exceed the nutrient threshold in a three year period. The assessment category is 3b (Insufficient Data) because biological or site-specific data are needed to determine whether or not the waterbody fully attains the designated use. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0462	2042	Woodmere Creek	Estuary	3M	Sarasota	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	114/159	86/120	This waterbody was previously listed as impaired on the Verified List for this parameter and there is a DEP Adopted Fecal Coliform TMDL. However, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Enterococci is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0463	2065C	Charlotte Harbor (Middle Segment2)	Estuary	2	Charlotte	Nutrients (Chlorophyll-a)	ENRD4: AAM ≤ 6.1 µg/L	5	2	2	Delist (Not Impaired)	ENRD4 (AAM) 2007 (7.2 µg/L) 2008 (8.0 µg/L) 2009 (7.6 µg/L) 2010 (6.3 µg/L) 2011 (7.5 µg/L) 2012 (8.3 µg/L) 2013 (6.3 µg/L) 2014 (6.7 µg/L) 2015 (5.5 µg/L) 2016 (5.5 µg/L)	ENRD4 (AAM) 2012 (8.3 µg/L) 2013 (6.3 µg/L) 2014 (6.7 µg/L) 2015 (5.5 µg/L) 2016 (5.5 µg/L) 2017 (5.7 µg/L) 2018 (3.9 µg/L) 2019 (2.3 µg/L)	This waterbody is not impaired for this parameter because the annual arithmetic means did not exceed the applicable ENR criteria in a three year period. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.

Charlotte Harbor Group 2 Basin - South District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0464	2074	Alligator Creek	Stream	1	Charlotte	Dissolved Solids	≤ 500 mg/L monthly average; 1,000 max	5	2	2	Delist (Not Impaired)	0/28	0/32	This waterbody is not impaired for this parameter based on the number of exceedances for the sample size. The exceedance rate meets the delisting requirements of Table 4 as described in 62-303.720, F.A.C. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0465	2092F	Sanibel River Basin	Estuary	3M	Lee	Dissolved Oxygen (Percent Saturation)	NA	5	NA	NA	Delist (Retired WBID)	NA	NA	This waterbody ID has been retired and all associated data have been re-assigned to WBID(s) 2092F1 and 2092F2. WBID 2092F1 is impaired for this parameter and is not being added to the 303(d) List because of a DEP Adopted Nutrient TMDL. WBID 2092F2 is impaired for this parameter and is not being added to the 303(d) List because of a DEP Adopted Nutrient TMDL. This waterbody is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0466	2092F	Sanibel River Basin	Estuary	3M	Lee	Nutrients (Chlorophyll-a)	NA	5	NA	NA	Delist (Retired WBID)	NA	NA	This waterbody ID has been retired and all associated data have been re-assigned to WBID(s) 2092F1 and 2092F2. WBID 2092F1 is impaired for this parameter and is not being added to the 303(d) List because of a DEP Adopted Nutrient TMDL. WBID 2092F2 is impaired for this parameter and is not being added to the 303(d) List because of a DEP Adopted Nutrient TMDL. This waterbody is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.

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 2004 and included data from that assessment period (January 1, 1991 through June 30, 2003).

The Cycle 2 assessment was completed in 2009 and included data from the assessment period (January 1, 1996 through June 30, 2008).

The Cycle 3 assessment was completed in 2016 and included data from that assessment period (January 1, 2002 through June 30, 2014).

³ The Cycle 4 assessment is the current assessment and includes data from that Planning Period (January 1, 2007 through December 31, 2016) and the Verified Period (January 1, 2012 through June 30, 2019).

[†] 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.
- 2t - Attains one or more designated uses and a TMDL has already been completed.
- 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.
- 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 Where data are presented as x/y, x represents the number of exceedances and y represents the total number of samples.

Charlotte Harbor Group 2 Basin - South District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
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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.

A statewide TMDL for mercury was adopted in 2012.

[^] 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 2018 Beach Advisories.

Fish advisory data are provided by the Florida Department of Health 2019 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.); COAA - Coastal Nutrient Region Atlantic; COAG - Coastal Nutrient Region Gulf; 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 2 Charlotte Harbor Final Delist List is based on IWR Run 58 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 2/17/2016.

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0467	2181A	Dunn Creek (Marine Segment)	Estuary	3M	Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	67/185	26/73	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Enterococci is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0468	2206	Little Trout River	Estuary	3M	Duval	Dissolved Oxygen (Percent Saturation)	≥ 42 %	5	3c	4d	Delist (Study List)	9/14	2/4	This waterbody is potentially impaired for this parameter based on the number of exceedances for the sample size, but is being placed in category 4d per 62-303.720(2)(o), F.A.C. Nutrients were identified as the causative pollutant in the previous assessment, but are not impaired based on data in the current verified period. Dissolved oxygen measurements taken within tidal areas are assessed using associated specific conductivity data (4,580 µmhos/cm, or 1,500 mg/L chloride, or 2.7 PSU salinity) for the determination of applicable freshwater or marine criteria as described in 62-303.320(11), F.A.C. Samples used in this assessment when the freshwater criteria apply were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0469	2210	West Branch Blockhouse Creek	Stream	3F	Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	44/61	13/19	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0470	2213A	St Johns River above Mouth	Estuary	3M	Duval	Iron	≤ 0.3 mg/L	5	4c	4c	Delist (Natural Condition)	9/38	9/31	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. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0471	2213B	St Johns River above ICWW	Estuary	3M	Duval	Lead	≤ 8.5 µg/L	5	2	2	Delist (Not Impaired)	0/45	1/88	This waterbody is not impaired for this parameter based on the number of exceedances for the sample size. The exceedance rate meets the delisting requirements of Table 4 as described in 62-303.720, F.A.C. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0472	2213I	St Johns River above Black Creek	Lake	3F	Clay,St. Johns	Silver	≤ 0.07 µg/L	5	2	2	Delist (Not Impaired)	2/45	0/48	This waterbody is not impaired for this parameter based on the number of exceedances for the sample size. The exceedance rate meets the delisting requirements of Table 4 as described in 62-303.720, F.A.C. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0473	2213P2	Cedar River	Estuary	3M	Duval	Iron	≤ 0.3 mg/L	5	4c	4c	Delist (Natural Condition)	27/43	33/49	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. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0474	2213R	Unnamed Drain to St Johns River	Stream	3F	St. Johns	Iron	≤ 1.0 mg/L	5	3c	4c	Delist (Natural Condition)	16/88	0/1	This waterbody is potentially 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. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0475	2220	Ninemile Creek	Stream	3F	Duval	Dissolved Oxygen (Percent Saturation)	NA	5	NA	NA	Delist (Retired WBID)	NA	NA	This Waterbody ID has been retired and all associated data have been re-assigned to WBIDs 2220A and 2220B to better represent the waterbody. This waterbody was previously listed as impaired on the Verified List for this parameter. WBID 2220A is on the Planning List for this parameter and is not being added to the 303(d) List. WBID 2220B is not impaired for this parameter and is not being added to the 303(d) List. This waterbody is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0476	2220	Ninemile Creek	Stream	3F	Duval	Fecal Coliform	NA	5	NA	NA	Delist (Retired WBID)	NA	NA	This waterbody ID has been retired and all associated data have been re-assigned to WBIDs 2220A and 2220B to better represent the waterbody. This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli will be included in the Strategic Monitoring Plan for WBID 2220B. This waterbody is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0477	2223	Trout River (Upper Reach)	Stream	3F	Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	5/15	No Data	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0478	2227	Sherman Creek	Estuary	3M	Duval	Iron	≤ 0.3 mg/L	5	3c	4c	Delist (Natural Condition)	11/20	No Data	This waterbody is potentially 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. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0479	2244	Cowhead Creek	Stream	3F	Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	35/54	13/17	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0480	2246	Jones Creek	Stream	3F	Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	144/212	107/142	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0481	2249A	Ortega River	Stream	3F	Clay,Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	20/136	9/54	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0482	2249B	McGirts Creek	Stream	3F	Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	25/60	8/17	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0483	2252	Hogan Creek	Stream	3F	Duval	Dissolved Oxygen (Percent Saturation)	≥ 34 %	5	2	2	Delist (Not Impaired)	38/291	18/248	This waterbody is not impaired for this parameter based on the number of exceedances for the sample size. The exceedance rate meets the delisting requirements of Table 4 as described in 62-303.720, F.A.C. Dissolved oxygen measurements taken within tidal areas are assessed using associated specific conductivity data (4,580 µmhos/cm, or 1,500 mg/L chloride, or 2.7 PSU salinity) for the determination of applicable freshwater or marine criteria as described in 62-303.320(11), F.A.C. Samples used in this assessment when the freshwater criteria apply were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0484	2256	Deer Creek	Estuary	3M	Duval	Dissolved Oxygen (Percent Saturation)	≥ 42 %	5	4d	4d	Delist (Study List)	96/221	23/122	This waterbody is impaired for this parameter based on the number of exceedances for the sample size, but is being placed in category 4d per 62-303.720(2)(o), F.A.C. Nutrients were identified as the causative pollutant in the previous assessment, but are not impaired based on data in the current verified period. Dissolved oxygen measurements taken within tidal areas are assessed using associated specific conductivity data (4,580 µmhos/cm, or 1,500 mg/L chloride, or 2.7 PSU salinity) for the determination of applicable freshwater or marine criteria as described in 62-303.320(11), F.A.C. Samples used in this assessment when the freshwater criteria apply were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0485	2262B	Cedar River	Stream	3F	Duval	Iron	≤ 1.0 mg/L	5	3c	4c	Delist (Natural Condition)	6/18	0/1	This waterbody is potentially 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. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0486	2278	Silversmith Creek	Stream	3F	Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	44/76	13/18	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0487	2280A	Big Fishweir Creek (Freshwater Segment)	Stream	3F	Duval	Iron	≤ 1.0 mg/L	5	3c	4c	Delist (Natural Condition)	6/15	No Data	This waterbody is potentially 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. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0488	2284B	Little Pottsburg Creek (Freshwater Portion)	Stream	3F	Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	50/62	14/18	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0489	2290	Cedar Swamp Creek	Stream	3F	Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	17/49	6/18	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0490	2304	Miramar Creek	Stream	3F	Duval	Dissolved Oxygen (Percent Saturation)	≥ 34 %	5	2	2	Delist (Not Impaired)	29/194	8/163	This waterbody is not impaired for this parameter based on the number of exceedances for the sample size. The exceedance rate meets the delisting requirements of Table 4 as described in 62-303.720, F.A.C. Dissolved oxygen measurements taken within tidal areas are assessed using associated specific conductivity data (4,580 μmhos/cm, or 1,500 mg/L chloride, or 2.7 PSU salinity) for the determination of applicable freshwater or marine criteria as described in 62-303.320(11), F.A.C. Samples used in this assessment when the freshwater criteria apply were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0491	2305	Wills Branch (South Prong)	Stream	3F	Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	25/38	14/18	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0492	2306	New Rose Creek	Stream	3F	Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	48/110	31/67	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0493	2308	Eagle Run	Stream	3F	Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	28/50	8/15	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0494	2319	Bennett Branch	Stream	3F	Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	23/34	9/15	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0495	2322	Butcher Pen Creek	Stream	3F	Duval	Dissolved Oxygen (Percent Saturation)	≥ 34 %	5	4d	4d	Delist (Study List)	56/223	42/165	This waterbody is impaired for this parameter based on the number of exceedances for the sample size, but is being placed in category 4d per 62-303.720(2)(o), F.A.C. Nutrients were identified as the causative pollutant in the previous assessment, but is / are not impaired based on data in the current verified period. Dissolved oxygen measurements taken within tidal areas are assessed using associated specific conductivity data (4,580 µmhos/cm, or 1,500 mg/L chloride, or 2.7 PSU salinity) for the determination of applicable freshwater or marine criteria as described in 62-303.320(11), F.A.C. Samples used in this assessment when the freshwater criteria apply were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being removed from the Verified List but will remain on the 303(d) List.

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0496	2323	Yellow Water Creek	Stream	3F	Clay, Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	14/76	10/35	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is not impaired for this waterbody. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0497	2338	Unnamed Branch	Stream	3F	Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	18/37	9/17	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0498	2351	Julington Creek	Stream	3F	Duval	Iron	≤ 1.0 mg/L	5	3c	4c	Delist (Natural Condition)	27/28	1/2	This waterbody is potentially 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. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0499	2370	Oldfield Creek	Stream	3F	Duval	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	38/65	13/22	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0500	2389	Doctors Lake	Lake	3F	Clay	Nutrients (Chlorophyll-a)	AGM ≤ 20 µg/L	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (27 µg/L) 2008 (25 µg/L) 2009 (21 µg/L) 2010 (12 µg/L) 2011 (25 µg/L) 2012 (28 µg/L) 2013 (32 µg/L) 2014 (14 µg/L) 2015 (23 µg/L) 2016 (19 µg/L)	AGM 2012 (28 µg/L) 2013 (26 µg/L) 2014 (11 µg/L) 2015 (21 µg/L) 2016 (18 µg/L) 2017 (38 µg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a DEP Adopted Nutrient TMDL. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0501	2389	Doctors Lake	Lake	3F	Clay	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	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (0.11 mg/L) 2008 (0.09 mg/L) 2009 (0.07 mg/L) 2010 (0.06 mg/L) 2011 (0.06 mg/L) 2012 (0.08 mg/L) 2013 (0.07 mg/L) 2014 (0.06 mg/L) 2015 (0.08 mg/L) 2016 (0.07 mg/L)	AGM 2012 (0.08 mg/L) 2013 (0.08 mg/L) 2014 (0.07 mg/L) 2015 (0.10 mg/L) 2016 (0.08 mg/L) 2017 (0.07 mg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a DEP Adopted Nutrient TMDL. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0502	2402	Bowen Branch	Stream	3F	Duval,St. Johns	Iron	≤ 1.0 mg/L	5	3c	4c	Delist (Natural Condition)	12/29	No Data	This waterbody is potentially 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. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0503	2448	Kendall Creek	Stream	3F	St. Johns	Iron	≤ 1.0 mg/L	5	3c	4c	Delist (Natural Condition)	13/32	No Data	This waterbody is potentially 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. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0504	2540	Moccasin Branch	Stream	3F	St. Johns	Iron	≤ 1.0 mg/L	5	4c	4c	Delist (Natural Condition)	18/79	15/41	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. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0505	2561	Unnamed Ditches	Stream	3F	St. Johns	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.	5	3c	3c	Delist (Planning List)	SCI (n=2) Mean 1 (23), Mean 2 (13)	No Data	This waterbody is potentially impaired for this parameter and is being added to the Planning List due to failing bioassessments in the planning period. 21FLGW (Status and Trends Monitoring Network) SCI data is being excluded from the verified period because the design of the Status and Trends Monitoring Network does not follow the department's "Sampling and Use of the Stream Condition Index for Assessing Flowing Waters: A Primer" document for selecting SCI sites. Follow-up SCIs are therefore needed to confirm attainment of the designated use. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0506	2589	Sixteen Mile Creek	Stream	3F	Flagler,St. Johns	Iron	≤ 1.0 mg/L	5	4c	4c	Delist (Natural Condition)	25/117	9/45	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. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0507	2606B	Crescent Lake	Lake	3F	Putnam, Flagler, Volusia	Nutrients (Chlorophyll-a)	AGM ≤ 15 µg/L	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (37 µg/L) 2008 (15 µg/L) 2009 (3 µg/L) 2010 (12 µg/L) 2011 (27 µg/L) 2012 (25 µg/L) 2013 (21 µg/L) 2014 (16 µg/L) 2015 (18 µg/L) 2016 (16 µg/L)	AGM 2012 (25 µg/L) 2013 (21 µg/L) 2014 (16 µg/L) 2015 (18 µg/L) 2016 (16 µg/L) 2017 (27 µg/L)	This waterbody is impaired for this parameter and is being delisted from the Verified List and placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted -EPA Approved Nutrient TMDL. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0508	2606B	Crescent Lake	Lake	3F	Putnam, Flagler, Volusia	Nutrients (Total Phosphorus)	7-yr Average of Annual Loads ≤ 26,289 kg/yr	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (0.08 mg/L) 2008 (0.08 mg/L) 2009 (0.11 mg/L) 2010 (0.08 mg/L) 2011 (0.06 mg/L) 2012 (0.06 mg/L) 2013 (0.05 mg/L) 2014 (0.05 mg/L) 2015 (0.07 mg/L) 2016 (0.07 mg/L)	AGM 2012 (0.06 mg/L) 2013 (0.04 mg/L) 2014 (0.05 mg/L) 2015 (0.07 mg/L) 2016 (0.07 mg/L) 2017 (0.06 mg/L)	This waterbody does not exceed the numeric interpretation of the narrative nutrient criteria for this parameter, but there is a site-specific (Hierarchy 1) DEP Adopted Nutrient TMDL with a total phosphorus criterion expressed as a load. It is being placed in category 4a (TMDL Complete), until the information has been provided confirming the loading criteria have been achieved. This parameter exceeds the TMDL target concentration of 0.05 mg/L as an annual geometric mean not to be exceeded more than once in three-year period. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.

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 2004 and included data from that assessment period (January 1, 1991 through June 30, 2003).

The Cycle 2 assessment was completed in 2009 and included data from the assessment period (January 1, 1996 through June 30, 2008).

The Cycle 3 assessment was completed in 2016 and included data from that assessment period (January 1, 2002 through June 30, 2014).

³ The Cycle 4 assessment is the current assessment and includes data from that Planning Period (January 1, 2007 through December 31, 2016) and the Verified Period (January 1, 2012 through June 30, 2019).

† 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.
- 2t - Attains one or more designated uses and a TMDL has already been completed.
- 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.
- 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 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.

A statewide TMDL for mercury was adopted in 2012.

^ 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 2018 Beach Advisories.

Lower St. Johns Group 2 Basin - Northeast District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
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Fish advisory data are provided by the Florida Department of Health 2019 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.); COAA - Coastal Nutrient Region Atlantic; COAG - Coastal Nutrient Region Gulf;

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 2 Lower St. Johns Final Delist List is based on IWR Run 58 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 2/17/2016.

Middle St. Johns Group 2 Basin - Central District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0509	22130	St Johns River above Ocklawaha River	Stream	3F	Putnam	Nutrients (Chlorophyll-a)	≤ 22 µg/L	5	4a	4a	Delist (TMDL Complete)	AGM No Data	AGM Insufficient Data	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. This parameter has insufficient data to determine if the chlorophyll-a TMDL target of 22 µg/L as an annual geometric mean exceeds once in the assessment period. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0510	22130	St Johns River above Ocklawaha River	Stream	3F	Putnam	Un-ionized Ammonia	≤ 0.02 mg/L as NH3	5	NA	NA	Delist (Not Applicable)	No Data	0/1	This waterbody was previously listed as impaired on the Verified List for this parameter; however, un-ionized ammonia is no longer assessed to determine impairment per 62-303.720(2)(L), F.A.C. Total ammonia has insufficient data available to assess during the verified period and is being included in the Strategic Monitoring Plan. There is also a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL that addresses this parameter. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0511	28933A	Blue Spring (Volusia County) Run	Stream	3F	Volusia	Nutrients (Algal Mats)	RPS ≤ 25%, or when between 20% - 25% Evaluation of Algal Autoecological Data Indicates No Imbalance	5	4a	4a	Delist (TMDL Complete)	No Data	No Data	This waterbody was impaired based on site-specific documentation in a previous cycle. There are no Rapid Periphyton Survey results to assess for this waterbody; however, it is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. This waterbody will be assessed for nitrate-nitrite in future assessments and will be placed in category 4a (TMDL Complete) for that parameter. The department is removing it from the Verified List and requesting EPA remove this parameter from the 303(d) List.
20-0512	2893A	Lake George	Lake	3F	Putnam, Volusia	Nutrients (Chlorophyll-a)	AGM ≤ 23 µg/L	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (46 µg/L) 2008 (30 µg/L) 2009 (20 µg/L) 2010 (32 µg/L) 2011 (55 µg/L) 2012 (26 µg/L) 2013 (22 µg/L) 2014 (20 µg/L) 2015 (21 µg/L) 2016 (27 µg/L)	AGM 2012 (25 µg/L) 2013 (23 µg/L) 2014 (19 µg/L) 2015 (21 µg/L) 2016 (27 µg/L) 2017 (50 µg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. Additionally, this parameter exceeds the chlorophyll-a TMDL target of 23 µg/L as an annual geometric mean never to be exceeded. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0513	2893A	Lake George	Lake	3F	Putnam, Volusia	Nutrients (Total Phosphorus)	(LOAD) ≤ 2,324 kg/yr as a seven-year average of annual loads	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (0.05 mg/L) 2008 (0.06 mg/L) 2009 (0.08 mg/L) 2010 (0.06 mg/L) 2011 (0.07 mg/L) 2012 (0.06 mg/L) 2013 (0.05 mg/L) 2014 (0.06 mg/L) 2015 (0.07 mg/L) 2016 (0.05 mg/L)	AGM 2012 (0.06 mg/L) 2013 (0.05 mg/L) 2014 (0.06 mg/L) 2015 (0.07 mg/L) 2016 (0.05 mg/L) 2017 (0.07 mg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. The total phosphorus criterion is expressed as a load and is being placed in category 4a (TMDL Complete), until the information has been provided confirming the loading criteria have been achieved. This parameter exceeds the TMDL target concentration of 0.06 mg/L as an annual geometric mean never to be exceeded. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.

Middle St. Johns Group 2 Basin - Central District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0514	2893A5	St Johns River below Lake George	Stream	3F	Putnam	Nutrients (Chlorophyll-a)	AGM ≤ 23 µg/L	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (30 µg/L) 2008 (14.1 µg/L) 2009 (27 µg/L) 2010 (26 µg/L) 2011 (34 µg/L) 2012 (23 µg/L) 2013 (27 µg/L) 2014 (21 µg/L) 2015 (22 µg/L) 2016 (21 µg/L)	AGM 2012 (23 µg/L) 2013 (27 µg/L) 2014 (21 µg/L) 2015 (22 µg/L) 2016 (21 µg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. This parameter exceeds the chlorophyll-a TMDL target of 23 µg/L as an annual geometric mean never to be exceeded. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0515	2893U	Lake Beresford	Lake	3F	Volusia	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	5	2	2	Delist (Not Impaired)	AGM 2011 (1.59 mg/L) 2012 (1.49 mg/L) 2015 (1.38 mg/L)	AGM 2012 (1.49 mg/L) 2017 (1.25 mg/L) 2018 (1.28 mg/L) 2019 (1.02 mg/L)	This waterbody is not impaired for this parameter. The annual geometric means did not exceed the nutrient criteria for a high color lake more than once in a three year period. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0516	2893U	Lake Beresford	Lake	3F	Volusia	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	5	2	2	Delist (Not Impaired)	AGM 2009 (0.03 mg/L) 2010 (0.04 mg/L) 2011 (0.07 mg/L) 2012 (0.06 mg/L) 2014 (0.06 mg/L) 2015 (0.07 mg/L)	AGM 2012 (0.06 mg/L) 2014 (0.06 mg/L) 2015 (0.08 mg/L) 2017 (0.08 mg/L) 2018 (0.11 mg/L) 2019 (0.07 mg/L)	This waterbody is not impaired for this parameter. The annual geometric means did not exceed the nutrient criteria for a high color lake more than once in a three year period. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0517	2922	Deep Creek Diversion	Stream	3F	Volusia	Iron	≤ 1.0 mg/L	5	4c	4c	Delist (Natural Condition)	22/37	15/28	This waterbody is impaired for this parameter based on the number of exceedances for the sample size but is being in category 4c because it has been determined that the impairment is due to natural conditions based on analysis performed by DEP Ground Water Management Section, Report "Evaluation of Potential Ground Water/Geologic Contributions of Iron." This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0518	2925	Deep Creek / Lake Ashby Canal	Stream	3F	Volusia	Dissolved Oxygen (Percent Saturation)	≥ 38 %	5	4d	4d	Delist (Study List)	45/170	54/138	This waterbody is impaired for this parameter based on the number of exceedances for the sample size, but is being placed in category 4d per 62-303.720(2)(o), F.A.C. Biochemical Oxygen Demand was identified as the causative pollutant in the previous assessment, but there is no data in the current verified period. Samples used in this assessment were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0519	2953	Bethel Lake	Lake	3F	Volusia	Nutrients (Chlorophyll-a)	AGM ≤ 20 µg/L	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (47 µg/L) 2012 (48 µg/L) 2013 (62 µg/L)	AGM 2012 (48 µg/L) 2013 (62 µg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. Additionally, this parameter exceeds the chlorophyll-a TMDL target of 20 µg/L as a seven year average never to be exceeded. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.

Middle St. Johns Group 2 Basin - Central District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0520	2953	Bethel Lake	Lake	3F	Volusia	Nutrients (Total Nitrogen)	(LOAD) ≤ 4,234 lbs/yr as 7-yr rolling average	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (1.62 mg/L) 2008 (1.57 mg/L) 2010 (1.90 mg/L) 2011 (1.97 mg/L) 2012 (1.82 mg/L) 2013 (2.21 mg/L)	AGM 2012 (1.90 mg/L) 2013 (2.21 mg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. The total nitrogen criterion is expressed as a load and is being placed in category 4a (TMDL Complete), until the information has been provided confirming the loading criteria have been achieved. This parameter exceeds the TMDL target concentration of 1.12 mg/L as an annual geometric mean more than once in a three year period. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0521	2953	Bethel Lake	Lake	3F	Volusia	Nutrients (Total Phosphorus)	(LOAD) ≤ 234 lbs/yr as 7-yr rolling average	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (0.05 mg/L) 2008 (0.07 mg/L) 2010 (0.06 mg/L) 2011 (0.08 mg/L) 2012 (0.06 mg/L) 2013 (0.07 mg/L)	AGM 2012 (0.07 mg/L) 2013 (0.07 mg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. The total phosphorus criterion is expressed as a load and is being placed in category 4a (TMDL Complete), until the information has been provided confirming the loading criteria have been achieved. This parameter exceeds the TMDL target concentration of 0.04 mg/L as an annual geometric mean more than once in a three year period. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0522	2984	Six Mile Creek	Stream	3F	Seminole	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	12/27	3/8	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-303.530, F.A.C. Escherichia Coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0523	2986	Soldier Creek	Stream	3F	Seminole	Fecal Coliform	≤ 400 Counts / 100 mL	5	4a	4a	Delist (TMDL Complete)	33/120	9/56	This waterbody is not impaired for this parameter during the planning period but does not meet the delisting requirements of Table 4 described in 62-303.720, F.A.C. This parameter is being placed in category 4a because there is a DEP Adopted Fecal Coliform TMDL. Escherichia Coli will be included in the Strategic Monitoring Plan for this waterbody in order to collect the new bacteria parameter. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List. There is a DEP Adopted fecal coliform TMDL for this waterbody.
20-0524	2986D	Lake Alma	Lake	3F	Seminole	Nutrients (Chlorophyll-a)	AGM ≤ 30 µg/L	5	4a	4a	Delist (TMDL Complete)	AGM 2011 (26 µg/L) 2012 (27 µg/L) 2014 (31 µg/L) 2015 (26 µg/L)	AGM 2012 (27 µg/L) 2014 (31 µg/L) 2015 (26 µg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. This parameter exceeds the chlorophyll-a TMDL target of 30 µg/L as an annual geometric mean never to be exceeded. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.

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OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0525	2986D	Lake Alma	Lake	3F	Seminole	Nutrients (Total Nitrogen)	(LOAD) ≤ 1,036 lb/yr as a seven-year average of annual loads	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (2.84 mg/L) 2008 (1.90 mg/L) 2009 (2.89 mg/L) 2010 (2.19 mg/L) 2011 (2.05 mg/L) 2012 (2.24 mg/L) 2014 (2.23 mg/L) 2015 (1.64 mg/L)	AGM 2012 (2.24 mg/L) 2014 (2.23 mg/L) 2015 (1.64 mg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. The total nitrogen criterion is expressed as a load and is being placed in category 4a (TMDL Complete), until the information has been provided confirming the loading criteria have been achieved. This parameter exceeds the TMDL target concentration of 1.41 mg/L as an annual geometric mean never to be exceeded. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0526	2986D	Lake Alma	Lake	3F	Seminole	Nutrients (Total Phosphorus)	(LOAD) ≤ 91 lb/yr as a seven-year average of annual loads	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (0.14 mg/L) 2008 (0.15 mg/L) 2009 (0.20 mg/L) 2010 (0.12 mg/L) 2011 (0.09 mg/L) 2012 (0.07 mg/L) 2014 (0.12 mg/L) 2015 (0.07 mg/L)	AGM 2012 (0.07 mg/L) 2014 (0.12 mg/L) 2015 (0.07 mg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. The total phosphorus criterion is expressed as a load and is being placed in category 4a (TMDL Complete), until the information has been provided confirming the loading criteria have been achieved. This parameter exceeds the TMDL target concentration of 0.13 mg/L as an annual geometric mean never to be exceeded in the planning period. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0527	2986E	Lake Searcy	Lake	3F	Seminole	Nutrients (Total Phosphorus)	(LOAD) ≤ 96 lb/yr as a seven-year average of annual loads	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (0.05 mg/L) 2008 (0.05 mg/L) 2009 (0.06 mg/L) 2010 (0.05 mg/L) 2012 (0.06 mg/L) 2015 (0.05 mg/L)	AGM 2012 (0.06 mg/L) 2015 (0.05 mg/L) 2018 (0.08 mg/L) 2019 (0.06 mg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. The total phosphorus criterion is expressed as a load and is being placed in category 4a (TMDL Complete), until the information has been provided confirming the loading criteria have been achieved. This parameter exceeds the TMDL target concentration of 0.05 mg/L as an annual geometric mean never to be exceeded. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0528	2990	Salt Creek	Stream	3F	Seminole	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	7/38	1/6	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia Coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.

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OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0529	2991	Econlockhatchee River	Stream	3F	Osceola, Seminole, Orange	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	56/161	35/90	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0530	2992	Black Hammock	Stream	3F	Seminole	Dissolved Oxygen (Percent Saturation)	≥ 38 %	5	4d	4d	Delist (Study List)	14/98	5/88	This waterbody is impaired for this parameter based on the number of exceedances for the sample size, but is being placed in category 4d per 62-303.720(2)(o), F.A.C. Nutrients were identified as the causative pollutant in the previous assessment, but are not impaired based on data in the current verified period. This waterbody meets the definition of a man-made, or predominantly channelized or predominantly physically altered conveyance as per paragraph 62-302.200(36)(b), F.A.C. and is therefore excluded from the definition of "stream" in paragraph 62-302.200(36), F.A.C. Consequently, this waterbody is not subject to the stream Numeric Nutrient Criteria in paragraph 62-302.531(2)(c), F.A.C. and is instead assessed against the narrative nutrient criterion as described in 62-302.530(90)(b), F.A.C. This samples used in this assessment were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0531	2992	Black Hammock	Stream	3F	Seminole	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	10/40	4/7	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0532	2996	Sweetwater Creek	Stream	3F	Seminole	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	31/62	9/31	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.

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OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0533	2997A	Howell Creek above Lake Howell	Stream	3F	Seminole, Orange	Fecal Coliform	≤ 400 Counts / 100 mL	5	2	2	Delist (Not Impaired)	19/72	0/31	This waterbody is not impaired for this parameter based on the number of exceedances for the sample size. The exceedance rate meets the delisting requirements of Table 4 as described in 62-303.720, F.A.C. Escherichia coli is not impaired for this waterbody. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0534	2997R	Lake Adair	Lake	3F	Orange	Nutrients (Chlorophyll-a)	AGM ≤ 20 µg/L	5	4a	4a	Delist (TMDL Complete)	AGM 2008 (27 µg/L) 2009 (35 µg/L) 2010 (24 µg/L) 2011 (24 µg/L) 2012 (35 µg/L) 2013 (30 µg/L) 2014 (59 µg/L) 2015 (25 µg/L) 2016 (28 µg/L)	AGM 2012 (35 µg/L) 2013 (30 µg/L) 2014 (59 µg/L) 2015 (25 µg/L) 2016 (28 µg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0535	2997R	Lake Adair	Lake	3F	Orange	Nutrients (Total Nitrogen)	(LOAD) ≤ 1,201 lb/yr as a seven-year average of annual loads	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (1.09 mg/L) 2008 (1.18 mg/L) 2009 (1.49 mg/L) 2011 (1.34 mg/L) 2012 (1.05 mg/L) 2013 (1.11 mg/L) 2014 (0.85 mg/L) 2015 (0.76 mg/L) 2016 (0.87 mg/L)	AGM 2012 (1.05 mg/L) 2013 (1.11 mg/L) 2014 (0.85 mg/L) 2015 (0.76 mg/L) 2016 (0.87 mg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. The total nitrogen criterion is expressed as a load and is being placed in category 4a (TMDL Complete), until the information has been provided confirming the loading criteria have been achieved. This parameter exceeds the TMDL target concentration of 0.71 mg/L as an annual geometric mean never to be exceeded. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0536	2997R	Lake Adair	Lake	3F	Orange	Nutrients (Total Phosphorus)	(LOAD) ≤ 72 lb/yr as a seven-year average of annual loads	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (0.069 mg/L) 2008 (0.070 mg/L) 2009 (0.067 mg/L) 2010 (0.066 mg/L) 2011 (0.086 mg/L) 2012 (0.081 mg/L) 2013 (0.110 mg/L) 2014 (0.061 mg/L) 2015 (0.057 mg/L) 2016 (0.060 mg/L)	AGM 2012 (0.081 mg/L) 2013 (0.110 mg/L) 2014 (0.061 mg/L) 2015 (0.057 mg/L) 2016 (0.060 mg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. The total phosphorus criterion is expressed as a load and is being placed in category 4a (TMDL Complete), until the information has been provided confirming the loading criteria have been achieved. This parameter exceeds the TMDL target concentration of 0.044 mg/L as an annual geometric mean never to be exceeded. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0537	2997V	Lake Gem (Orange County)	Lake	3F	Orange	Nutrients (Chlorophyll-a)	AGM ≤ 20 µg/L	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (28 µg/L) 2008 (27 µg/L) 2010 (32 µg/L) 2012 (39 µg/L) 2013 (44 µg/L)	AGM 2012 (39 µg/L) 2013 (44 µg/L) 2019 (31 µg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.

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OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0538	2997V	Lake Gem (Orange County)	Lake	3F	Orange	Nutrients (Total Phosphorus)	(LOAD) ≤ 66 lbs/yr as 3-yr rolling average	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (0.05 mg/L) 2012 (0.06 mg/L) 2013 (0.06 mg/L)	AGM 2012 (0.06 mg/L) 2013 (0.06 mg/L) 2019 (0.05 mg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. The total phosphorus criterion is expressed as a load and is being placed in category 4a (TMDL Complete), until the information has been provided confirming the loading criteria have been achieved. This parameter exceeds the TMDL target concentration of 0.04 mg/L as an annual geometric mean more than once in a three year period. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0539	2998	Cranes Roost Outlet	Stream	3F	Seminole	Nutrients (Chlorophyll-a)	≤ 20 µg/L; > 3.2 to ≤ 20 µg/L is a site specific interpretation	5	3a	3a	Delist (Analysis Flaw)	No Data	No Data	This waterbody is being delisted for this parameter due to a flaw in the original analysis. The stations and data used to list this waterbody in a previous assessment were assigned incorrectly and have been since re-assigned appropriately to WBID 2998F. WBID 2998F is not impaired for nutrients chlorophyll-a. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0540	2999	Bear Creek	Stream	3F	Seminole	Dissolved Oxygen (Percent Saturation)	≥ 38 %	5	2	2	Delist (Not Impaired)	10/96	3/88	This waterbody is not impaired for this parameter based on the number of exceedances for the sample size. The exceedance rate meets the delisting requirements of Table 4 as described in 62-303.720, F.A.C. Samples used in this assessment were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0541	3000A	Lake Harriet	Lake	3F	Seminole	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	1/24	0/1	This waterbody has been reverted to a wetland and sampling by the department and Seminole county have ended. All stations will be unassigned because they are no longer representative of a lake waterbody type. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0542	3001	Little Econlockhatchee River	Stream	3F	Seminole, Orange	Copper	$Cu \leq e(0.8545[\ln H] - 1.702) \mu\text{g/L}$	5	2	2	Delist (Not Impaired)	20/240	7/219	This waterbody is not impaired for this parameter based on the number of exceedances for the sample size. The exceedance rate meets the delisting requirements of Table 4 as described in 62-303.720, F.A.C. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0543	3002E	Lake Prima Vista	Lake	3F	Orange	Biology	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.	5	4e	4e	Delist (Ongoing Restoration Activities)	LVI (n=2) Mean 1 (34), Mean 2 (26)	LVI (n=3) WBID Mean (35) Mean 1 (44), Mean 2 (34)	This waterbody is impaired for this parameter based on failing bioassessments; however, it is being placed in category 4e (Ongoing Restoration Activities) because an alternative restoration plan has been submitted to the department by the city of Ocoee to address the nutrient impairment in the Lake Prima Vista watershed. This parameter is being removed from the Verified List but will remain on the 303(d) List.

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OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0544	3002E	Lake Prima Vista	Lake	3F	Orange	Nutrients (Chlorophyll-a)	AGM ≤ 20 µg/L	5	4e	4e	Delist (Ongoing Restoration Activities)	AGM 2010 (6 µg/L) 2011 (18 µg/L) 2012 (27 µg/L) 2013 (25 µg/L) 2014 (22 µg/L) 2015 (22 µg/L) 2016 (28 µg/L)	AGM 2012 (27 µg/L) 2013 (35 µg/L) 2015 (29 µg/L) 2016 (40 µg/L) 2017 (42 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the nutrient criteria for a clear, alkaline lake more than once in a three year period; however, it is being placed in category 4e (Ongoing Restoration Activities) because an alternative restoration plan has been submitted to the department by the city of Ocoee to address the nutrient impairment in the Lake Prima Vista watershed. This parameter is being removed from the Verified List and will remain on the 303(d) List.
20-0545	3002E	Lake Prima Vista	Lake	3F	Orange	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	5	4e	4e	Delist (Ongoing Restoration Activities)	AGM 2007 (0.89 mg/L) 2008 (0.79 mg/L) 2009 (1.00 mg/L) 2010 (1.15 mg/L) 2011 (1.17 mg/L) 2012 (1.24 mg/L) 2013 (1.34 mg/L) 2014 (1.55 mg/L) 2015 (1.65 mg/L) 2016 (1.51 mg/L)	AGM 2012 (1.31 mg/L) 2013 (1.48 mg/L) 2015 (1.78 mg/L) 2016 (2.05 mg/L) 2017 (2.05 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the nutrient criteria for a clear, alkaline lake more than once in a three year period; however, it is being placed in category 4e (Ongoing Restoration Activities) because an alternative restoration plan has been submitted to the department by the city of Ocoee to address the nutrient impairment in the Lake Prima Vista watershed. This parameter is being removed from the Verified List and will remain on the 303(d) List.
20-0546	3002E	Lake Prima Vista	Lake	3F	Orange	Nutrients (Total Phosphorus)	Chl-a AGM ≤ 20 µg/L, TP AGM ≤ 0.09 mg/L; If Chl-a has insufficient or No Data to calculate AGM or if Chl-a AGM > 20 µg/L, TP AGM ≤ 0.03 mg/L	5	2	2	Delist (Not Impaired)	AGM 2007 (0.03 mg/L) 2008 (0.02 mg/L) 2009 (0.03 mg/L) 2010 (0.03 mg/L) 2011 (0.02 mg/L) 2012 (0.03 mg/L) 2013 (0.03 mg/L) 2014 (0.03 mg/L) 2015 (0.03 mg/L) 2016 (0.03 mg/L)	AGM 2012 (0.04 mg/L) 2013 (0.04 mg/L) 2015 (0.03 mg/L) 2016 (0.03 mg/L) 2017 (0.03 mg/L)	This waterbody is not impaired for this parameter because the annual geometric means did not exceed the nutrient criteria for a clear, alkaline lake more than once in a three year period. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0547	3002I	Lake Rose	Lake	3F	Orange	Nutrients (Chlorophyll-a)	AGM ≤ 20 µg/L	5	2	2	Delist (Not Impaired)	AGM 2007 (13 µg/L) 2008 (17 µg/L) 2009 (21 µg/L) 2010 (32 µg/L) 2011 (30 µg/L) 2014 (21 µg/L) 2015 (16 µg/L) 2016 (12 µg/L)	AGM 2014 (21 µg/L) 2015 (16 µg/L) 2016 (12 µg/L) 2017 (18 µg/L) 2018 (15 µg/L)	This waterbody is not impaired for this parameter because the annual geometric means did not exceed the nutrient criteria for a clear, alkaline lake more than once in a three year period. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0548	3002I	Lake Rose	Lake	3F	Orange	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	5	2	2	Delist (Not Impaired)	AGM 2007 (0.79 mg/L) 2008 (0.94 mg/L) 2009 (1.27 mg/L) 2010 (1.25 mg/L) 2011 (1.45 mg/L) 2014 (1.14 mg/L) 2015 (1.16 mg/L) 2016 (0.93 mg/L)	AGM 2014 (1.14 mg/L) 2015 (1.16 mg/L) 2016 (0.93 mg/L) 2017 (0.91 mg/L) 2018 (0.87 mg/L)	This waterbody is not impaired for this parameter because the annual geometric means did not exceed the nutrient criteria for a clear, alkaline lake more than once in a three year period. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0549	3002I	Lake Rose	Lake	3F	Orange	Nutrients (Total Phosphorus)	Chl-a AGM ≤ 20 µg/L, TP AGM ≤ 0.09 mg/L; If Chl-a has insufficient or No Data to calculate AGM or if Chl-a AGM > 20 µg/L, TP AGM ≤ 0.03 mg/L	5	2	2	Delist (Not Impaired)	AGM 2007 (0.02 mg/L) 2008 (0.02 mg/L) 2009 (0.04 mg/L) 2010 (0.02 mg/L) 2011 (0.03 mg/L) 2014 (0.02 mg/L) 2015 (0.02 mg/L) 2016 (0.02 mg/L)	AGM 2014 (0.02 mg/L) 2015 (0.02 mg/L) 2016 (0.02 mg/L) 2017 (0.04 mg/L)	This waterbody is not impaired for this parameter because the annual geometric means did not exceed the nutrient criteria for a clear, alkaline lake more than once in a three year period. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.

Middle St. Johns Group 2 Basin - Central District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0550	3004K	Lake Orlando	Lake	3F	Orange	Nutrients (Chlorophyll-a)	AGM ≤ 20 µg/L	5	4e	4e	Delist (Ongoing Restoration Activities)	AGM 2007 (31 µg/L) 2008 (23 µg/L) 2009 (27 µg/L) 2010 (25 µg/L) 2011 (16 µg/L) 2012 (32 µg/L) 2013 (20 µg/L) 2014 (30 µg/L) 2015 (21 µg/L) 2016 (20 µg/L)	AGM 2012 (32 µg/L) 2013 (20 µg/L) 2014 (30 µg/L) 2015 (21 µg/L) 2016 (20 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the nutrient criteria for a clear, alkaline lake more than once in a three year period; however, it is being placed in category 4e (Ongoing Restoration Activities) because an alternative restoration plan has been submitted to the department by the City of Orlando and Orange County to address the nutrient impairment in the Lake Orlando watershed. This parameter is being removed from the Verified List and will remain on the 303(d) List.
20-0551	3004K	Lake Orlando	Lake	3F	Orange	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	5	4e	4e	Delist (Ongoing Restoration Activities)	AGM 2007 (1.36 mg/L) 2008 (1.28 mg/L) 2009 (1.40 mg/L) 2010 (1.43 mg/L) 2011 (1.30 mg/L) 2012 (1.45 mg/L) 2013 (1.25 mg/L) 2014 (1.35 mg/L) 2015 (1.09 mg/L) 2016 (0.97 mg/L)	AGM 2012 (1.45 mg/L) 2013 (1.25 mg/L) 2014 (1.35 mg/L) 2015 (1.09 mg/L) 2016 (0.97 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the nutrient criteria for a clear, alkaline lake more than once in a three year period; however, it is being placed in category 4e (Ongoing Restoration Activities) because an alternative restoration plan has been submitted to the department by the City of Orlando and Orange County to address the nutrient impairment in the Lake Orlando watershed. This parameter is being removed from the Verified List and will remain on the 303(d) List.
20-0552	3004K	Lake Orlando	Lake	3F	Orange	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	5	4e	4e	Delist (Ongoing Restoration Activities)	AGM 2007 (0.07 mg/L) 2008 (0.05 mg/L) 2009 (0.05 mg/L) 2010 (0.04 mg/L) 2011 (0.05 mg/L) 2012 (0.07 mg/L) 2013 (0.06 mg/L) 2014 (0.07 mg/L) 2015 (0.05 mg/L) 2016 (0.05 mg/L)	AGM 2012 (0.07 mg/L) 2013 (0.06 mg/L) 2014 (0.07 mg/L) 2015 (0.05 mg/L) 2016 (0.05 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the nutrient criteria for a clear, alkaline lake more than once in a three year period; however, it is being placed in category 4e (Ongoing Restoration Activities) because an alternative restoration plan has been submitted to the department by the City of Orlando and Orange County to address the nutrient impairment in the Lake Orlando watershed. This parameter is being removed from the Verified List and will remain on the 303(d) List.
20-0553	3009	Bear Gully Lake	Lake	3F	Seminole	Nutrients (Chlorophyll-a)	AGM ≤ 20 µg/L	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (24 µg/L) 2010 (27 µg/L) 2011 (20 µg/L) 2012 (27 µg/L) 2014 (14 µg/L) 2015 (24 µg/L) 2016 (22 µg/L)	AGM 2012 (27 µg/L) 2014 (14 µg/L) 2015 (21 µg/L) 2016 (22 µg/L) 2017 (18 µg/L)	This waterbody is impaired for this parameter and is being placed in category 4a because there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0554	3009F	Lake Florence	Lake	3F	Seminole	Nutrients (Chlorophyll-a)	AGM ≤ 6 µg/L	5	2	2	Delist (Not Impaired)	AGM 2010 (8 µg/L) 2011 (7 µg/L) 2012 (3 µg/L) 2014 (1 µg/L) 2015 (4 µg/L)	AGM 2012 (3 µg/L) 2014 (1 µg/L) 2015 (4 µg/L) 2017 (3 µg/L)	This waterbody is not impaired for this parameter because the annual geometric means did not exceed the nutrient criteria for a clear, acidic lake more than once in a three year period. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.

Middle St. Johns Group 2 Basin - Central District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0555	3037	Avalon Branch	Stream	3F	Orange	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	38/88	17/51	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.

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 2004 and included data from that assessment period (January 1, 1991 through June 30, 2003).

The Cycle 2 assessment was completed in 2009 and included data from the assessment period (January 1, 1996 through June 30, 2008).

The Cycle 3 assessment was completed in 2016 and included data from that assessment period (January 1, 2002 through June 30, 2014).

³ The Cycle 4 assessment is the current assessment and includes data from that Planning Period (January 1, 2007 through December 31, 2016) and the Verified Period (January 1, 2012 through June 30, 2019).

[†] 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.
- 2t - Attains one or more designated uses and a TMDL has already been completed.
- 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.
- 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 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.

A statewide TMDL for mercury was adopted in 2012.

[^] 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 2018 Beach Advisories.

Fish advisory data are provided by the Florida Department of Health 2019 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.); COAA - Coastal Nutrient Region Atlantic; COAG - Coastal Nutrient Region Gulf;

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 2 Middle St. Johns Final Delist List is based on IWR Run 58 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 2/17/2016.

St. Lucie - Loxahatchee Group 2 Basin - Southeast District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0556	3166	Moore Creek	Estuary	3M	St. Lucie	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	23/48	9/19	This waterbody was previously listed as impaired on the Verified List for this parameter and there is a DEP Adopted Fecal Coliform TMDL. However, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Enterococci is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0557	3166	Moore Creek	Estuary	3M	St. Lucie	Nutrients (Chlorophyll-a)	AGM ≤ 11 µg/L	5	3b	3b	Delist (Insufficient Data)	AGM 2007 (2 µg/L) 2008 (3 µg/L) 2009 (10 µg/L) 2010 (12 µg/L) 2011 (11 µg/L) 2012 (7 µg/L)	AGM 2012 (7 µg/L) 2017 (3 µg/L) 2018 (5 µg/L) 2019 (5 µg/L)	This waterbody is not impaired for this parameter because the annual geometric means did not exceed the nutrient threshold in a three year period. The assessment category is 3b (Insufficient Data) because biological or site-specific data are needed to determine whether or not the waterbody fully attains the designated use. Data outside the verified period was used in 2019 to calculate the AGM from station 21FLWPB G2SE0016 that were collected on 9/25/2019 and 10/22/2019. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0558	3194A	Tenmile Creek	Stream	3F	St. Lucie	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.	5	3c	4e	Delist (Ongoing Restoration Activities)	SCI (n=5) Mean 1 (40), Mean 2 (22)	No Data	This waterbody is impaired for this parameter based on the previous assessment. However, it is being placed in category 4e (Ongoing Restoration Activities) because there are ongoing restoration activities to address the nutrient impairment documented in the Ten Mile Creek Pollutant Reduction Plan. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0559	3194A	Tenmile Creek	Stream	3F	St. Lucie	Dissolved Oxygen (Percent Saturation)	≥ 38 %	5	4e	4e	Delist (Ongoing Restoration Activities)	137/349	123/341	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. However, it is being placed in category 4e (Ongoing Restoration Activities) because there are ongoing restoration activities to address the dissolved oxygen impairment documented in the Ten Mile Creek Pollutant Reduction Plan. Samples used in this assessment were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0560	3194A	Tenmile Creek	Stream	3F	St. Lucie	Dissolved Oxygen (Percent Saturation)	≥ 38 %	5	4e	4e	Delist (Ongoing Restoration Activities)	137/349	123/341	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. However, it is being placed in category 4e (Ongoing Restoration Activities) because there are ongoing restoration activities to address the dissolved oxygen impairment documented in the Ten Mile Creek Pollutant Reduction Plan. Samples used in this assessment were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being removed from the Verified List but will remain on the 303(d) List.

St. Lucie - Loxahatchee Group 2 Basin - Southeast District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0561	3194A	Tenmile Creek	Stream	3F	St. Lucie	Nutrients (Total Phosphorus)	AGM ≤ 0.12 mg/L	5	4e	4e	Delist (Ongoing Restoration Activities)	AGM 2007 (0.25 mg/L) 2008 (0.22 mg/L) 2009 (0.17 mg/L) 2010 (0.14 mg/L) 2011 (0.19 mg/L) 2012 (0.22 mg/L) 2013 (0.17 mg/L) 2014 (0.17 mg/L) 2015 (0.16 mg/L) 2016 (0.21 mg/L) 2017 (0.19 mg/L) 2018 (0.13 mg/L)	AGM 2012 (0.22 mg/L) 2013 (0.17 mg/L) 2014 (0.17 mg/L) 2015 (0.16 mg/L) 2016 (0.21 mg/L) 2017 (0.19 mg/L) 2018 (0.13 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criteria more than once in a three year period. However, this waterbody is being placed in category 4e and is being added to the Study List because there are ongoing restoration activities to address the nutrient impairment documented in the Ten Mile Creek Pollutant Reduction Plan in this area. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0562	3197	C-24	Stream	3F	St. Lucie, Okeechobee	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	1/20	No Data	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is not impaired for this waterbody. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0563	3224	Loxahatchee River (Jonathan Dickinson State Park)	Estuary	2	Martin, Palm Beach	Fecal Coliform	≤ 43 MPN/100 mL	5	4e	4e	Delist (Ongoing Restoration Activities)	461/497	355/377	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. However, it is being placed in category 4e (Ongoing Restoration Activities) because there are ongoing restoration activities to address the bacteria impairment documented in the Loxahatchee River Pollutant Reduction Plan. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0564	3224	Loxahatchee River (Jonathan Dickinson State Park)	Estuary	2	Martin, Palm Beach	Fecal Coliform (3)	≤ 14 MPN/100 mL	5	4e	4e	Delist (Ongoing Restoration Activities)	Planning List	Impaired	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. However, it is being placed in category 4e (Ongoing Restoration Activities) because there are ongoing restoration activities to address the bacteria impairment documented in the Loxahatchee River Pollutant Reduction Plan. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0565	3224A	Loxahatchee River (North Fork Upper)	Stream	3F	Martin	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	1/50	1/41	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is not impaired for this waterbody. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0566	3224A1	Loxahatchee River (North Fork Lower)	Estuary	2	Martin	Fecal Coliform	≤ 43 MPN/100 mL	5	4e	4e	Delist (Ongoing Restoration Activities)	57/60	49/58	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. However, it is being placed in category 4e (Ongoing Restoration Activities) because there are ongoing restoration activities to address the bacteria impairment documented in the Loxahatchee River Pollutant Reduction Plan. This parameter is being removed from the Verified List but will remain on the 303(d) List.

St. Lucie - Loxahatchee Group 2 Basin - Southeast District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0567	3224A1	Loxahatchee River (North Fork Lower)	Estuary	2	Martin	Fecal Coliform (3)	≤ 14 MPN/100 mL	5	4e	4e	Delist (Ongoing Restoration Activities)	Planning List	Impaired	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. However, it is being placed in category 4e (Ongoing Restoration Activities) because there are ongoing restoration activities to address the bacteria impairment documented in the Loxahatchee River Pollutant Reduction Plan. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0568	3226A	Loxahatchee River (Northwest Fork)	Estuary	2	Palm Beach	Fecal Coliform	≤ 43 MPN/100 mL	5	4e	4e	Delist (Ongoing Restoration Activities)	75/199	50/129	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. However, it is being placed in category 4e (Ongoing Restoration Activities) because there are ongoing restoration activities to address the bacteria impairment documented in the Loxahatchee River Pollutant Reduction Plan. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0569	3226A	Loxahatchee River (Northwest Fork)	Estuary	2	Palm Beach	Fecal Coliform (3)	≤ 14 MPN/100 mL	5	4e	4e	Delist (Ongoing Restoration Activities)	Planning List	Impaired	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. However, it is being placed in category 4e (Ongoing Restoration Activities) because there are ongoing restoration activities to address the bacteria impairment documented in the Loxahatchee River Pollutant Reduction Plan. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0570	3226A	Loxahatchee River (Northwest Fork)	Estuary	2	Palm Beach	Nutrients (Chlorophyll-a)	ENRQ2: AGM ≤ 4 µg/L	5	4e	4e	Delist (Ongoing Restoration Activities)	ENRQ2 (AGM) 2007 (2.7 µg/L) 2008 (3.4 µg/L) 2009 (4.9 µg/L) 2010 (6.0 µg/L) 2011 (5.1 µg/L) 2012 (4.2 µg/L) 2013 (6.8 µg/L) 2014 (5.4 µg/L) 2015 (5.5 µg/L) 2016 (4.1 µg/L)	ENRQ2 (AGM) 2012 (4.2 µg/L) 2013 (6.8 µg/L) 2014 (5.4 µg/L) 2015 (5.5 µg/L) 2016 (4.1 µg/L) 2017 (3.6 µg/L) 2018 (4.8 µg/L) 2019 (5.0 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criteria more than once in a three year period. However, it is being placed in category 4e (Ongoing Restoration Activities) because there are ongoing restoration activities to address the nutrient impairment documented in the Loxahatchee River Pollutant Reduction Plan. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0571	3226C	Loxahatchee River (Southwest Fork)	Estuary	2	Palm Beach	Nutrients (Chlorophyll-a)	ENRQ4: AGM ≤ 5.5 µg/L	5	4e	4e	Delist (Ongoing Restoration Activities)	AGM (11 µg/L) 2008 (8 µg/L) 2009 (12 µg/L) 2010 (18 µg/L) 2011 (8 µg/L) 2012 (10 µg/L) 2013 (10 µg/L) 2014 (12 µg/L) 2015 (15 µg/L) 2016 (13 µg/L) 2017 (10 µg/L) 2018 (15 µg/L) 2019 (5 µg/L) ENRQ4 (AGM) 2007 (8.0 µg/L) 2008 (12.2 µg/L) 2009 (8.7 µg/L) 2010 (12.9 µg/L) 2011 (8.0 µg/L) 2012 (9.0 µg/L) 2013 (8.8 µg/L) 2014 (9.4 µg/L) 2015 (9.3 µg/L) 2016 (10.6 µg/L)	AGM (11 µg/L) 2012 (10 µg/L) 2013 (10 µg/L) 2014 (12 µg/L) 2015 (15 µg/L) 2016 (13 µg/L) 2017 (10 µg/L) 2018 (15 µg/L) 2019 (5 µg/L) ENRQ4 (AGM) 2012 (9.6 µg/L) 2013 (9.2 µg/L) 2014 (9.1 µg/L) 2015 (8.9 µg/L) 2016 (11.1 µg/L) 2017 (6.1 µg/L) 2018 (6.7 µg/L) 2019 (8.5 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criteria more than once in a three year period. However, it is being placed in category 4e (Ongoing Restoration Activities) because there are ongoing restoration activities to address the nutrient impairment documented in the Loxahatchee River Pollutant Reduction Plan. This parameter is being removed from the Verified List but will remain on the 303(d) List.

St. Lucie - Loxahatchee Group 2 Basin - Southeast District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0572	3226D	North Fork Loxahatchee River (Marine Segment)	Estuary	2	Martin, Palm Beach	Fecal Coliform	≤ 43 MPN/100 mL	5	4e	4e	Delist (Ongoing Restoration Activities)	32/209	25/143	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. However, it is being placed in category 4e (Ongoing Restoration Activities) because there are ongoing restoration activities to address the bacteria impairment documented in the Loxahatchee River Pollutant Reduction Plan. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0573	3230	Loxahatchee River Above Cypress Creek	Stream	3F	Palm Beach	Nutrients (Algal Mats)	RPS ≤ 25%, or when between 20% - 25% Evaluation of Algal Autoecological Data Indicates No Imbalance	5	4e	4e	Delist (Ongoing Restoration Activities)	05/08/2008: 0% 05/15/2008: 0% 05/22/2008: 0% 09/29/2008: 0% 09/30/2008: 0% 09/30/2008: 0% 04/20/2010: 63% 04/06/2011: 58% 04/20/2011: 5% 10/27/2016: 0%	10/27/2016: 0%	This waterbody is impaired for this parameter based on rapid periphyton survey results. However, it is being placed in category 4e (Ongoing Restoration Activities) because there are ongoing restoration activities to address the nutrient impairment documented in the Loxahatchee River Pollutant Reduction Plan. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0574	3232A	Tidal Creek to Loxahatchee River	Estuary	3M	Palm Beach	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	7/14	1/1	This waterbody was previously listed as impaired on the Verified List for this parameter and there is a DEP Adopted Fecal Coliform TMDL. However, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Enterococci is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.

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 2004 and included data from that assessment period (January 1, 1991 through June 30, 2003).

The Cycle 2 assessment was completed in 2009 and included data from the assessment period (January 1, 1996 through June 30, 2008).

The Cycle 3 assessment was completed in 2016 and included data from that assessment period (January 1, 2002 through June 30, 2014).

³ The Cycle 4 assessment is the current assessment and includes data from that Planning Period (January 1, 2007 through December 31, 2016) and the Verified Period (January 1, 2012 through June 30, 2019).

[†] 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.
- 2t - Attains one or more designated uses and a TMDL has already been completed.
- 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.
- 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 Where data are presented as x/y, x represents the number of exceedances and y represents the total number of samples.

St. Lucie - Loxahatchee Group 2 Basin - Southeast District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
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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.

A statewide TMDL for mercury was adopted in 2012.

[^] 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 2018 Beach Advisories.

Fish advisory data are provided by the Florida Department of Health 2019 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.); COAA - Coastal Nutrient Region Atlantic; COAG - Coastal Nutrient Region Gulf; 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 2 St. Lucie - Loxahatchee Final Delist List is based on IWR Run 58 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 2/17/2016.

Tampa Bay Tributaries Group 2 Basin - Southwest District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0575	1402	Cypress Creek	Stream	3F	Hillsborough, Pasco	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	12/131	6/95	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is not impaired for this waterbody. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0576	1440E	Cypress Creek (North)	Stream	3F	Pasco	Dissolved Oxygen (Percent Saturation)	≥ 38 %	5	4d	4d	Delist (Study List)	45/64	19/28	This waterbody is impaired for this parameter based on the number of exceedances for the sample size, but is being placed in category 4d per 62-303.720(2)(o), F.A.C. Nutrients were identified as the causative pollutant in the previous assessment, but are not impaired based on data in the current verified period. Samples used in this assessment were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0577	1442	New River	Stream	3F	Hillsborough, Pasco	Dissolved Oxygen (Percent Saturation)	≥ 38 %	5	4d	4d	Delist (Study List)	3/26	7/37	This waterbody is impaired for this parameter based on the number of exceedances for the sample size, but is being placed in category 4d per 62-303.720(2)(o), F.A.C. Nutrients were identified as the causative pollutant in the previous assessment, but is / are not impaired based on data in the current verified period. Samples used in this assessment were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being removed from the Verified List but will remain on the 303(d) List.
20-0578	1443H	Hillsborough Reservoir	Lake	1	Hillsborough	Nutrients (Total Phosphorus)	Chl-a AGM ≤ 20 µg/L, TP AGM ≤ 0.49 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	5	2	2	Delist (Not Impaired)	AGM 2007 (0.09 mg/L) 2008 (0.09 mg/L) 2009 (0.09 mg/L) 2010 (0.13 mg/L) 2011 (0.13 mg/L) 2012 (0.09 mg/L) 2013 (0.11 mg/L) 2016 (0.24 mg/L)	AGM 2016 (0.24 mg/L) 2017 (0.10 mg/L) 2018 (0.15 mg/L)	This waterbody is not impaired for this parameter. The annual geometric means did not exceed the nutrient criteria for a high color; clear lake more than once in a three year period. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List. Lakewatch data was excluded from the verified period during this assessment.
20-0579	1451D	Lake Padgett	Lake	3F	Pasco	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	5	3c	3c	Delist (Analysis Flaw)	AGM 2008 (0.76 mg/L) 2009 (0.77 mg/L) 2010 (0.85 mg/L) 2011 (0.88 mg/L) 2012 (0.92 mg/L) 2013 (0.94 mg/L) 2014 (0.70 mg/L) 2015 (0.66 mg/L) 2016 (0.60 mg/L)	AGM Insufficient Data	This parameter is being delisted from the Verified List based on a flaw in the original analysis. The annual geometric means used to place this waterbody on the Verified List in the previous cycle were based on LakeWatch data which does not meet the Department's Quality Assurance requirements. This waterbody has insufficient data available to assess for this parameter and is being placed in Category 3c for further investigation. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.

Tampa Bay Tributaries Group 2 Basin - Southwest District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0580	1451D	Lake Padgett	Lake	3F	Pasco	Nutrients (Total Phosphorus)	Chl-a AGM ≤ 20 µg/L, TP AGM ≤ 0.09 mg/L; If Chl-a has insufficient or No Data to calculate AGM or if Chl-a AGM > 20 µg/L, TP AGM ≤ 0.03 mg/L	5	3c	3c	Delist (Analysis Flaw)	AGM 2008 (0.02 mg/L) 2009 (0.02 mg/L) 2010 (0.02 mg/L) 2011 (0.02 mg/L) 2012 (0.02 mg/L) 2013 (0.02 mg/L) 2014 (0.02 mg/L) 2015 (0.02 mg/L) 2016 (0.02 mg/L)	AGM Insufficient Data	This parameter is being delisted from the Verified List based on a flaw in the original analysis. The annual geometric means used to place this waterbody on the Verified List in the previous cycle were based on LakeWatch data which does not meet the Department's Quality Assurance requirements. This waterbody has insufficient data available to assess for this parameter and is being placed in Category 3c for further investigation. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0581	1522A	Flint Creek	Stream	3F	Hillsborough	Dissolved Oxygen (Percent Saturation)	≥ 38 %	5	4d	4d	Delist (Study List)	97/132	86/133	This waterbody is impaired for this parameter based on the number of exceedances for the sample size but will remain in category 4d because a causative pollutant has not been identified. Samples used in this assessment were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter and Biochemical Oxygen Demand be removed from the verified list and will remain on the 303(d) List.
20-0582	1522A	Flint Creek	Stream	3F	Hillsborough	Nutrients (Chlorophyll-a)	AGM ≤ 18 µg/L	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (69 µg/L) 2008 (81 µg/L) 2009 (51 µg/L) 2010 (62 µg/L) 2011 (94 µg/L) 2012 (64 µg/L) 2013 (71 µg/L) 2014 (70 µg/L) 2015 (37 µg/L) 2016 (55 µg/L)	AGM 2012 (64 µg/L) 2013 (71 µg/L) 2014 (70 µg/L) 2015 (37 µg/L) 2016 (55 µg/L) 2017 (59 µg/L) 2018 (53 µg/L) 2019 (68 µg/L)	This waterbody exceeds the numeric interpretation of the narrative nutrient criteria for this parameter, and there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL and this parameter exceeds the chlorophyll-a TMDL target of 18 µg/L as an annual geometric mean more than once in a three year period. Therefore, it will be placed in category 4a (TMDL Complete). This parameter will be removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0583	1522B	Lake Thonotosassa	Lake	3F	Hillsborough	Nutrients (Chlorophyll-a)	AGM ≤ 32 µg/L	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (130 µg/L) 2008 (144 µg/L) 2009 (124 µg/L) 2010 (111 µg/L) 2011 (162 µg/L) 2012 (115 µg/L) 2013 (124 µg/L) 2014 (103 µg/L) 2015 (78 µg/L) 2016 (97 µg/L)	AGM 2012 (135 µg/L) 2013 (151 µg/L) 2014 (135 µg/L) 2015 (112 µg/L) 2016 (120 µg/L) 2017 (125 µg/L) 2018 (133 µg/L)	This waterbody does not exceed the numeric interpretation of the narrative nutrient criteria for this parameter, but there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL and this parameter exceeds the chlorophyll-a TMDL target of 32 µg/L as an annual geometric mean never to be exceeded. Therefore, it is being placed in category 4a (TMDL Complete). This parameter will be removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0584	1522B	Lake Thonotosassa	Lake	3F	Hillsborough	Nutrients (Total Nitrogen)	(LOAD) TN ≤ 46,962 lbs/yr	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (2.78 mg/L) 2008 (2.35 mg/L) 2009 (1.91 mg/L) 2010 (2.24 mg/L) 2011 (3.12 mg/L) 2012 (2.74 mg/L) 2013 (2.46 mg/L) 2014 (1.97 mg/L) 2015 (1.61 mg/L) 2016 (2.14 mg/L)	AGM 2012 (2.58 mg/L) 2013 (1.87 mg/L) 2014 (1.57 mg/L) 2015 (1.28 mg/L) 2016 (1.93 mg/L) 2017 (1.64 mg/L) 2018 (0.66 mg/L)	This waterbody does not exceed the numeric interpretation of the narrative nutrient criteria for this parameter, but there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL with a total nitrogen criterion expressed as a load. It is being placed in category 4a (TMDL Complete), until the information has been provided confirming the loading criteria have been achieved. This parameter exceeds the TMDL target concentration of 1.64 mg/L as an annual geometric mean never to be exceeded more than once in a three year period. This parameter will be removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.

Tampa Bay Tributaries Group 2 Basin - Southwest District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0585	1522B	Lake Thonotosassa	Lake	3F	Hillsborough	Nutrients (Total Phosphorus)	(LOAD) TP ≤ 3,137 lbs/yr	5	4a	4a	Delist (TMDL Complete)	AGM 2007 (0.25 mg/L) 2008 (0.19 mg/L) 2009 (0.17 mg/L) 2010 (0.27 mg/L) 2011 (0.25 mg/L) 2012 (0.27 mg/L) 2013 (0.29 mg/L) 2014 (0.23 mg/L) 2015 (0.32 mg/L) 2016 (0.44 mg/L)	AGM 2012 (0.29 mg/L) 2013 (0.27 mg/L) 2014 (0.20 mg/L) 2015 (0.30 mg/L) 2016 (0.44 mg/L) 2017 (0.43 mg/L) 2018 (0.32 mg/L)	This waterbody does not exceed the numeric interpretation of the narrative nutrient criteria for this parameter, but there is a site-specific (Hierarchy 1) DEP Adopted nutrient TMDL with a total phosphorus criterion expressed as a load. It is being placed in category 4a (TMDL Complete), until the information has been provided confirming the loading criteria have been achieved. This parameter exceeds the TMDL target concentration of 0.08 mg/L as an annual geometric mean never to be exceeded more than once in a three year period. This parameter will be removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0586	1522B	Lake Thonotosassa	Lake	3F	Hillsborough	Un-ionized Ammonia	≤ 0.02 mg/L as NH3	5	NA	NA	Delist (Not Applicable)	55/87	0/6	This waterbody was previously listed as impaired on the Verified List for this parameter; however, un-ionized ammonia is no longer assessed to determine impairment. Total Ammonia is not impaired for this waterbody. There is a DEP Adopted Nutrient TMDL for this waterbody. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0587	1522E	Baker Creek East	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	67/147	32/81	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0588	1533	Campbell Branch	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	29/35	14/18	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0589	1542	Pemberton Creek	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	27/54	19/42	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.

Tampa Bay Tributaries Group 2 Basin - Southwest District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0590	1543A	Lake Hunter Outlet	Stream	3F	Polk	Dissolved Oxygen (Percent Saturation)	≥ 38 %	5	4d	4d	Delist (Study List)	2/12	2/12	This waterbody is not impaired for this parameter but does not meet delisting requirements of Table 4 described in 62-303.720, F.A.C. It is being placed in category 4d (Study List) because the causative pollutant identified in the previous assessment was incorrect. Nutrients are not impaired based on data in the current verified period. This parameter is being delisted from the Verified List, but will remain on the 303(d) list. Dissolved oxygen grab samples used in this analysis were assessed against a time of day adjustment as described in 62-303.420(9), F.A.C.
20-0591	1547	Seffner Canal	Stream	3F	Hillsborough	Dissolved Oxygen (Percent Saturation)	≥ 38 %	5	4d	4d	Delist (Study List)	92/151	62/113	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. However the department has information that this waterbody is an intermittent stream and more data is needed to verify the impairment. This parameter will be removed from the Verified List and will remain on the 303(d) List.
20-0592	1547	Seffner Canal	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	40/152	21/76	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0593	1568	Howell Branch	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	21/30	12/19	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0594	1592	Little Alafia River below Medard Reservoir	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	25/53	9/27	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.

Tampa Bay Tributaries Group 2 Basin - Southwest District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0595	1592B	Little Alafia River above Medard Reservoir	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	34/37	19/21	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0596	1621A	Alafia River above Hillsborough Bay	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	18/122	12/62	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is not impaired for this waterbody. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0597	1621B	Alafia River above Fishhawk Creek	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	39/238	18/120	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is not impaired for this waterbody. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0598	1621F	Lithia Springs	Spring	3F	Hillsborough	Dissolved Oxygen (Percent Saturation)	≥ 38 %	5	4c	4c	Delist (Natural Condition)	45/70	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 based on the Technical Support Document for the Derivation of Dissolved Oxygen criteria referenced in Rule 62-302. Samples used in this assessment were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0599	1635B	Buckhorn Creek	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	44/49	16/18	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.

Tampa Bay Tributaries Group 2 Basin - Southwest District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0600	1642	Sloman Branch	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	28/30	11/12	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0601	1651	McDonald Branch	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	7/30	1/13	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0602	1657	Little Fishhawk Creek	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	29/38	14/20	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0603	1658	Fishhawk Creek	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	25/122	14/60	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is not impaired for this waterbody. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0604	1659	Rice Creek	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	35/37	18/18	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.

Tampa Bay Tributaries Group 2 Basin - Southwest District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0605	1660	Bell Creek	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	25/70	14/32	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0606	1665A	Mizelle Creek	Stream	3F	Hillsborough, Polk	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	24/30	11/12	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0607	1667	Moccasin Creek	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	19/25	10/14	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0608	1674	Pelleham Branch	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	20/38	10/19	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0609	1675	Owens Branch	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	37/50	11/15	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.

Tampa Bay Tributaries Group 2 Basin - Southwest District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0610	1684	Halls Branch	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	33/39	15/20	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0611	1724	Carlton Branch	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	24/39	8/20	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0612	1732	Pierce Branch	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	26/38	14/20	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0613	1742A1	Little Manatee River	Stream	3F	Hillsborough, Manatee	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	70/237	32/118	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0614	1742B	Little Manatee River (North Fork)	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	86/270	45/138	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.

Tampa Bay Tributaries Group 2 Basin - Southwest District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0615	1749	Dug Creek	Stream	3F	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	35/38	17/19	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0616	1771	Heritage Park Creek	Estuary	3M	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	26/37	13/19	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Enterococci is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0617	1780	Wildcat Creek	Estuary	3M	Hillsborough	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	22/33	11/17	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Enterococci is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0618	1782	Carlton Branch (South Segment)	Stream	3F	Hillsborough, Manatee	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	32/34	17/18	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0619	1807E	Lake Manatee Reservoir Drain	Stream	1	Manatee	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	57/225	19/122	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is not impaired for this waterbody. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.

Tampa Bay Tributaries Group 2 Basin - Southwest District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0620	1848D1	Wares Creek (Estuarine Segment)	Estuary	3M	Manatee	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	22/30	16/24	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Enterococci is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0621	1848D2	Wares Creek (Freshwater Segment)	Stream	3F	Manatee	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	20/37	13/22	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0622	1872A	Mill Creek (Estuarine Segment)	Estuary	3M	Manatee	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	17/54	10/13	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Enterococci is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0623	1872A	Mill Creek (Estuarine Segment)	Estuary	3M	Manatee	Nutrients (Chlorophyll-a)	AGM ≤ 11 µg/L	5	3b	3b	Delist (Insufficient Data)	AGM 2007 (12 µg/L) 2008 (13 µg/L) 2009 (16 µg/L) 2010 (10 µg/L) 2011 (11 µg/L) 2016 (8 µg/L)	AGM 2016 (8 µg/L) 2017 (16 µg/L) 2018 (11 µg/L)	This waterbody is not impaired for this parameter because the annual geometric means did not exceed the nutrient threshold in a three year period. The assessment category is 3b (Insufficient Data) because biological or site-specific data are needed to determine whether or not the waterbody fully attains the designated use. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.
20-0624	1876	Bradén River below Ward Lake	Estuary	3M	Manatee	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	6/66	2/13	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Enterococci is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.

Tampa Bay Tributaries Group 2 Basin - Southwest District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
20-0625	1899	Gap Creek	Stream	3F	Manatee	Fecal Coliform	≤ 400 Counts / 100 mL	5	NA	NA	Delist (Not Applicable)	14/25	14/25	This waterbody was previously listed as impaired on the Verified List for this parameter; however, fecal coliform bacteria is no longer assessed to determine impairment for this waterbody classification per 62-302.530, F.A.C. Escherichia coli is impaired for this waterbody and is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List per 62-303.720(2)(L), F.A.C.
20-0626	1901	Williams Creek	Stream	3F	Manatee	Dissolved Oxygen (Percent Saturation)	≥ 38 %	5	2	2	Delist (Not Impaired)	15/120	4/80	This waterbody is not impaired for this parameter based on the number of exceedances for the sample size. The exceedance rate meets the delisting requirements of Table 4 as described in 62-303.720, F.A.C. Dissolved oxygen measurements taken within tidal areas are assessed using associated specific conductivity data (4,580 µmhos/cm, or 1,500 mg/L chloride, or 2.7 PSU salinity) for the determination of applicable freshwater or marine criteria as described in 62-303.320(11), F.A.C. Samples used in this assessment when the freshwater criteria apply were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being removed from the Verified List and the department is requesting EPA remove it from the 303(d) List.

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 2004 and included data from that assessment period (January 1, 1991 through June 30, 2003).

The Cycle 2 assessment was completed in 2009 and included data from the assessment period (January 1, 1996 through June 30, 2008).

The Cycle 3 assessment was completed in 2016 and included data from that assessment period (January 1, 2002 through June 30, 2014).

³ The Cycle 4 assessment is the current assessment and includes data from that Planning Period (January 1, 2007 through December 31, 2016) and the Verified Period (January 1, 2012 through June 30, 2019).

[†] 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.
- 2t - Attains one or more designated uses and a TMDL has already been completed.
- 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.
- 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 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.

Tampa Bay Tributaries Group 2 Basin - Southwest District - Cycle 4 FINAL Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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	Planning Period Assessment Data ⁴	Verified Period Assessment Data ⁴	Comments
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A statewide TMDL for mercury was adopted in 2012.

[^] 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 2018 Beach Advisories.

Fish advisory data are provided by the Florida Department of Health 2019 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.); COAA - Coastal Nutrient Region Atlantic; COAG - Coastal Nutrient Region Gulf;

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 2 Tampa Bay Tributaries Final Delist List is based on IWR Run 58 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 2/17/2016.

EXHIBIT 3

GROUP 2 – CYCLE 4 LIST OF WATERS COVERED BY THE STATEWIDE
MERCURY TMDL

GROUP 2 - CYCLE 4 LIST OF WATERS COVERED BY THE STATEWIDE MERCURY TMDL

Group Name	Planning Unit	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	Criterion Concentration or Threshold Not Met	† Previous Cycle Summary Assessment Category ²	† Cycle 4 Assessment Category ³	† Integrated Report Category Summary Assessment	Integrated Assessment Status	Verified Period Assessment Data	Reason for Mercury TMDL Inclusion
Apalachicola - Chipola	Chipola River	1021A	Crooked Creek	Stream	3F	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	NA	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency
Apalachicola - Chipola	Apalachicola River	1022	Big Gully Creek	Stream	3F	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	NA	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency
Apalachicola - Chipola	Apalachicola River	1109	Florida River	Stream	3F	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	NA	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency
Apalachicola - Chipola	Apalachicola River	344	Ocheesee Pond	Lake	3F	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	3c	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency
Charlotte Harbor	Charlotte Harbor Proper	2074A	Alligator Lake	Lake	3F	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	3c	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency
Lower St. Johns	Julington Creek	2351	Julington Creek	Stream	3F	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	NA	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency
Lower St. Johns	Julington Creek	2419	Sampson Creek	Stream	3F	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	NA	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency
Lower St. Johns	Etonia Creek	2509	Lake Geneva	Lake	3F	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	NA	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency
Lower St. Johns	Etonia Creek	2543B	Etonia Creek	Stream	3F	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	NA	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency
Lower St. Johns	Crescent Lake	2661A	Caraway Lake	Lake	3F	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	NA	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency
Middle St. Johns	Wekiva River	2949	Lake Dalhousie	Lake	3F	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	NA	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency
Middle St. Johns	Econlockhatchee River	3003	Lake Pickett	Lake	3F	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	NA	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency
Middle St. Johns	Lake Monroe	2938H	Lake Macy	Lake	3F	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	NA	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency
Middle St. Johns	Wekiva River	2956F	Lake Brantley	Lake	3F	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	NA	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency
Tampa Bay Tributaries	Hillsborough River	1402C	Burrell Lake	Lake	3F	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	NA	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency
Tampa Bay Tributaries	Manatee River	1807C	Manatee River	Stream	1	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	NA	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency
St. Lucie - Loxahatchee	Lemon Bay	1983A2	Red Lakes Estuary	Estuary	3M	Mercury (in fish tissue)	Exceeds DoH Threshold (> 0.3 ppm)	NA	4a	4a	TMDL Complete	Assessment based on DOH Fish Tissue Studies	Meets data sufficiency

¹ Florida's waterbody classifications are defined as:

GROUP 2 - CYCLE 4 LIST OF WATERS COVERED BY THE STATEWIDE MERCURY TMDL

Group Name	Planning Unit	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	Criterion Concentration or Threshold Not Met	† Previous Cycle Summary Assessment Category ²	† Cycle 4 Assessment Category ³	† Integrated Report Category Summary Assessment	Integrated Assessment Status	Verified Period Assessment Data	Reason for Mercury TMDL Inclusion
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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 2004 and included data from that assessment period (January 1, 1991 through June 30, 2003).

The Cycle 2 assessment was completed in 2009 and included data from that assessment period (January 1, 1996 through June 30, 2008).

The Cycle 3 assessment was completed in 2016 and included data from that assessment period (January 1, 2002 through June 30, 2014).

3 The Cycle 4 assessment is the current assessment and includes data from the Planning Period (January 1, 2007 through December 31, 2016) and the Verified Period (January 1, 2012 through June 30, 2019).

† 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.

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.

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.

The Group 2 Basin Assessment is based on IWR Run 58 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 2/17/2016.

EXHIBIT 4

2020 AMENDMENT TO THE VERIFIED LIST OF IMPAIRED WATERS,
GROUP 3 UPPER ST. JOHNS BASIN

Upper St. Johns Group 3 Basin - Cycle 4 - Central District - Amended Verified List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	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
20-0628	2893V	Blue Cypress Lake	Lake	1	Indian River	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	2	5	5	Impaired	Medium	AGM 2008 (0.13 mg/L) 2009 (0.15 mg/L) 2010 (0.15 mg/L) 2011 (0.13 mg/L) 2012 (0.16 mg/L) 2013 (0.16 mg/L) 2014 (0.16 mg/L) 2015 (0.20 mg/L) 2016 (0.20 mg/L) 2017 (0.21 mg/L)	AGM 2013 (0.17 mg/L) 2014 (0.18 mg/L) 2015 (0.20 mg/L) 2016 (0.20 mg/L) 2017 (0.21 mg/L) 2018 (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 will be added to the Verified List and the 303(d) List.

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

The Cycle 1 assessment was completed in 2005 and included data from that assessment period (January 1, 1992 through June 30, 2004).

The Cycle 2 assessment was completed in 2010 and included data from that assessment period (January 1, 1997 through June 30, 2009).

² The Cycle 3 assessment was completed in 2016 and included data from that assessment period (January 1, 2003 through June 30, 2015).

³ The Cycle 4 assessment is the current assessment cycle and includes data from the Planning Period (January 1, 2008 through December 31, 2017) and the Verified Period (January 1, 2013 through June 30, 2020).

† 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.
- 2t - Attains one or more designated uses and a TMDL has already been completed.
- 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.
- 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 2018 Beach Advisories.

Fish advisory data are provided by the Florida Department of Health 2019 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.); COAA - Coastal Nutrient Region Atlantic; COAG - Coastal Nutrient Region Gulf; 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 3 Upper St. Johns Amended Verified List is based on IWR Run 58 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 2/17/2016.

EXHIBIT 5

2020 AMENDMENTS TO THE VERIFIED LIST OF IMPAIRED WATERS,
GROUP 5 INDIAN RIVER LAGOON BASIN

Indian River Lagoon Group 5 Basin - Cycle 3 - Central District - Amended Delist List

OGC Case Number	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	County	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	Criterion Concentration or Threshold Not Met	† Previous Cycle Summary Assessment Category ²	† Cycle 3 Assessment Category ³	† Integrated Report Category Summary Assessment	Summary Assessment Status	Planning Period Assessment Data ⁵	Verified Period Assessment Data ⁵	Comments
20-0629	3147	North Canal	Stream	3F	Indian River	Nutrients (Macrophytes)	LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	NA	NA	Delist (Not Applicable)	03/25/2008: Avg CofC - 1.9, FLEPPC - 43% 11/05/2008: Avg CofC - 1.9, FLEPPC - 40%	07/27/2016: Avg CofC - 2.8, FLEPPC - 27% 10/31/2016: Avg CofC - 2.4, FLEPPC - 49% 06/26/2017: Avg CofC - 1.7, FLEPPC - 58%	This waterbody meets the definition of a man-made, or predominantly channelized or predominantly physically altered conveyance as per paragraph 62-302.200(36)(b), F.A.C. and is therefore excluded from the definition of "stream" in paragraph 62-302.200(36), F.A.C. Consequently, this waterbody is not subject to the stream Numeric Nutrient Criteria in paragraph 62-302.531(2)(c), F.A.C. and will instead be assessed against the narrative nutrient criterion as described in 62-302.530(90)(b)), F.A.C. This parameter is being removed from the Verified List and the department is requesting EPA remove this parameter from the 303(d) List.
20-0630	3147	North Canal	Stream	3F	Indian River	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	NA	NA	Delist (Not Applicable)	AGM 2005 (0.22 mg/L) 2006 (0.19 mg/L) 2007 (0.24 mg/L) 2008 (0.21 mg/L) 2009 (0.24 mg/L) 2010 (0.14 mg/L) 2011 (0.17 mg/L) 2012 (0.16 mg/L) 2013 (0.18 mg/L) 2014 (0.15 mg/L)	AGM 2010 (0.14 mg/L) 2011 (0.17 mg/L) 2012 (0.16 mg/L) 2013 (0.18 mg/L) 2014 (0.15 mg/L) 2015 (0.16 mg/L) 2016 (0.18 mg/L) 2017 (0.17 mg/L)	This waterbody meets the definition of a man-made, or predominantly channelized or predominantly physically altered conveyance as per paragraph 62-302.200(36)(b), F.A.C. and is therefore excluded from the definition of "stream" in paragraph 62-302.200(36), F.A.C. Consequently, this waterbody is not subject to the stream Numeric Nutrient Criteria in paragraph 62-302.531(2)(c), F.A.C. and will instead be assessed against the narrative nutrient criterion as described in 62-302.530(90)(b)), F.A.C. This parameter is being removed from the Verified List and the department is requesting EPA remove this parameter from the 303(d) List.
20-0631	3153A	Main Canal	Stream	3F	Indian River	Nutrients (Macrophytes)	LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	NA	NA	Delist (Not Applicable)		07/27/2016: Avg CofC - 2.0, FLEPPC - 49% 10/31/2016: Avg CofC - 2.1, FLEPPC - 53%	This waterbody meets the definition of a man-made, or predominantly channelized or predominantly physically altered conveyance as per paragraph 62-302.200(36)(b), F.A.C. and is therefore excluded from the definition of "stream" in paragraph 62-302.200(36), F.A.C. Consequently, this waterbody is not subject to the stream Numeric Nutrient Criteria in paragraph 62-302.531(2)(c), F.A.C. and will instead be assessed against the narrative nutrient criterion as described in 62-302.530(90)(b)), F.A.C. This parameter is being removed from the Verified List and the department is requesting EPA remove this parameter from the 303(d) List.

Indian River Lagoon Group 5 Basin - Cycle 3 - Central District - Amended Delist List

¹ Florida's waterbody classifications are defined as:

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- 2 - Shellfish propagation or harvesting
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- 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 2009 and included data from that assessment period (January 1, 1994 through June 30, 2006).

The Cycle 2 assessment was completed in 2012 and included data from the assessment period (January 1, 1999 through June 30, 2011).

³ The Cycle 3 assessment is the current assessment and includes data from that Planning Period (January 1, 2005 through December 31, 2014) and the Verified Period (January 1, 2010 through June 30, 2017).

[†] 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.
- 2t - Attains one or more designated uses and a TMDL has already been completed.
- 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.
- 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 2018 Beach Advisories.

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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.); COAA - Coastal Nutrient Region Atlantic; COAG - Coastal Nutrient Region Gulf; 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 5 Indian River Lagoon Amended Delist List is based on IWR Run 58 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 2/17/2016.