

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

In re:

VERIFIED LIST OF IMPAIRED WATERS
FOR THE GROUP 2 BASINS, 2003.

OGC No(s): 03-2248-2936; 03-2949;
04-0109; 04-0804-0809;
04-0819-0827;
04-0839-0847; 04-0850

ORDER ADOPTING VERIFIED LIST OF IMPAIRED WATERS

Pursuant to Section 403.067(4), Fla. Stat., and Rule 62-303, Florida Administrative Code (F.A.C.), the Department of Environmental Protection (Department) adopts the verified list of impaired waters for the Group 2 basins for which Total Maximum Daily Loads (TMDLs) shall be established. Group 2 basins include the Lower St. Johns River, the Middle St. Johns River, the Apalachicola/Chipola River, Charlotte Harbor, the major tributaries to Tampa Bay, and the St. Lucie/Loxahatchee Basins. This list will be combined with the verified list of nutrient impaired waters for the main stem of the Lower St. Johns River adopted September 4, 2003.

These combined lists will be submitted to the United States Environmental Protection Agency (EPA) as the Department's 2003 submission, pursuant to Section 303(d) of the federal Clean Water Act, and shall serve to amend the 1998 Section 303(d) statewide list of Florida waters (the "1998 List") maintained by EPA. The 1998 List was developed and submitted to the EPA prior to the State's adoption of Section 403.067, Fla. Stat., allowing the Department to develop its TMDL program, and prior to the Department having adopted, by rule, a methodology for the identification of impaired waters.

To transition between the 1998 List and the development of verified lists of impaired waters by applying Chapter 62-303, F.A.C., Identification of Impaired Surface Waters, the Department's combined Group 2 Verified List shall serve to amend the 1998

List for those Group 2 basin waters for which sufficient data exists to be assessed. The 1998 List shall remain unchanged, but for the Group 1 and Group 2 basin waters, until such time as the Department completes its assessment of waters on the 1998 List and basin specific verified lists for Groups 3 through 5, applying the Department's five-year, five-phase rotating basin cycle. Nothing herein shall alter or amend the Department's interpretation and application of the 1998 List as a list that may not be used for the administration or implementation of any regulatory program pursuant to Section 403.067(2), Fla. Stat.

The Department's TMDL program is authorized as part of the Florida Watershed Restoration Act codified in Section 403.067, Fla. Stat. The Department implements the act applying a watershed management approach. Applying this approach, the State's surface waters have been organized into 52 basins, which have been organized into 30 groups.

The 30 groups have been further divided into five groups of six sets for the purpose of applying the Department's five-year rotating basin cycle. Each group of six basins is given a number that corresponds to the year in an initial five-year basin rotation cycle during which assessment of waters will begin in those basins for each group. Assessment of Group 1 basins began in July 2000; assessment of Group 2 basins began in July 2001; assessment of Group 3 basins began in July 2002; assessment of Group 4 basins began in July 2003; and assessment of Group 5 basins will begin in July 2004. At the end of each five-year five-phase cycle, a new five-year five-phase cycle begins for each group.

Each year of each five-year cycle represents a different phase of the basin rotation cycle which include: Initial Basin Assessment; Strategic Monitoring; Data Analysis and TMDL Development; Basin Management Action Plan Development; and,

Basin Management Action Plan Implementation. A verified list of impaired waters shall be established at the end of Phase 2 for each of the five groups as follows: Group 1—2002; Group 2—2003; Group 3—2004; Group 4—2004, and Group 5—2006. These lists, once finalized, shall serve as the Department's lists as required for submission to the EPA under Section 303(d) of the federal Clean Water Act.

During the development of the Department's basin group specific verified lists, the Department shall assess all waters included on the 1998 List. Waters on the 1998 List shall remain on the EPA statewide impaired waters list for Florida until that list is ultimately replaced by the Department's basin-specific verified lists of impaired waters as described above.

This order addresses those waters within the Group 2 basins that have been assessed applying Chapter 62-303, F.A.C., and verified as impaired and listed pursuant to Section 403.067(4), Fla. Stat. This order does not address the nutrient impaired water segments of the main stem of the Lower St. Johns River. While the Lower St. Johns River is a Group 2 basin, the verified list of nutrient impaired water segments for the main stem was previously adopted in advance of the remaining Group 2 Basin waters to accommodate a September 30, 2003, deadline imposed by EPA for the establishment of a nutrient TMDL for this portion of the river. This order does address other waters in the Lower St. Johns River Basin, as well as non-nutrient related impairment in the main stem. Additionally, certain water bodies and water segments have been assessed and found to meet water quality standards or to have been listed in error. These waters are included in this order as water bodies/segments that the Department will request that EPA remove from the 1998 List. Waters within the Group 2 basins verified as impaired waters, by applying Chapter 62-303, F.A.C., as authorized under Section 403.067, Fla. Stat., are set forth in Exhibit I, attached hereto and incorporated herein, and entitled,

2003 VERIFIED LIST OF IMPAIRED WATERS, GROUP 2 BASINS. Waters that the Department will request EPA to remove from the 1998 List are also noted on the attached incorporated list as waters subject to de-listing.

Requests For Hearings

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. Failure to file a petition within 21 days of the date of receipt of this order constitutes a waiver of any right such person has to an administrative hearing pursuant to Sections 120.569 and 120.57, Fla. Stat.

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 have been affected by the Department choosing not to include a water segment on the Group 2 basins verified lists must file a petition as directed herein using OGC Number: 04-0109.

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 Group 2 basins verified list must file a petition as directed herein using OGC number listed for that particular water segment.

Contents of Petition for Hearing

The petition shall contain the following information: (a) the name, address, and telephone number of each petitioner; the Department's identification number (OGC number) for the water segment and the county in which the subject matter or activity is located; (b) a statement of how and when each petitioner received notice of this order; (c) a statement of how each petitioner's substantial interests are affected by this order; (d) a statement of the material facts disputed by petitioner, if any; (e) a statement of facts which petitioner contends warrant reversal or modification of this order; (f) a statement of which rules or statutes petitioner contends require reversal or modification of this order; (g) a statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to this order.

Intervention As Party to Proceedings

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, 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. The petition must conform to the requirements specified above and be filed (received) within 21 days of receipt of this order in the Department's Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000 . Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under

Sections 120.569 and 120.57, Fla. Stat., and to participate as a party to this proceeding. 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..

Mediation

In addition to petitioning for an administrative hearing, any person who has previously filed a petition for an administrative hearing may pursue mediation. If a written mediation agreement with all parties to the proceeding (i.e., the petitioner, the Department, and any person who has filed a timely and sufficient petition for a hearing) is filed with the Department within 10 days after the deadline for filing a petition for an administrative hearing, the time limitations imposed by sections 120.569 and 120.57, Fla. Stat., shall be tolled to allow mediation to proceed. The agreement must be received by the clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the deadline noted above. Pursuing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement.

Agreement to Mediate

Mediation may only take place if the Department and all the parties to the proceeding agree that mediation is appropriate. A person may pursue mediation by reaching an agreement to mediate with all parties to the proceeding (which include the Respondent, the Department, and any person who has filed a timely and sufficient petition for a hearing) and by showing how the substantial interests of each mediating party are affected by this order. The agreement must be filed in (received by) the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, MS #35, Tallahassee, Florida 32399-3000, within 10 days after the deadline as set forth above for the filing of a petition.

Contents of Agreement to Mediate

The agreement to mediate must include the following:

- (a) The names, addresses, and telephone numbers of any persons who may attend the mediation;
- (b) The name, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time;
- (c) The agreed allocation of the costs and fees associated with the mediation;
- (d) The agreement of the parties on the confidentiality of discussions and documents introduced during mediation;
- (e) The date, time, and place of the first mediation session, or a deadline for holding the first session, if no mediator has yet been chosen;
- (f) The name of each party's representative who shall have authority to settle or recommend settlement; and
- (g) Either an explanation of how the substantial interests of each mediating party will be affected by the action or proposed action addressed in this notice of intent or a statement clearly identifying the petition for hearing that each party has already filed, and incorporating it by reference.
- (h) The signatures of all parties or their authorized representatives.

Mediation Is Not A Waiver of Hearing

As provided in Section 120.573, Fla. Stat., the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57, Fla. Stat., for requesting and holding an administrative hearing. Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons whose substantial interests will be affected by such a modified final decision of the

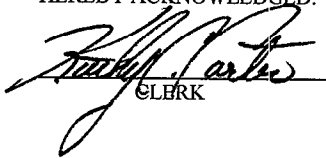
DONE AND ORDERED this 27th day of May, 2004, in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


COLLEEN M. CASTILLE
Secretary

Marjorie Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

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


CLERK

5/27/04
DATE

2003 VERIFIED LIST OF IMPAIRED WATERS, GROUP 2 BASINS

Verified Waters

Apalachicola-Chipola Basin	Tab 1
Charlotte Harbor Basin	Tab 2
Lower St. Johns River Basin	Tab 3
Middle St. Johns River Basin	Tab 4
St. Lucie – Loxahatchee Basin	Tab 5
Tampa Bay Tributaries Basin	Tab 6

Waters Subject to Delisting

Apalachicola – Chipola Basin	Tab 7
Charlotte Harbor Basin	Tab 8
Lower St. Johns River Basin	Tab 9
Middle St. Johns River Basin	Tab 10
St. Lucie – Loxahatchee Basin	Tab 11
Tampa Bay Tributaries Basin	Tab 12

Apalachicola - Chipola Group 2 Basin - Northwest District - Verified List Hydrologic Units - Apalachicola River, Chipola River

OCG Case Number	Basin Group Name	WBD	Water Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the WTR	Concentrations Causing Impairment	Priority for TMDL Development	Projected Year for TMDL Development	Comments PP=Planning Period; VP=Verified Period; #Exceedances/#Samples
03 2374	Apalachicola Bay	1266	St George Sound	Estuary	2	Bacteria (in shellfish)	Exceeds SEAS thresholds	Medium	2008	Listed based on change in shellfish harvesting classification (downgraded from approved to conditionally restricted).
03 2375	Apalachicola Bay	1274	Apalachicola Bay	Estuary	2	Fecal Coliform	>400 colonies per 100 mL	High	2003	PP - 493/3256 Potentially Impaired VP - 215/1710 Verified Impaired
03 2376	Apalachicola Bay	1274	Apalachicola Bay	Estuary	2	Bacteria (in shellfish)	Exceeds SEAS thresholds	Medium	2008	Listed based on change in shellfish harvesting classification (downgraded from approved to conditionally restricted).
03 2377	Apalachicola Bay	1274A	East Bay	Estuary	2	Fecal Coliform	>400 colonies per 100 mL	Medium	2008	PP - 481/2047 Potentially Impaired VP - 150/900 Verified Impaired
03 2378	Apalachicola Bay	1274A	East Bay	Estuary	2	Bacteria (in shellfish)	Exceeds SEAS thresholds	Medium	2008	Listed based on change in shellfish harvesting classification (downgraded from conditionally approved to conditionally restricted).
03 2379	Apalachicola Bay	1274B	Apalachicola Bay	Estuary	2	Bacteria (in shellfish)	Exceeds SEAS thresholds	Medium	2008	Listed based on change in shellfish harvesting classification (downgraded from approved to conditionally approved).
03 2380	Apalachicola Bay	1286	Money Bayou	Estuary	3M	Bacteria (in shellfish)	Exceeds SEAS thresholds	Medium	2008	Listed based on change in shellfish harvesting classification (downgraded from unclassified to prohibited).
03 2381	Apalachicola River	1286	Huckleberry Creek	Stream	3F	Fecal Coliform	>400 colonies per 100 mL	High	2003	PP - No data VP - Verified impaired (11/23). Data from consultant for Apalachicola Wastewater Treatment Facility Monitoring.
03 2382	Apalachicola River	1286	Huckleberry Creek	Stream	3F	Dissolved Oxygen	BOD > 2.0 mg/L	Medium	2008	PP - No data VP - Verified impaired (19/22). Data from consultant for Apalachicola Wastewater Treatment Facility Monitoring. Causative pollutant is BOD (median value of approximately 3.0 mg/L).
03 2383	Apalachicola River	376	Mosquito Creek	Stream	1	Fecal Coliform	>400 colonies per 100 mL	Medium	2008	PP - 15/34 Potentially Impaired VP - 9/23 Verified Impaired
03 2384	Apalachicola River	376	Mosquito Creek	Stream	1	Total Coliform	>2400 per 100 mL	Medium	2008	PP - 14/30 Potentially Impaired VP - 10/23 Verified Impaired
03 2385	Apalachicola River	926A1	Lake Mystic	Stream	3F	Fish - Mercury	> 0.5 ug/L	Low	2011	PP - Not impaired VP - Listed based on fish tissue data. Eleven out of 20 fish sampled had mercury levels greater than 0.5 ppm, with a mean value of .554 ppm.
03 2386	Chipola River	51E	Chipola River	Stream	3F	Fecal Coliform	>400 colonies per 100 mL	Medium	2008	PP - 14/82 Not Impaired VP - 10/37 Verified Impaired
03 2387	Chipola River	52	Cowarts Creek	Stream	3F	Fecal Coliform	>400 colonies per 100 mL	Medium	2008	PP - 11/57 Not Impaired VP - 13/58 Verified Impaired
03 2388	Chipola River	52	Cowarts Creek	Stream	3F	Total Coliform	>2400 colonies per 100 mL	Medium	2008	PP - 18/62 Potentially Impaired VP - 9/41 Verified Impaired
03 2389	New River	1256	Alligator Harbor	Estuary	3M	Bacteria (in shellfish)	Exceeds SEAS thresholds	Medium	2008	Listed based on change in shellfish harvesting classification (downgraded from unclassified to prohibited).

- Where a parameter was 1998 303(d) listed, the priority shown for it in the 1998 303(d) list was retained (high or low). Where a parameter was only identified as impaired under the WTR, priorities of high, medium and low were used. Waterbodies where Mercury (in fish tissue) has been identified as impaired under the WTR, have been given a medium priority and a TMDL is scheduled for 2011.
- PP - Planning Period (January, 1991 through December, 2000); VP - Verified Period (January, 1996 through June, 2003)

5/27/04
KTC

May 18, 2004

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Florida Department of Environmental Protection

Apalachicola - Chipola Group 2 Basin - Northwest District - Verified List Hydrologic Units - Apalachicola River, Chipola River

OCG Case Number	Basin Group Name	WBD	Water Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the IWR	Concentrations Causing Impairment	Priority for TMDL Development	Projected Year for TMDL Development	Comments PPEP Anticipated Period, VP=Verified Period, #Exceedances/#Samples
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The Apalachicola/Chipola Verified List is based on IWR2002 Run 14.2.

May 18, 2004

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Florida Department of Environmental Protection

5/27/04
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Charlotte Harbor Group 2 Basin - South District - Verified List Hydrologic Units - Charlotte Harbor, Sarasota Bay

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentration Causing Impairment	Priority for TMDL Development	Projected Year for TMDL Development	COMMENTS (#Exceedances# Samples) PP-Planting Period VP-Verified Period
03 2390	CHARLOTTE HARBOR	1983A	LEMON BAY	ESTUARY	3M	NUTRIENTS (CHLA)	TN = 0.62 TP = 0.22 mg/L	Low	2008	PP - No data; VP - Chia verified. Annual average Chia exceeded 11 ug/L in 1998 - 2001. Colimitation of N and P based on median TN/TP ratios of 2.96 (436 values) during the PP and 2.67 (454 values) during the VP.
03 2391	CHARLOTTE HARBOR	1983A	LEMON BAY	ESTUARY	3M	BACTERIA (SHELLFISH)	Exceeds Shellfish Evaluation & Assessment Section (SEAS) thresholds.	Medium	2008	Listed based on change in shellfish harvesting classification (downgraded from approved to conditional).
03 2392	CHARLOTTE HARBOR	1983B	LEMON BAY	ESTUARY	2	BACTERIA (SHELLFISH)	Exceeds Shellfish Evaluation & Assessment Section (SEAS) thresholds.	Medium	2008	Listed based on change in shellfish harvesting classification (downgraded from approved to conditional).
03 2393	CHARLOTTE HARBOR	2030	ALLIGATOR CREEK	ESTUARY	3M	FECAL COLIFORM	> 400 colonies per 100 ml	Medium	2008	PP - 27/59; VP - 9/28
04 0619	CHARLOTTE HARBOR	2030	ALLIGATOR CREEK	ESTUARY	3M	DISSOLVED OXYGEN	< 4.0 mg/L, and < 5.0 mg/L as a daily average.	Medium	2008	PP - 45/60 Potentially Impaired; VP - 21/28 Verified. Linked to nutrients, TN may be causative pollutant (mean = 1.275 mg/L)
04 0620	CHARLOTTE HARBOR	2052	ROCK CREEK	ESTUARY	3M	DISSOLVED OXYGEN	< 4.0 mg/L, and < 5.0 mg/L as a daily average.	Medium	2008	PP - 12/27 Potentially Impaired; VP - 11/20 Verified. BOD is identified as a causative pollutant (mean = 3.7 mg/L)
03 2394	CHARLOTTE HARBOR	2063	N FORK ALLIGATOR CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/L	Medium	2008	PP - 24/35; VP - 24/34 BOD is identified as a causative pollutant (mean = 4.6 mg/L)
03 2395	CHARLOTTE HARBOR	2065A	CHARLOTTE HARBOR UPPER	ESTUARY	2	IRON	> 0.3 mg/L	Medium	2008	PP - 5/11; VP - 21/36
03 2396	CHARLOTTE HARBOR	2065A	CHARLOTTE HARBOR UPPER	ESTUARY	2	MERCURY (IN FISH TISSUE)	> 0.5 ppm	Low	2011	Data verified to be within the last 7.5 years. Confirmed consumption advisory in Charlotte Harbor for Spanish Mackerel, includes WBIDs 2065A, 2065B, 2065C, and 2065D.
03 2397	CHARLOTTE HARBOR	2065B	CHARLOTTE HARBOR MID	ESTUARY	2	MERCURY (IN FISH TISSUE)	> 0.5 ppm	Low	2011	Data verified to be within the last 7.5 years. Confirmed consumption advisory in Charlotte Harbor for Spanish Mackerel, includes WBIDs 2065A, 2065B, 2065C, and 2065D.
03 2398	CHARLOTTE HARBOR	2065C	CHARLOTTE HARBOR MID	ESTUARY	2	BACTERIA (SHELLFISH)	Exceeds Shellfish Evaluation & Assessment Section (SEAS) thresholds.	Medium	2008	Listed based on change in shellfish harvesting classification (downgraded from approved to conditional).

5/12/04
JLC

**Charlotte Harbor Group 2 Basin - South District - Verified List
Hydrologic Units - Charlotte Harbor, Sarasota Bay**

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentration Causing Impairment	Priority for TMDL Development ¹	Projected Year for TMDL Development ¹	COMMENTS ² (# Exceedances/# Samples) PP=Planning Period; VP=Verified Period
03 2399	CHARLOTTE HARBOR	2065E	PINE ISLAND SOUND	ESTUARY	2	BACTERIA (SHELLFISH)	Exceeds Shellfish Evaluation & Assessment Section (SEAS) thresholds.	Medium	2008	Listed based on change in shellfish harvesting classification (downgraded from approved to conditional).
03 2400	CHARLOTTE HARBOR	2065C	CHARLOTTE HARBOR MID	ESTUARY	2	MERCURY (IN FISH TISSUE)	> 0.5 ppm	Low	2011	Data verified to be within the last 7.5 years. Confirmed consumption advisory in Charlotte Harbor for Spanish Mackerel. Includes WBIDs 2065A, 2065B, 2065C, and 2065D.
03 2401	CHARLOTTE HARBOR	2065D	CHARLOTTE HARBOR LOWER	ESTUARY	2	MERCURY (IN FISH TISSUE)	> 0.5 ppm	Low	2011	Data verified to be within the last 7.5 years. Confirmed consumption advisory in Charlotte Harbor for Spanish Mackerel. Includes WBIDs 2065A, 2065B, 2065C, and 2065D.
04 2839	CHARLOTTE HARBOR	2065F	MATALACHA PASS	ESTUARY	2	BACTERIA (SHELLFISH)	Evaluation & Assessment Section (SEAS) thresholds.	Medium	2008	Listed based on change in shellfish harvesting classification (downgraded from conditional to prohibited).
03 23402	CHARLOTTE HARBOR	2092E	PINE ISLAND	ESTUARY	2	BACTERIA (SHELLFISH)	Exceeds Shellfish Evaluation & Assessment Section (SEAS) thresholds.	Medium	2008	Listed based on change in shellfish harvesting classification (downgraded from conditional to prohibited).
03 2403	CHARLOTTE HARBOR	2067	OYSTER CREEK	ESTUARY	3M	DISSOLVED OXYGEN	< 4.0 mg/L, and < 5.0 mg/L as a daily average.	Medium	2008	PP - 9/21 ; VP - 9/20 BOD is identified as the causative pollutant (mean BOD = 2.6 mg/L).
03 2404	CHARLOTTE HARBOR	2068	BUCK CREEK	ESTUARY	3M	DISSOLVED OXYGEN	< 4.0 mg/L, and < 5.0 mg/L as a daily average.	Medium	2008	PP - 14/21 ; VP - 14/20 BOD (mean BOD = 4.5 mg/l) was identified as causative pollutant.
03 2405	CHARLOTTE HARBOR	2078B	CORAL CREEK E. BRANCH	ESTUARY	3M	NUTRIENTS (CHLA)	TN = 0.71 mg/L TP = 0.043 mg/L	Low	2008	PP - No data; VP - Chla verified. Annual average Chla exceeded 11 ug/L in 1996 - 2001. Colimitation of N and P based on median TN/TP ratios of 19.65 (30 values) during the PP and 16.87 (54 values) during the VP.
03 2407	CHARLOTTE HARBOR	2092F	SANIBEL ISLAND	LAKE	3F	NUTRIENTS (TSI)	TN = 1.67 mg/L TP = 0.07 mg/L	Medium	2008	PP - TSI potentially impaired; VP - TSI verified. Annual average TSI exceeded 80 in 1996 and 1999 - 2002. Colimitation of N and P based on median TN/TP ratios of 32.81 (1044 values) during the PP and 28.28 (778 values) during the VP.

5/27/04
[Signature]

Charlotte Harbor Group 2 Basin - South District - Verified List Hydrologic Units - Charlotte Harbor, Sarasota Bay

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentration Causing Impairment	Priority for TMDL Development ¹	Projected Year for TMDL Development ²	COMMENTS ³ (# Exceedance# Samples) PP-Planning Period VP-Verified Period
03 2408	SARASOTA BAY	8999	FLORIDA GULF COAST	COASTAL	3M	MERCURY (IN FISH TISSUE)	> 0.5 ppm	Low	2011	Data verified to be within the last 7.5 years. Confirmed recent data for coastal fish advisory for Shark, King Mackerel, Spotted Seatrout, Little Tunny, Greater Amberjack, Bluefish, and Crevalle Jack. Includes WBIDs 8054, 8054 A-F, 8055, 8055A, 8055B, 8056, 8056A, 8057A, 8058A, 8058B, 8059A, and 8059B.

1. Priorities were retained from the 1998 303(d) list (i.e., High or Low), but High, Medium and Low are used for newly listed waters identified under the IWR.
2. PP is January, 1991 - December 2000; VP is January, 1996 - June, 2003

Note: Charlotte Harbor Group 2 Verified List (VL) is based on FDEP IWR Run 14.2.

5/18/04
JC

Lower St. Johns Group 2/Northeast District-Verified List
Hydrologic Unit: St. Johns Lower

O&G Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed, Using the Impaired Waters Rule	Concentrations Causing Impairment ¹	Priority for TMDL Development ²	Projected Year for TMDL Development ²	COMMENTS ³ (# Assessments & Samples) This Planning Period Was Verified (Y/N)
03 2409	Lower St. Johns River	2181	DUNN CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 26/58 Potentially impaired; VP - 14/39 Verified
03 2410	Lower St. Johns River	2191	BROWARD RIVER	ESTUARY	3M	DISSOLVED OXYGEN	<4.0 mg/l	MEDIUM	2008	VP - 22/93 Verified Linked to elevated TN levels during PP (1.02 mg/l) and elevated TP levels during
03 2411	Lower St. Johns River	2191	BROWARD RIVER	ESTUARY	3M	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 31/69 Potentially impaired; VP - 17/46 Verified
03 2412	Lower St. Johns River	2191	BROWARD RIVER	ESTUARY	3M	TOTAL COLIFORMS	> 2400 colonies per 100 ml	MEDIUM	2008	PP - 20/44 Potentially impaired; VP - 6/24 Verified
03 2413	Lower St. Johns River	2203	TROUT RIVER	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	LOW	2008	PP - 42/69 Potentially impaired; VP - 42/66 Verified. Linked to elevated TP during both the PP and VP (0.34 and 0.35 mg/l, respectively).
03 2414	Lower St. Johns River	2203	TROUT RIVER	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	LOW	2008	PP - 22/32 Potentially impaired; VP - 15/24 Verified
03 2415	Lower St. Johns River	2203A	TROUT RIVER	ESTUARY	3M	FECAL COLIFORMS	> 400 colonies per 100 ml	LOW	2008	PP - 35/111 Potentially impaired; VP - 10/34 Verified.
03 2416	Lower St. Johns River	2204	TERRAPIN CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 17/52 Potentially impaired; VP - 20/53 Verified Linked to elevated TN, TP, and BOD during the PP (9.34, 0.33 mg/l, and 5.0 mg/l, respectively).
03 2417	Lower St. Johns River	2204	TERRAPIN CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 21/29 Potentially impaired; VP - 19/28 Verified
03 2418	Lower St. Johns River	2207	BLOCK HOUSE CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 26/29 Potentially impaired; VP - 14/20 Verified.
03 2419	Lower St. Johns River	2207	BLOCK HOUSE CREEK	STREAM	3F	TOTAL COLIFORMS	> 2400 colonies per 100 ml	MEDIUM	2008	PP - 16/18 Potentially impaired; VP - 12/20 Verified
04 0821	Lower St. Johns River	2210	WEST BRANCH	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 26/29 Potentially impaired; VP - 16/21 Verified
03 2420	Lower St. Johns River	2213A	STJ RIV AB MOUTH	ESTUARY	3M	IRON	> 0.3 mg/l	MEDIUM	2008	PP - 5/13 Potentially impaired; VP - 10/33 Verified
04 0822	Lower St. Johns River	2213A	STJ RIV AB MOUTH	ESTUARY	3M	COPPER	>3.7 ug/l	MEDIUM	2008	PP - 9/13 Potentially impaired; VP - 9/33 Verified
04 0841	Lower St. Johns River	2213A	STJ RIV AB MOUTH	ESTUARY	3M	NICKEL	> 8.3 ug/l	MEDIUM	2008	PP - 16/18 Potentially impaired; VP - 14/35 Verified
03 2421	Lower St. Johns River	2213B	STJ RIV AB ICWW	ESTUARY	3M	COPPER	> 3.7 ug/l	MEDIUM	2008	PP - 15/25 Potentially impaired; VP - 13/34 Verified

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Lower St. Johns Group 2/Northeast District-Verified List
Hydrologic Unit: St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentrations Causing Impairment	Priority for TMDL Development	Projected Year for TMDL Development	Comments ² (Exceedances & Sampling Frequency) PP's Planning Period: 10/1/2000-9/30/2004
03 2422	Lower St. Johns River	2213B	STJ RIV AB ICWW	ESTUARY	3M	IRON	> 0.3 mg/l	MEDIUM	2008	PP - 9/27 Not Impaired; VP - 24/62 Verified
03 2423	Lower St. Johns River	2213B	STJ RIV AB ICWW	ESTUARY	3M	LEAD	> 5.6 ug/l	MEDIUM	2008	PP - 14/26 Potentially Impaired; VP - 10/20 Verified
03 2424	Lower St. Johns River	2213B	STJ RIV AB ICWW	ESTUARY	3M	NICKEL	> 8.3 ug/l	MEDIUM	2008	PP - 27/29 Potentially Impaired; VP - 20/22 Verified
03 2425	Lower St. Johns River	2213C	STJ RIV AB DAMES PT	ESTUARY	3M	COPPER	> 3.7 ug/l	MEDIUM	2008	PP - 19/22 Potentially Impaired; VP - 22/30 Verified
03 2426	Lower St. Johns River	2213C	STJ RIV AB DAMES PT	ESTUARY	3M	IRON	> 0.3 mg/l	MEDIUM	2008	PP - 16/32 Potentially Impaired; VP - 29/69 Verified
03 2427	Lower St. Johns River	2213C	STJ RIV AB DAMES PT	ESTUARY	3M	NICKEL	> 8.3 ug/l	MEDIUM	2008	PP - 27/31 Potentially Impaired; VP - 24/28 Verified
03 2428	Lower St. Johns River	2213D	STJ RIV AB TROUT RIV	ESTUARY	3M	COPPER	> 3.7 ug/l	MEDIUM	2008	PP - 18/40 Potentially Impaired; VP - 21/60 Verified
03 2429	Lower St. Johns River	2213D	STJ RIV AB TROUT RIV	ESTUARY	3M	IRON	> 0.3 mg/l	MEDIUM	2008	PP - 29/53 Potentially Impaired; VP - 64/98 Verified
03 2430	Lower St. Johns River	2213D	STJ RIV AB TROUT RIV	ESTUARY	3M	NICKEL	> 8.3 ug/l	MEDIUM	2008	PP - 36/45 Potentially Impaired; VP - 28/40 Verified
03 2431	Lower St. Johns River	2213E	STJ RIV AB WARREN BRG	ESTUARY	3M	COPPER	> 3.7 ug/l	MEDIUM	2008	PP - 51/17 Potentially Impaired; VP - 6/22 Verified
03 2432	Lower St. Johns River	2213E	STJ RIV AB WARREN BRG	ESTUARY	3M	IRON	> 0.3 mg/l	MEDIUM	2008	PP - 10/27 Potentially Impaired; VP - 38/86 Verified
04 0823	Lower St. Johns River	2213E	STJ RIV AB WARREN BRG	ESTUARY	3M	NICKEL	> 8.3 ug/l	MEDIUM	2008	PP - 14/25 Potentially Impaired; VP - 12/37 Verified
03 2433	Lower St. Johns River	2213G	STJ RIV AB DOCTOR LAKE	LAKE	3F	CADMIUM	> 0.7652 ug/l (3.49)	MEDIUM	2008	PP - 12/43 Potentially Impaired; VP - 12/49 Verified
03 2434	Lower St. Johns River	2213I	STJ RIV AB BLACK OK	LAKE	3F	SILVER	> 0.07 ug/l	MEDIUM	2008	PP - 48/54 Potentially Impaired; VP - 30/33 Verified
03 2435	Lower St. Johns River	2213P	ORTEGA RIVER	STREAM	3F	NUTRIENTS (CHLA)	TN = 1.27 mg/l	LOW	2008	PP - Chla potentially impaired VP - Chla verified Annual average Chla exceeded 20 ug/l in 1996 - 2001. Nitrogen limiting based on the TN/TP median of 9.4 (232 values) during the PP and a median of 9.0 (213 values) during the VP.
03 2436	Lower St. Johns River	2213P	ORTEGA RIVER	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	LOW	2008	PP - 71/349 Potentially Impaired; VP - 39/220 Verified Linked to elevated algal biomass.
03 2437	Lower St. Johns River	2213P	ORTEGA RIVER	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	LOW	2008	PP - 21/74 Potentially Impaired; VP - 14/42 Verified

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Lower St. Johns Group 2/Northeast District-Verified List
Hydrologic Unit: St. Johns Lower

OSCC Case Number	Basin Group Name	WBID	Watershed Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentrations Causing Impairment ¹	Priority for TMDL Development ²	Projected Year for TMDL Development ³	COMMENTS ⁴ (If Remedial Action is Required)
03 2438	Lower St. Johns River	2213P	ORTEGA RIVER	STREAM	3F	LEAD	> e ^{(1.273)(UHF-4.709)}	LOW	2008	PP - 18/81 Potentially impaired; VP - 10/37 Verified
03 2439	Lower St. Johns River	2220	NINE MILE CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 27/52 Potentially impaired; VP - 32/53 Verified. Linked to elevated TN and TP during the PP (1.86 and 0.27 mg/l, respectively).
03 2440	Lower St. Johns River	2220	NINE MILE CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 12/32 Potentially impaired; VP - 6/21 Verified
03 2441	Lower St. Johns River	2224	RIBAUT RIVER	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 36/115 Potentially impaired; VP - 38/88 Verified. Linked to elevated TN and BOD during VP (1.72 and 2.5 mg/l, respectively).
03 2442	Lower St. Johns River	2224	RIBAUT RIVER	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	HIGH	2004	PP - 31/64 Potentially impaired; VP - 12/42 Verified
03 2443	Lower St. Johns River	2227	SHERMAN CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 73/152 Potentially impaired; VP - 51/119 Verified. Believed linked to elevated TP levels in both the PP and VP.
03 2444	Lower St. Johns River	2227	SHERMAN CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 57/85 Potentially impaired; VP - 25/58 Verified
03 2445	Lower St. Johns River	2228	MONCRIEF CREEK	ESTUARY	3M	COPPER	> 3.7 ug/l	HIGH	2004	PP - 21/35 Potentially impaired; VP - 20/35 Verified
03 2446	Lower St. Johns River	2228	MONCRIEF CREEK	ESTUARY	3M	FECAL COLIFORMS	> 400 colonies per 100 ml	HIGH	2004	PP - 64/83 Potentially impaired; VP - 39/62 Verified
03 2447	Lower St. Johns River	2228	MONCRIEF CREEK	ESTUARY	3M	IRON	> 0.3 mg/l	HIGH	2004	PP - 37/47 Potentially impaired; VP - 33/44 Verified
03 2448	Lower St. Johns River	2228	MONCRIEF CREEK	ESTUARY	3M	LEAD	> 8.5 ug/l	MEDIUM	2008	PP - 6/23 Potentially impaired; VP - 6/21 Verified
03 2449	Lower St. Johns River	2228	MONCRIEF CREEK	ESTUARY	3M	NUTRIENTS (CHLA)	TN = 1.033 mg/l	HIGH	2004	PP - Chl potentially impaired; VP - Chla verified. Annual average Chla over 11 ug/l in 1996, 1999, 2000, and 2001. Nitrogen limitation based upon PP TN/TP ratio mean 7.1, median 6.4, std dev 2.81 (67 values) VP TN/TP ratio mean 7.3, median 6.3, std dev 4.78 (64 values).
03 2450	Lower St. Johns River	2228	MONCRIEF CREEK	ESTUARY	3M	TOTAL COLIFORMS	> 2400 colonies per 100 ml	HIGH	2004	PP - 36/65 Potentially impaired; VP - 7/21 Verified
03 2451	Lower St. Johns River	2232	SIX MILE CREEK REACH	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 38/66 Potentially impaired; VP - 18/42 Verified

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Lower St. Johns Group 2/Northeast District-Verified List
Hydrologic Unit: St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameter Assessed Using the Impaired Waters Rule	Concentrations Causing Impairment	Priority for TMDL Development	Projected Year for TMDL Development	COMMENTS (Reference to Comments in the Planning Process, if any, is indicated below)
03 2452	Lower St. Johns River	2232	SIXMILE CREEK REACH	STREAM	3F	TOTAL COLIFORMS	> 2400 colonies per 100 ml	MEDIUM	2008	PP - 17/41 Potentially impaired; VP - 10/28 Verified
03 2453	Lower St. Johns River	2233	LONG BRANCH	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	LOW	2008	PP - 23/29 Potentially impaired; VP - 30/42 Verified
03 2454	Lower St. Johns River	2235	NEW CASTLE CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 30/31 Potentially impaired; VP - 23/25 Verified
03 2455	Lower St. Johns River	2238	LITTLE SIXMILE CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 24/34 Potentially impaired; VP - 17/25 Verified
03 2456	Lower St. Johns River	2239	STRAWBERRY CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	LOW	2008	PP - 30/67 Potentially impaired; VP - 25/48 Verified
03 2457	Lower St. Johns River	2239	STRAWBERRY CREEK	STREAM	3F	TOTAL COLIFORMS	> 2400 colonies per 100 ml	LOW	2008	PP - 32/37 Potentially impaired; VP - 13/22 Verified
03 2458	Lower St. Johns River	2240	GREENFIELD CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 28/75 Potentially impaired; VP - 9/40 Verified
03 2459	Lower St. Johns River	2244	COW HEAD CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 17/31 Potentially impaired; VP - 14/23 Verified
03 2460	Lower St. Johns River	2246	JONES CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 26/31 Potentially impaired; VP - 17/29 Verified
03 2461	Lower St. Johns River	2248	GIN HOUSE CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 12/32 Not impaired; VP - 14/26 Verified
03 2462	Lower St. Johns River	2249A	ORTEGA RIVER	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 30/107 Potentially impaired; VP - 15/67 Verified
03 2463	Lower St. Johns River	2249A	ORTEGA RIVER	STREAM	3F	TOTAL COLIFORMS	> 2400 colonies per 100 ml	MEDIUM	2008	PP - 23/80 Potentially impaired; VP - 10/34 Verified
03 2464	Lower St. Johns River	2249B	MCGIRTS CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 39/84 Potentially impaired; VP - 28/60 Verified
03 2465	Lower St. Johns River	2252	HOGAN CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	HIGH	2004	PP - 30/31 Potentially impaired; VP - 19/24 Verified
03 2466	Lower St. Johns River	2254	RED BAY BRANCH	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 30/32 Potentially impaired; VP - 25/30 Verified
03 2467	Lower St. Johns River	2254	RED BAY BRANCH	STREAM	3F	TOTAL COLIFORMS	> 2400 colonies per 100 ml	MEDIUM	2008	PP - 18/19 Potentially impaired; VP - 17/20 Verified
03 2468	Lower St. Johns River	2256	DEER CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 54/71 Potentially impaired; VP - 66/82 Verified Linked to elevated TN during the PP (1.69 mg/l).
03 2469	Lower St. Johns River	2256	DEER CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 27/29 Potentially impaired; VP - 39/44 Verified

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Lower St. Johns Group 2/Northeast District-Verified List
Hydrologic Unit: St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentrations Causing Impairment?	Priority for TMDL Development	Projected Year for TMDL Development	COMMENTS (Reference to # Sample)
03 2470	Lower St. Johns River	2257	MCCOY CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 56/63 Potentially Impaired; VP - 35/49 Verified
03 2471	Lower St. Johns River	2262	CEDAR RIVER	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	HIGH	2004	PP - 97/293 Potentially Impaired; VP - 65/195 Verified. Linked to BOD which was elevated above screening levels during PP (3.0 mg/l).
03 2472	Lower St. Johns River	2262	CEDAR RIVER	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	HIGH	2004	PP - 126/149 Potentially Impaired; VP - 54/81 Verified
03 2473	Lower St. Johns River	2262	CEDAR RIVER	STREAM	3F	TOTAL COLIFORMS	> 2400 colonies per 100 ml	HIGH	2004	PP - 93/98 Potentially Impaired; VP - 10/26 Verified
03 2474	Lower St. Johns River	2265A	ARLINGTON RIVER	ESTUARY	3M	NUTRIENTS (CHLA)	TN = 1,220 mg/l	LOW	2008	PP - Chia insufficient data VP - Chia verified Annual average Chia over 11 ug/l in 2002. Nitrogen limiting based on TNVTP median of 6.3 (4 values) during the PP and a median of 8.8 (9 values) during the VP.
03 2475	Lower St. Johns River	2265B	POTTSBURG CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	LOW	2008	PP - 43/69 Potentially Impaired; VP - 21/53 Verified
03 2476	Lower St. Johns River	2266	HOPKINS CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 22/30 Potentially Impaired; VP - 9/21 Verified
03 2477	Lower St. Johns River	2266	HOPKINS CREEK	STREAM	3F	TOTAL COLIFORMS	> 2400 colonies per 100 ml	MEDIUM	2008	PP - 13/18 Potentially Impaired; VP - 14/20 Verified
03 2478	Lower St. Johns River	2270	HOGPEN CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 27/60 Potentially Impaired; VP - 16/42 Verified
03 2479	Lower St. Johns River	2270	HOGFEN CREEK	STREAM	3F	TOTAL COLIFORMS	> 2400 colonies per 100 ml	MEDIUM	2008	PP - 18/36 Potentially Impaired; VP - 10/22 Verified
03 2480	Lower St. Johns River	2273	MILL DAM BRANCH	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 16/46 Potentially Impaired; VP - 15/36 Verified. Linked to elevated TN during both the PP and VP (1.69 and 1.69 mg/l, respectively).
03 2481	Lower St. Johns River	2278	SILVERSMITH CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 29/31 Potentially Impaired; VP - 14/22 Verified
03 2482	Lower St. Johns River	2278	SILVERSMITH CREEK	STREAM	3F	TOTAL COLIFORMS	> 2400 colonies per 100 ml	MEDIUM	2008	PP - 14/18 Potentially Impaired; VP - 5/21 Verified
03 2483	Lower St. Johns River	2280	BIG FISHWEIR CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 44/62 Potentially Impaired; VP - 33/55 Verified
03 2484	Lower St. Johns River	2282	WILLIS BRANCH	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	HIGH	2004	PP - 58/68 Potentially Impaired; VP - 29/47 Verified

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Lower St. Johns Group 2/Northeast District-Verified List
Hydrologic Unit: St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentrations Causing Impairment	Priority for THDL Development	Projected Year for THDL Development	COMMENTS (If Significant Sampling Data Pending Note the Verifier Period)
03 2485	Lower St. Johns River	2282	WILLS BRANCH	STREAM	3F	TOTAL COLIFORMS	> 2400 colonies per 100 ml	HIGH	2004	PP - 34/39 Potentially impaired; VP - 13/22 Verified.
03 2486	Lower St. Johns River	2284	LITTLE POTTSBURG CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 83/91 Potentially impaired; VP - 55/72 Verified
03 2487	Lower St. Johns River	2284	LITTLE POTTSBURG CREEK	STREAM	3F	TOTAL COLIFORMS	> 2400 colonies per 100 ml	MEDIUM	2008	PP - 51/55 Potentially impaired; VP - 9/20 Verified
03 2488	Lower St. Johns River	2287	MILLER CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 17/49 Potentially impaired; VP - 12/36 Verified. Linked to elevated BOD levels during the PP and VP (3.0 and 3.0 mg/l, respectively).
04 0824	Lower St. Johns River	2287	MILLER CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 30/31 Potentially impaired; VP - 15/20 Verified
03 2489	Lower St. Johns River	2297	CRAIG CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 28/49 Potentially impaired; VP - 24/41 Verified. Linked to elevated BOD during the PP and VP (3.0 and 3.0 mg/l, respectively).
03 2490	Lower St. Johns River	2297	CRAIG CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 28/31 Potentially impaired; VP - 20/24 Verified
03 2491	Lower St. Johns River	2299	OPEN CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 20/30 Potentially impaired; VP - 12/21 Verified
03 2492	Lower St. Johns River	2304	MIRAMAR CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 30/31 Potentially impaired; VP - 20/24 Verified
03 2493	Lower St. Johns River	2306	NEW ROSE CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 15/31 Potentially impaired; VP - 7/20 Verified
04 0825	Lower St. Johns River	2308	LEEDS POND	LAKE	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 22/29 Potentially impaired; VP - 14/20 Verified
03 2494	Lower St. Johns River	2316	WILLIAMSON CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	HIGH	2004	PP - 29/35 Potentially impaired; VP - 15/23 Verified
03 2495	Lower St. Johns River	2316	WILLIAMSON CREEK	STREAM	3F	TOTAL COLIFORMS	> 2400 colonies per 100 ml	HIGH	2004	PP - 18/20 Potentially impaired; VP - 15/21 Verified
03 2496	Lower St. Johns River	2321	CHRISTOPHER BRANCH	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 26/31 Potentially impaired; VP - 11/20 Verified
03 2497	Lower St. Johns River	2322	BUTCHER PEN CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	HIGH	2004	PP - 20/55 Potentially impaired; VP - 22/53 Verified. Linked to nutrients based on elevated algal biomass.
03 2498	Lower St. Johns River	2322	BUTCHER PEN CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	HIGH	2004	PP - 34/36 Potentially impaired; VP - 21/22 Verified

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Lower St. Johns Group 2/Northeast District-Verified List
Hydrologic Unit: St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentrations Causing Impairment	Priority for TMDL Development	Projected Year for TMDL Development	COMMENTS (When Data is Available) PPS Planning Review (Date Verified Period)
03 249	Lower St. Johns River	2322	BUTCHER PEN CREEK	STREAM	3F	NUTRIENTS (CHLA)	TN = 1.140 mg/l	HIGH	2004	PP - Chla Insufficient data VP - Chla verified Annual average Chla over 20 ug/l in 2002. Nitrogen limitation based upon PP TN/TP ratio mean 8.7, median 8.5, std dev 0.42 (3 values) VP TN/TP ratio mean 5.7, median 6.3, std dev 2.24 (13 values).
03 2500	Lower St. Johns River	2324	FISHING CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	HIGH	2004	PP - 26/126 Not Impaired; VP - 39/125 Verified Nitrogen and phosphorus levels during both the PP (Median 3.0 mg/l, 0.5 mg/l) and the VP (medians 3.6 mg/l, 1.2 mg/l) were above screening levels.
03 2501	Lower St. Johns River	2324	FISHING CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 53/65 Potentially impaired; VP - 22/40 Verified
03 2502	Lower St. Johns River	2326	GOODBYS CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 41/106 Potentially impaired; VP - 33/80 Verified Linked to elevated TP during the PP (0.23 mg/l) and elevated BOD during the VP (2.7 mg/l).
03 2503	Lower St. Johns River	2326	GOODBYS CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	HIGH	2004	PP - 26/39 Potentially impaired; VP - 11/23 Verified
03 2504	Lower St. Johns River	2356	BIG DAVIS CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 14/39 Potentially impaired; VP - 5/25 Verified
03 2505	Lower St. Johns River	2361	DEEP BOTTOM CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 34/34 Potentially impaired; VP - 23/24 Verified
03 2506	Lower St. Johns River	2361	DEEP BOTTOM CREEK	STREAM	3F	TOTAL COLIFORMS	> 2400 colonies per 100 ml	MEDIUM	2008	PP - 19/22 Potentially impaired; VP - 19/22 Verified
03 2507	Lower St. Johns River	2365	DURBIN CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	HIGH	2004	PP - 162/224 Potentially impaired; VP - 123/168 Verified. Linked to nutrients based on elevated algal biomass.
03 2508	Lower St. Johns River	2365	DURBIN CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	HIGH	2004	PP - 33/109 Potentially impaired; VP - 15/64 Verified

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Lower St. Johns Group 2/Northeast District-Verified List
Hydrologic Unit: St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentrations Causing Impairment	Priority for TMDL Development?	Projected Year for TMDL Development?	COMMENTS (Reference to # Sample) PPS Sampling Period: 1992-1996
03 2509	Lower St. Johns River	2365	DURBIN CREEK	STREAM	3F	NUTRIENTS (HISTCHLA)	TN = 1.091 mg/l TP = 0.073 mg/l	HIGH	2004	PP - Histichla Potentially Impaired; VP - Histichla verified. The historic annual average Chla (1.15 ug/l) for the 1992 - 1996 period was exceeded by more than 50% in 1996 (2.89 ug/l), 1997 (5.7 ug/l), and 1998 (3.32 ug/l). Colimitation of nitrogen and phosphorus based upon PP TN/TP ratio mean 16.8, median 15.0, std dev 8.76 (67 values) VP TN/TP ratio mean 18.4, median 16.4, std dev 12.35 (73 values).
03 2510	Lower St. Johns River	2370	OLDFIELD CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 22/93 Potentially Impaired; VP - 11/26 Verified
03 2511	Lower St. Johns River	2381	CORMORANT CREEK	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 15/31 Potentially Impaired; VP - 8/21 Verified
03 2512	Lower St. Johns River	2382	UNNAMED DRAIN	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 32/49 Potentially Impaired; VP - 24/37 Verified
03 2513	Lower St. Johns River	2382	UNNAMED DRAIN	STREAM	3F	FECAL COLIFORM	> 400 colonies per 100 ml	MEDIUM	2008	PP - 29/30 Potentially Impaired; VP - 14/20 Verified
03 2514	Lower St. Johns River	2385	MANDARIN DRAIN	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	MEDIUM	2008	PP - 23/29 Potentially Impaired; VP - 14/20 Verified
03 2515	Lower St. Johns River	2389	DOCTORS LAKE	LAKE	3F	NUTRIENTS (TSI)	TN = 1.420 mg/l TP = 0.092 mg/l	LOW	2008	PP - TSI potentially impaired; VP - TSI verified. Annual average TSI exceeded 60 in 1996 - 2002. Colimitation of N and P based on median TN/TP ratio of 16 (578 values) during the PP and 15.3 (703 values) during the VP.
03 2516	Lower St. Johns River	2410	SWIMMING PEN CREEK	STREAM	3F	NUTRIENTS (CHLA)	TN = 1.596 mg/l TP = 0.095 mg/l	LOW	2008	PP - Chla potentially impaired; VP - Chla verified. Annual average Chla exceeded 20 ug/l in 1996 - 2001. Colimitation of N and P based on median TN/TP ratio of 18 (75 values) during PP and 16.9 (82 values) during the VP.
04 0828	Lower St. Johns River	2415A	BLACK CREEK ABOVE ST JOHNS RIVER	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 83/116 Potentially Impaired; VP - 38/61 Verified. Linked to elevated TP (mean = 0.28 mg/L)

5/27/04
JLC

Lower St. Johns Group 2/Northeast District-Verified List
Hydrologic Unit: St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentrations Causing Impairment	Priority for TMDL Development	Projected Year for TMDL Development	COMMENTS (# Parameters Not Impaired) After Reopening Review: VP - (verified/linked)
03 2517	Lower St. Johns River	2423	MILL LOG CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 24/77 Potentially Impaired; VP - 30/93 Verified. Linked to elevated TN (2.06 mg/l) and TP (1.87 mg/l) during the PP and elevated TN (2.06 mg/l) and TP (1.87 mg/l) during the VP.
03 2518	Lower St. Johns River	2423	MILL LOG CREEK	STREAM	3F	IRON	> 1.0 mg/l	MEDIUM	2008	PP - 9/42 Potentially Impaired; VP - 16/66 Verified
03 2519	Lower St. Johns River	2423	MILL LOG CREEK	STREAM	3F	LEAD	> e ^{1.273(LNH+4.705)}	MEDIUM	2008	PP - 5/38 Not Impaired; VP - 11/60 Verified
03 2520	Lower St. Johns River	2424	BRADLEY CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 19/49 Potentially Impaired; VP - 29/78 Verified. Linked to elevated TN levels during both the PP and VP (4.33 and 4.01 mg/l, respectively)
03 2522	Lower St. Johns River	2424	BRADLEY CREEK	STREAM	3F	LEAD	> e ^{1.273(LNH+4.705)}	MEDIUM	2008	PP - 3/11 Potentially Impaired; VP - 8/21 Verified
03 2523	Lower St. Johns River	2460	MILL CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	LOW	2008	PP - 2/4 Insufficient data VP - 12/22 Verified Linked to nutrients based on elevated algal biomass.
03 2524	Lower St. Johns River	2460	MILL CREEK	STREAM	3F	NUTRIENTS (CHLA)	TN = 1.260 mg/l	LOW	2008	PP - Chla insufficient data VP - Chla verified Nitrogen limiting based on the TN/TP median of 2.5 (1 values) during the PP and a median of 7.9 (11 values) during the VP.
03 2525	Lower St. Johns River	2538	CEDAR CREEK	STREAM	3F	NUTRIENTS (CHLA)	TN = 1.311 mg/l TP = 0.063 mg/l	MEDIUM	2008	PP - Chla potentially Impaired; VP - Chla verified. Annual average Chla over 20 ug/l in 1998, 1999, 2001, and 2002. Nitrogen and Phosphorus colimiting based on the TN/TP median of 21 (30 values) during the PP and a median of 20.8 (52 values) during the VP.
03 2526	Lower St. Johns River	2540	MOCCASIN BRANCH	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	HIGH	2004	PP - 58/149 Potentially Impaired; VP - 33/116 Verified. Linked to elevated TP above the screening level for both the PP and VP (PP median 0.236 mg/l, VP median 0.223 mg/l).

5/27/04
ALC

Lower St. Johns Group 2/Northeast District-Verified List
Hydrologic Unit: St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentrations Causing Impairment	Priority for TMDL Development?	Projected Year for TMDL Development?	Comments ² (See Appendix 2 for details) PP = Planning Period, VP = Verified Period
03 2527	Lower St. Johns River	2543F	LAKE ROSS	LAKE	3F	NUTRIENTS (TSI)	TP = 0.067 mg/l	MEDIUM	2008	PP - No data VP - TSI verified. Annual average TSI exceeded 60 in 2002. Based upon the TN/TP ratio plot and the ratio median value of 26.3 (48 values) phosphorus is the primary limiting nutrient.
03 2528	Lower St. Johns River	2549	DEEP CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	HIGH	2004	PP - 10/1/18 Potentially impaired; VP - 6/5/78 Verified. Linked to elevated TP based upon levels above the screening level during PP (median 0.48 mg/l) and VP (median 0.39 mg/l).
03 2529	Lower St. Johns River	2549	DEEP CREEK	STREAM	3F	NUTRIENTS (CHLA)	TN = 1.580 mg/l	HIGH	2004	PP - Histichia potentially impaired; VP - Histichia verified Annual average Chla for verified period (5.43 ug/l) exceeded the historic annual average Chla (3.19 ug/l). Nitrogen limiting based on TN/TP median of 3.3 (408 values) during the PP and a median of 4.2 (283 values) during the VP.
03 2530	Lower St. Johns River	2561	UNNAMED DITCHES	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 7/30 Potentially impaired; VP - 9/44 Verified Linked to elevated TP levels in both the PP and VP (0.24 and 0.24 mg/l, respectively).
03 2531	Lower St. Johns River	2569	WEST RUN INTERCEPTOR D	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	HIGH	2004	PP - 7/6/161 Potentially impaired; VP - 5/3/129 Verified. Linked to elevated TP based upon levels above the screening level during PP (median 0.23 mg/l).
03 2532	Lower St. Johns River	2571	UNNAMED DITCH	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 10/37 Potentially impaired; VP - 15/56 Verified Linked to elevated TP levels in both the PP and VP (0.29 and 0.31 mg/l, respectively).
03 2533	Lower St. Johns River	2575Q	CUE LAKE	LAKE	3F	MERCURY- FISH	> 0.5 ppm	LOW	2011	Tissue values average 0.77 ppm in 20 samples in 2000.
03 2534	Lower St. Johns River	2578	DOG BRANCH	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	LOW	2008	PP - 7/6/148 Potentially impaired; VP - 5/2/113 Verified Linked to elevated TP based on levels above the screening level during both the PP and VP (0.26 and 0.24 mg/l, respectively).

5/27/04
JAC

Lower St. Johns Group 2/Northeast District-Verified List
Hydrologic Unit: St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentrations Causing Impairment	Priority for TMDL Development?	Projected Year for TMDL Development?	Comments (Exceedance(s) & Summary) PP = Pending Permit, VP = Verified Point
03 2535	Lower St. Johns River	2583	COW BRANCH	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 22/38 Potentially Impaired; VP - 34/59 Verified. Linked to elevated TP based on levels above the screening level during both the PP and VP (0.34 and 0.34 mg/l, respectively).
03 2536	Lower St. Johns River	2589	SIXTEENMILE CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	LOW	2008	PP - 30/82 Potentially Impaired; VP - 33/121 Verified. Linked to nutrients based on elevated algal biomass.
03 2537	Lower St. Johns River	2589	SIXTEENMILE CREEK	STREAM	3F	NUTRIENTS (CHLA)	TN = 1,583 mg/l	LOW	2008	PP - No data VP - Chla verified. Annual average Chla exceeded 20 ug/l in 2002. Nitrogen limiting based on TN/TP median of 9.9 (76 values) during the PP and a median of 6.8 (128 values) during the VP.
03 2538	Lower St. Johns River	2592	MILL BRANCH	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	HIGH	2004	PP - 5/5 Potentially Impaired; VP - 8/22 Verified. Linked to nutrients based on elevated TP above screening level during the PP and VP (1.2 mg/l and 0.23 mg/l, respectively). Annual average Chla in 2002 was above 20 ug/l (73.8 ug/l).
03 2539	Lower St. Johns River	2592	MILL BRANCH	STREAM	3F	FECAL COLIFORMS	> 400 colonies per 100 ml	HIGH	2004	PP - 4/5 Potentially Impaired; VP - 16/20 Verified

5/22/04
5/22/04

Lower St. Johns Group 2/Northeast District-Verified List
Hydrologic Unit: St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentrations Causing Impairment	Priority for TMDL Development	Projected Year for TMDL Development	COMMENTS (When the TMDL is developed, please include the period for which the TMDL was verified.)
03 2540	Lower St. Johns River	2592	MILL BRANCH	STREAM	3F	NUTRIENTS (CHLA) ⁵	TN = 1.300 mg/l	HIGH	2004	PP - Insufficient data VP - Chla verified. Annual average Chla over 20 ug/l in 2002. Nitrogen limitation based on PP TN/TP ratio mean 1.1, median 1.1, std dev 0.1 (value) VP TN/TP ratio mean 9.8, median 5.9, std dev 14.1 (11 values).
03 2541	Lower St. Johns River	2606A	DUNNS CREEK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 5/4/218 Potentially impaired; VP - 39/180 Verified. Linked to nutrients based on elevated algal biomass.
03 2542	Lower St. Johns River	2606A	DUNNS CREEK	STREAM	3F	NUTRIENTS (CHLA)	TP = 0.072 mg/l	MEDIUM	2008	PP - Chla potentially impaired; VP - Chla verified. Annual average Chla exceeded 20 ug/l in 1996, 1997, and 1999 - 2001. Phosphorus limiting based on median TN/TP ratios of 22 (152 values) during the PP and 21.3 (180 values) during the VP.
03 2543	Lower St. Johns River	2606B	CRESCENT LK	LAKE	3F	IRON	> 1.0 mg/l	MEDIUM	2008	PP - 10/19 Potentially impaired; VP - 28/51 Verified
03 2544	Lower St. Johns River	2606B	CRESCENT LK	LAKE	3F	NUTRIENTS (TSI)	TN = 1.383 mg/l TP = 0.083 mg/l	MEDIUM	2008	PP - TSI potentially impaired; VP - TSI verified. Annual average TSI exceeded 60 in 1997, 1999, and 2000. N and P collimating based on median TN/TP ratios of 16 (528 values) during the PP and 17.1 (651 values) during the VP.
03 2545	Lower St. Johns River	2622A	HAW CK AB CRESCENT LK	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	HIGH	2004	PP - 47/73 Potentially impaired; VP 27/40 Verified. Linked to nutrients based on elevated algal biomass.
03 2546	Lower St. Johns River	2622A	HAW CK AB CRESCENT LK	STREAM	3F	IRON	> 1.0 mg/l	HIGH	2004	PP - 21/52 Potentially impaired; VP - 14/36 Verified
03 2547	Lower St. Johns River	2622A	HAW CK AB CRESCENT LK	STREAM	3F	NUTRIENTS (CHLA)	TN = 1.469 mg/l TP = 0.084 mg/l	HIGH	2004	PP - Chla potentially impaired; VP - Chla verified. Annual average Chla exceeded 20 ug/l in 2000 and 2001. Collimation of nitrogen and phosphorus based on PP TN/TP ratio mean 18.6, median 17, std dev 7.62 (70 values) VP TN/TP ratio mean 18.5, median 15.6, std dev 8.25 (63 values).

5/27/04
S/C

Lower St. Johns Group 2/Northeast District-Verified List
Hydrologic Unit: St. Johns Lower

OCG Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentrations Causing Impairment ¹	Priority for TMDL Development ²	Projected Year for TMDL Development ²	COMMENTS ³ (If Development is Required) PP - Planning Period; VP - Verified Period
03 2548	Lower St. Johns River	2630A	LITTLE HAW CREEK	STREAM	3F	IRON	> 1.0 mg/l	HIGH	2004	PP - 15/42 Potentially impaired; VP - 12/34 Verified
03 2549	Lower St. Johns River	2630B	LAKE DISSTON	LAKE	3F	IRON	> 1.0 mg/l	MEDIUM	2008	PP - 12/46 Potentially impaired; VP - 7/35 Verified
03 2550	Lower St. Johns River	2630B	LAKE DISSTON	LAKE	3F	MERCURY-FISH	> 0.5 ppm	LOW	2011	Tissue levels in 20 samples averaged 1.14 ppm in 2001
04 0826	Lower St. Johns River	2630B	LAKE DISSTON	LAKE	3F	SELENIUM	> 5.0 ug/l	MEDIUM	2008	PP - 9/33 Potentially impaired; VP - 7/35 Verified
03 2551	Lower St. Johns River	2630C	LITTLE HAW SPRING	STREAM	3F	DISSOLVED OXYGEN	< 5.0 mg/l	MEDIUM	2008	PP - 8/10 Potentially impaired; VP - 22/27 Verified. Believed linked to elevated TN during both the PP and VP.
03 2552	Lower St. Johns River	2630I	SOUTH LAKE TALMADGE	LAKE	3F	NUTRIENTS (TSI)	TP = 0.022 mg/l	MEDIUM	2008	PP - TSI not impaired; VP - TSI Verified. Annual average TSI exceeded 60 in 2002. Phosphorus limited based upon TN/TP ratio plots and median of 50 (108 values) over the verified period.
03 2553	Lower St. Johns River	2680A	LAKE MOLLY	LAKE	3F	NUTRIENTS (TSI)	TP = 0.036 mg/l	MEDIUM	2008	PP - TSI potentially impaired; VP - TSI verified. Annual average TSI exceeded 60 in 2000 and 2001. Phosphorus limiting based on the TN/TP median of 28 (66 values) during the PP and a median of 26.8 (99 values) during the VP.
03 2554	Lower St. Johns River	8998	FLORIDA ATLANTIC COAST	COASTAL	3M	MERCURY (FISH)	> 0.5 ppm	LOW	2011	Statewide coastal mercury advisory issued for king mackerel, spotted seatrout, and shark in 2002. Advisory applies to WBIDs 8126 and 8126A - 8126G.

1. Concentrations for nutrients represent median values; mercury in fish represent mercury advisory levels in fish tissue; criteria for hardness based metals are based upon total hardness (H) expressed as mg/L of CaCO₃.

2. Where a parameter was 1998 303(d) listed, the priority shown for it in the 1998 303(d) list was retained (high or low). Where a parameter was only identified as impaired under the IWR, priorities of high, medium or low were used. Waterbodies where Mercury (in fish tissue) has been identified as impaired under the IWR, have been given a medium priority and a TMDL is scheduled for 2011.

3. PP - Planning period represents 1/1991 - 12/2000 VP - Verified period represents 1/1996 - 6/2003.

Assessment based on IWR Run 14.2.

5/18/04
JSC

Middle St. Johns Group 2 Basin/Central District - Verified List
Hydrologic Units: St. Johns River, Upper

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the IWR	Concentrations Causing Impairment ¹	Priority for TMDL Development ²	Projected Year for TMDL Development ²	Comments ³ (¹ Exceedences # Samples) PP= Planning Period, VP= Verified Period
03 2555	Middle St. Johns	22130	St. Johns River Above Ocklawaha River	Stream	3F	Nutrients (Chla)	TN = 1.55 mg/L TP = 0.06 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 25 (77 values) during the PP and a median of 25 (93 values) during the VP. PP - 3 chla annual means exceeded 20 ug/l (1998-2000). VP - 5 chla annual means exceeded 20 ug/l (1998-2002). 93 TN values, median 1.55 mg/L, 93 TP values, median 0.06 mg/L.
03 2556	Middle St. Johns	2892	Lake Margaret	Lake	3F	Mercury (in fish tissue)	> 0.5 ppm	Medium	2011	Mercury (in fish tissue) met verification threshold of IWR. Fish tissue levels in 20 samples averaged 0.7830 ppm in 2002.
03 2557	Middle St. Johns	2893A	Lake George	Lake	3F	Nutrients (TSI)	TN = 1.17 mg/L TP = 0.07 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 20 (579 values) during the PP and a median of 21 (551 values) during the VP. PP - 9 TSI annual means exceeded 60 (1991-1992, 1994-2000). VP - 7 TSI annual means exceeded 60 (1996-2002). 223 TN values, median 1.17 mg/L, 771 TP values, median 0.07 mg/L.
03 2559	Middle St. Johns	2893A1	St. Johns River Below Lake George	Stream	3F	Nutrients (Chla)	TN = 1.47 mg/L TP = 0.06 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median 24 (235 values) during the PP and a median of 24 (140 values) during the VP. PP - 7 chla annual means exceeded 20ug/l (1994-2000). VP - 7 chla annual means exceeded 20ug/l (1996-2002). 140 TN values, median 1.47 mg/L, 140 TP values, 0.06 mg/L.
03 2560	Middle St. Johns	2893A2	St. Johns River Above Lake George	Stream	3F	Dissolved Oxygen	< 5.0 mg/L	Medium	2008	PP - 37/112 values below DO criterion. VP - 21/73 values below DO criterion. DO met verification threshold of IWR and nutrients are the causative pollutant. 200 DO values, median 5.68 mg/L, mean 5.69 mg/L, range 0.28 - 9.23 mg/L.
03 2561	Middle St. Johns	2893A2	St. Johns River Above Lake George	Stream	3F	Nutrients (Chla)	TN = 1.13 mg/L TP = 0.07 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 17 (120 values) in the PP and a median of 16 (80 values) in the VP. PP - 3 chla annual means exceeded 20 ug/l (1992, 1993, 1999), 123 TN values, median 1.19 mg/L, 124 TP values, median 0.07 mg/L. VP - 1 chla annual mean exceeded 20 ug/l (1999), 83 TN values, median 1.132 mg/L, 80 TP values, median 0.07 mg/L.

3/27/04
JAC

DGC Case Number	Basin Group Name	WAPD	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the IWR	Concentrations Causing Impairment	Priority for TMDL Development?	Projected Year for TMDL Development	Comments ² (# Exceedances / # Samples) PP - Planning Period; VP - Verified Period
03 2562	Middle St. Johns	2893C	St. Johns River Above Wekiva River	Stream	3F	Nutrients (Chla)	TN = 1.42 mg/L TP = 0.08 mg/L	Low	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 18 (326 values) during the PP and a median of 18 (189 values) during the VP. PP - 5 chla annual means exceeded 20 ug/l (1991-1993, 1999-2000). 327 TN values, median 1.41 mg/l. 327 TP values, median 0.08 mg/l. VP - 2 chla annual means exceeded 20 ug/l (1999-2000). 190 TN values, median 1.42 mg/l. 190 TP values, median 0.08 mg/l.
03 2563	Middle St. Johns	2893D [Called 2893D (& 2893C) on 1998 303(d) list]	Lake Monroe	Lake	3F	Dissolved Oxygen	< 5.0 mg/L	Low	2008	PP - 78/344 values below DO criterion. VP - 39/193 values below DO criterion. DO met verification threshold of IWR and nutrients are the causative pollutant. 621 DO values, median 6.59 mg/L, mean 6.49 mg/L, range 0.08 - 11.2 mg/L.
03 2564	Middle St. Johns	2893D [Called 2893D (& 2893C) on 1998 303(d) list]	Lake Monroe	Lake	3F	Nutrients (TSI)	TN = 1.51 mg/L TP = 0.08 mg/L	Low	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 20 (389 values) in the PP and a median of 20 (320 values) in the VP. PP - 3 TSI annual means exceeded 60 (1998-2000). VP - 4 TSI annual means exceeded 60 (1998-2001). 327 TN values, median 1.51 mg/L. 321 TP values, median 0.08 mg/L.
03 2565	Middle St. Johns	2893E	St. Johns River Above Lake Monroe	Stream	3F	Dissolved Oxygen	< 5.0 mg/L	Medium	2008	DO met verification threshold of IWR, and nutrients are the causative pollutant. PP - 38/101 values below DO criterion. VP - 24/77 values below criterion. 262 DO values below criterion, mean 5.18 mg/l, median 5.36 mg/l, range 0.43 - 10.76.
03 2566	Middle St. Johns	2893E	St. Johns River Above Lake Monroe	Stream	3F	Nutrients (Chla)	TN = 1.39 mg/L TP = 0.08 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 19 (102 values) in the PP and a median of 18 (80 values) in the VP. PP - 0 Chla annual means exceeded 20 ug/l. VP - 1 Chla annual means exceeded 20 ug/l (2002). 82 TN values, median 1.39 mg/L. 81 TP values, median 0.08 mg/L.
03 2567	Middle St. Johns	2893F	St. Johns River Above Lake Jesup	Stream	3F	Dissolved Oxygen	< 5.0 mg/L	Medium	2008	DO met verification threshold of IWR and nutrients are the causative pollutant. PP - 31/157 values below DO criterion. VP - 24/129 values below DO criterion. 254 DO values, median 6.27 mg/L, mean 6.16 mg/L, range 0.93 - 11.71 mg/L.

5/27/04
K/C

Middle St. Johns Group 2 Basin/Central District - Verified List
Hydrologic Units: St. Johns River, Upper

O&C Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the IWR	Concentrations Causing Impairment	Priority for TMDL Development	Projected Year for TMDL Development	Comments (# Exceedences / # Samples) PP = Planning Period, VP = Verified Period
03 2568	Middle St. Johns	2893F	St. Johns River Above Lake Jesup	Stream	3F	Nutrients (Current and Historic Chla)	TN = 1.36 mg/L TP = 0.07 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 22 (178 values) in the PP and a median of 21 (149 values) in the VP. PP - 1 chla annual mean exceeded 20 ug/l (2000), 181 TN values, median 1.328 mg/L. 182 TP values, median 0.06 mg/L. VP - 2 chla annual means exceeded 20 ug/l (2000-2001), 152 TN values, median 1.364 mg/L. 152 TP values, median 0.07 mg/L. 4 consecutive years (1999-2002) in the verified period exceeded the historic value 4.98 ug/l (historic time block: 1992-1996) by more than 50%. This historic chla value is based on new information not present in IWR2002 Run14.2.
03 2569	Middle St. Johns	2893U	Lake Beresford	Lake	3F	Nutrients (TSI)	TN = 1.26 mg/L TP = 0.07 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 19 (411 values) in the PP and a median of 18 (272 values) in the VP. PP - 7 TSI annual means exceeded 60 (1992-1994, 1996, 1997, 1999, 2000). VP - 6 TSI annual means exceeded 60 (1996, 1997, 1999-2002). 373 TN values, median 1.26 mg/L. 492 TP values, median 0.07 mg/L.
03 2570	Middle St. Johns	2905C	Wildcat Lake	Lake	3F	Mercury (in fish tissue)	> 0.5 ppm	Medium	2011	Mercury (in fish tissue) met verification threshold of IWR. Fish tissue levels in 20 samples averaged 0.8480 ppm in 2000.
03 2571	Middle St. Johns	2916B	Grasshopper Lake	Lake	3F	Mercury (in fish tissue)	> 0.5 ppm	Medium	2011	Mercury (in fish tissue) met verification threshold of IWR. Fish tissue levels in 20 samples averaged 1.55 ppm in 2000.
03 2572	Middle St. Johns	2925	Deep Creek - Lake Ashby Canal	Stream	3F	Cadmium	> e (0.7852[lnH]-3.49)	Low	2008	PP - 7/40 values exceed criterion. VP - 7/34 values exceed criterion.
03 2573	Middle St. Johns	2925	Deep Creek - Lake Ashby Canal	Stream	3F	Iron	> 1.0 mg/L	Low	2008	PP - 22/40 values exceed criterion. VP - 21/43 values exceed criterion.
03 2574	Middle St. Johns	2925	Deep Creek - Lake Ashby Canal	Stream	3F	Lead	> e (1.273[lnH]-4.705)	Low	2008	PP - 12/27 values exceed criterion. VP - 6/22 values exceed criterion.
03 2576	Middle St. Johns	2931	Lake Winnemisset	Lake	3F	Lead	> e (1.273[lnH]-4.705)	Medium	2008	PP - 8/26 values exceed criterion. VP - 6/21 values exceed criterion.
03 2577	Middle St. Johns	2934A	Cowpen Pond	Lake	3F	Mercury (in fish tissue)	> 0.5 ppm	Medium	2011	Mercury (in fish tissue) met verification threshold of IWR. Fish tissue levels in 20 samples averaged 0.9135 ppm in 2000.

5/21/04
JAC

Middle St. Johns Group 2 Basin/Central District - Verified List
Hydrologic Units: St. Johns River, Upper

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the IWR	Concentrations Causing Impairment ¹	Priority for TMDL Development ²	Projected Year for TMDL Development ³	Comments ³ (# Exceedances / # Samples) PP = Planning Period; VP = Verified Period
03 2578	Middle St. Johns	2951	Lake Marie	Lake	3F	Nutrients (TSI)	TN = 1.04 mg/L TP = 0.05 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 26 (66 values) during the PP and a median of 24 (48 values) during the VP. PP - 1 TSI annual mean exceeded 60 (1996). VP - 1 TSI annual mean exceeded 60 (1996). 48 TN values, median 1.04 mg/L. 48 TP values, median 0.05 mg/L.
03 2579	Middle St. Johns	2962	Smith Canal	Stream	3F	Dissolved Oxygen	< 5.0 mg/L	Low	2008	PP - 2/7 values below DO criterion. VP - 16/31 values below DO criterion. DO met verification threshold of IWR and BOD is the causative pollutant. BOD median = 2.1mg/l. 36 DO values, median 5.21 mg/l, mean 5.31 mg/l, range 1.99 - 10.17mg/l.
03 2580	Middle St. Johns	2962	Smith Canal	Stream	3F	Fecal Coliform Bacteria	> 400 per 100 ml	Low	2008	PP - 1/4 values exceed criterion. VP - 8/30 values exceed criterion. Coliform median 247 colonies/100 ml, range 1-870 colonies/100 ml. No more than 2 values per month.
04 2949	Middle St. Johns	2962	Smith Canal	Stream	3F	Iron	> 1.0 mg/L	Low	2008	PP - 0/1 values exceed criterion. VP - 7/22 values exceed criterion.
03 2581	Middle St. Johns	2964A	Lake Harney	Lake	3F	Dissolved Oxygen	< 5.0 mg/L	Low	2008	PP - 90/306 values below DO criterion. VP - 31/121 values below DO criterion. DO met verification threshold of IWR and nutrients are the causative pollutant. 509 DO values, median 6.27 mg/L, mean 6.32 mg/L, range 11.8 - 0.42 mg/L.
03 2582	Middle St. Johns	2964A	Lake Harney	Lake	3F	Mercury (in fish tissue)	> 0.5 ppm	Medium	2011	Mercury (in fish tissue) met verification threshold of IWR. Fish tissue levels in 20 samples averaged 0.5420 ppm in 2000.
03 2583	Middle St. Johns	2964A	Lake Harney	Lake	3F	Nutrients (TSI)	TN = 1.28 mg/L TP = 0.05 mg/L	Low	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 24 (541 values) during the PP and a median of 19 (242 values) during the VP. PP - 1 TSI annual mean exceeded 60 (2000). VP - 2 TSI annual means exceeded 60 (2000-2001). 548 TN values, median 1.28 mg/L. 554 TP values, median 0.052 mg/L.
03 2584	Middle St. Johns	2973	DeForest Lake Outlet	Stream	3F	Dissolved Oxygen	< 5.0 mg/L	Medium	2008	PP - 12/17 values below DO criterion. VP - 17/25 values below DO criterion. DO met verification threshold of IWR and BOD is causative pollutant (BOD median = 3.8 mg/L). 25 DO values, median 3.5 mg/L, mean 3.89 mg/L, range 1.46 - 7.1 mg/L.

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Middle St. Johns Group 2 Basin/Central District - Verified List
Hydrologic Units: St. Johns River, Upper

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the IWR	Concentrations Causing Impairment	Priority for TMDL Development?	Projected Year for TMDL Development?	Comments ³ (# Exceedances / # Samples) PP = Planning Period, VP = Verified Period.
03 2585	Middle St. Johns	2973F	DeForest Lake	Lake	3F	Nutrients (TSI)	TN = 0.86 mg/L TP = 0.03 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 33 (36 values) in the PP and a median of 33 (44 values) in the VP. PP - 1 TSI annual mean exceeded 60 (1999). VP - 1 TSI annual mean exceeded 60 (1999). 18 TN values, median 0.86 mg/L. 44 TP values, median 0.027 mg/L.
03 2586	Middle St. Johns	2981	Lake Jesup	Lake	3F	Nutrients (TSI)	TN = 2.47 mg/L TP = 0.15 mg/L	High	2004	Colimitation of nitrogen and phosphorus based on a TN/TP median of 16 (1077 values) in the PP and a median of 18 (829 values) in the VP. PP - 10 TSI annual means exceeded 60 (1991-2000). VP - 7 TSI annual means exceeded 60 (1996-2002). 198 TN values, median 2.47 mg/L. 1279 TP values, median 0.15 mg/L.
03 2587	Middle St. Johns	2981	Lake Jesup	Lake	3F	Un-ionized Ammonia	> 0.02 mg/L	High	2004	PP - 47/283 values exceed criterion. VP - 27/154 values exceed criterion.
03 2588	Middle St. Johns	2981A	Lake Jesup Near St. Johns River	Lake	3F	Nutrients (TSI)	TN = 1.26 mg/L TP = 0.11 mg/L	High	2004	Colimitation of nitrogen and phosphorus based on a TN/TP median of 19 (100 values) during the PP and a median of 20 (86 values) during the VP. PP - 5 TSI annual means exceeded 60 (1995-1999). VP - 4 TSI annual means exceeded 60 (1996-1999). 68 TN values, median 2.2 mg/L. 109 TP values, median 0.11 mg/L.
03 2589	Middle St. Johns	2985	Chub Creek	Stream	3F	Dissolved Oxygen	< 5.0 mg/L	Medium	2008	PP - 58/67 values below DO criterion. VP - 40/47 values below DO criterion. DO met verification threshold of IWR, and nitrogen and phosphorus are causative pollutants (TN median = 2.3 mg/L, TP median = 0.37 mg/L). 68 DO values, median 1.99 mg/L, mean 2.61 mg/L, range 8.55 - 0.29 mg/L.
03 2590	Middle St. Johns	2985	Chub Creek	Stream	3F	Iron	> 1.0 mg/L	Medium	2008	PP - 15/44 values exceed criterion. VP - 15/44 values exceed criterion.
03 2591	Middle St. Johns	2985	Chub Creek	Stream	3F	Nutrients (Chla)	TN = 2.3 mg/L TP = 0.37 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 10 (67 values) during the PP and a median of 10 (47 values). PP - 3 chla annual means exceeded 20 ug/l (1995-1997). VP - 2 chla annual means exceeded 20 ug/l (1996-1997). 47 TN values, median 2.3 mg/L. 68 TP values, median 0.37 mg/L.

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Middle St. Johns Group 2 Basin/Central District - Verified List
Hydrologic Units: St. Johns River, Upper

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the IWR	Concentrations Causing Impairment ¹	Priority for TMDL Development ²	Projected Year for TMDL Development ²	Comments ³ (# Exceedances / # Samples) PP = Planning Period, VP = Verified Period
03 2592	Middle St. Johns	2986D	Lake Alma	Lake	3F	Nutrients (TSI)	TN = 2.2 mg/L TP = 0.16 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 14 (98 values) during the PP and a median of 14 (98 values) during the VP. PP - 4 TSI annual means exceeded 60 (1997-2000). VP - 4 TSI annual means exceeded 60 (1997-2000). 99 TN values, median 2.2 mg/L, mean 2.28 mg/L. 98 TP values, median 0.16 mg/L, mean 0.18 mg/L.
03 2593	Middle St. Johns	2986E	Lake Searcy	Lake	3F	Nutrients (TSI)	TN = 1.23 mg/L TP = 0.05 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 25 (105 values) in the PP and a median of 22 (174 values) in the VP. PP - 3 TSI annual means exceeded 60 (1998-2000). VP - 5 TSI annual means exceeded 60 (1998-2002). 174 TN values, median 1.17 mg/L, mean 1.23 mg/L. 174 TP values, median 0.05 mg/L, mean 0.06 mg/L.
03 2594	Middle St. Johns	2987	Little Wekiva River	Stream	3F	Fecal Coliform Bacteria	> 400 per 100 ml	Low	2008	PP - 23/49 values exceed criterion. VP - 20/44 values exceed criterion. Coliform median 420 colonies/100ml, range 1.0 - 5800 colonies/100ml. No more than 5 values per month.
03 2595	Middle St. Johns	2987	Little Wekiva River	Stream	3F	Total Coliform Bacteria	> 2400 per 100 ml	Low	2008	PP - 9/33 values exceed criterion. VP - 5/24 values exceed criterion. Coliform median 2000 colonies/100ml, range 120 - 24,000 colonies/100ml. No more than 5 values per month.
03 2596	Middle St. Johns	2987A	Spring Lake	Lake	3F	Nutrients (TSI)	TP = 0.04 mg/L	Medium	2008	Phosphorus limited based on a TN/TP median of 37 (228 values) in the PP and a median of 37 (230 values) in the VP. PP - 6 TSI annual means exceeded 60 (1995-2000). VP - 7 TSI annual means exceeded 60 (1996-2002). 261 TN values, median 1.53 mg/L, mean 1.55 mg/L. 275 TP values, median 0.041 mg/L, mean 0.04 mg/L.
03 2597	Middle St. Johns	2990	Salt Creek	Stream	3F	Dissolved Oxygen	< 5.0 mg/L	Medium	2008	PP - 66/94 values below DO criterion. VP - 44/72 values below DO criterion. DO met verification threshold of IWR and nitrogen is causative pollutant (TN median = 1.71 mg/L). 97 DO values, median 3.1 mg/L, mean 3.74 mg/L, range 0.17 - 10 mg/L.
03 2598	Middle St. Johns	2990	Salt Creek	Stream	3F	Iron	> 1.0 mg/L	Medium	2008	PP - 15/67 values exceed criterion. VP - 15/67 values exceed criterion.

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Middle St. Johns Group 2 Basin/Central District - Verified List
Hydrologic Units: St. Johns River, Upper

OCG Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the IWR	Concentrations Causing Impairment	Priority for TMDL Development	Projected Year for TMDL Development	Comments (# Exceedances, # Samples) PP=Planning Period, VP=Verified Period
03 2599	Middle St. Johns	2990	Salt Creek	Stream	3F	Nutrients (Chla)	TN = 1.71 mg/L	Medium	2008	Nitrogen limited based on a TN/TP median of 8 (97 values) in the PP and a median of 8 (75 values) in the VP. PP - 1 chla annual mean exceeded 20 ug/l (1998). VP - 1 chla annual mean exceeded 20 ug/l (1998). 75 TN values, median 1.71 mg/L. 97 TP values, median 0.21 mg/L.
03 2600	Middle St. Johns	2991	Econlockhatchee River	Stream	3F	Fecal Coliform Bacteria	> 400 per 100 ml	Medium	2008	PP - 16/116 values exceed criterion. VP - 5/21 values exceed criterion. Coliform median 110 colonies/100ml, range 10 - 2301 colonies/100ml. No more than 3 values per month.
03 2602	Middle St. Johns	2992	Sweetwater Creek	Stream	3F	Dissolved Oxygen	< 5.0 mg/L	Medium	2008	PP - 88/100 values below DO criterion. VP - 74/93 values below DO criterion. DO met verification threshold of IWR and phosphorus is causative pollutant (TP median = 0.31 mg/L). 158 DO values, median 3.2 mg/L, mean 3.47 mg/L, range 0.15 - 9.71 mg/L. 1 failed bioassessment in 1997.
03 2603	Middle St. Johns	2994D	Island Lake	Lake	3F	Nutrients (TSI)	TP = 0.05 mg/L	Medium	2008	Phosphorus limited based on a TN/TP median of 36 (12 values) during the VP. PP - 0 TSI annual means exceeded 60. VP - 1 TSI annual mean exceeded 60 (2007). 12 TP values, median 0.05 mg/L, mean 0.28 mg/L.
03 2604	Middle St. Johns	2994Y	Fruitwood Lake	Lake	3F	Nutrients (TSI)	TN = 0.84 mg/L TP = 0.05 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 17 (224 values) during the PP and a median of 17 (84 values) during the VP. PP - 4 TSI annual means exceeded 60 (1993-1996). VP - 1 TSI annual mean exceeded 60 (1996). 224 TN values, median 0.84 mg/L, mean 1.03 mg/L. 224 TP values, median 0.05 mg/L, mean 0.07 mg/L.
03 2605	Middle St. Johns	2997A	Howell Creek	Stream	3F	Fecal Coliform Bacteria	> 400 per 100 ml	Medium	2008	PP - 13/41 values exceed criterion. VP - 9/22 values exceed criterion. Coliform median 200 colonies/100ml, range 10 - 3400 colonies/100ml. No more than 3 values per month.
03 2606	Middle St. Johns	2997A	Howell Creek	Stream	3F	Total Coliform Bacteria	> 2400 per 100 ml	Medium	2008	PP - 7/36 values exceed criterion. VP - 6/22 values exceed criterion. Coliform median 680 colonies/100ml, range 60 - 8900 colonies/100ml. No more than 2 values per month.

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Middle St. Johns Group 2 Basin/Central District - Verified List
Hydrologic Units: St. Johns River, Upper

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the IWR	Concentrations Causing Impairment ¹	Priority for TMDL Development ²	Projected Year for TMDL Development ³	Comments ⁴ (# Exceedances / # Samples) PP= Planning Period, VP= Verified Period
03 2607	Middle St. Johns	2997B	Howell Lake	Lake	3F	Nutrients (TSI)	TN = 0.95 mg/L TP = 0.05 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 19 (197 values) during the PP and a median of 19 (182 values) during the VP. PP - 3 TSI annual means exceeded 60 (1997, 1999, 2000). VP - 4 TSI annual means exceeded 60 (1997, 1999, 2000, 2002). 203 TN values, median 0.95 mg/L, mean 1.03 mg/L. 224 TP values, median 0.05 mg/L, mean 0.06 mg/L.
03 2608	Middle St. Johns	2997D	Lake Minnehaha	Lake	3F	Nutrients (TSI)	TN = 0.79 mg/L TP = 0.04 mg/L	Medium	2008	Colimitation by nitrogen and phosphorus based on a TN/TP median of 22 (321 values) during the PP and a median of 24 (246 values) during the VP. PP - 1 TSI annual means exceed threshold of 60 (1997). VP - 2 TSI annual means exceed threshold of 60 (1997, 2001). 347 TN values, median 0.79 mg/L, mean 0.82 mg/L. 400 TP values, median 0.04 mg/L, mean 0.05 mg/L.
03 2609	Middle St. Johns	2997L	Lake Winyah	Lake	3F	Nutrients (TSI)	TN = 0.81 mg/L TP = 0.06 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 13 (275 values) during the PP and a median of 13 (191 values) during the VP. PP - 7 TSI annual means exceeded 60 (1991-1998). VP - 3 TSI annual means exceeded 60 (1996-1998, 2001). 269 TN values, median 0.81 mg/L, mean 0.85 mg/L. 269 TP values, median 0.061 mg/L, mean 0.06 mg/L.
03 2610	Middle St. Johns	2997P	Lake Concord	Lake	3F	Nutrients (TSI)	TN = 0.71 mg/L TP = 0.04 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 17 (284 values) during the PP and a median of 17 (203 values) during the VP. PP - 2 TSI annual means exceed threshold of 60 (1996, 2000). VP - 2 TSI annual means exceed threshold of 60 (1996, 2000). 254 TN values, median 0.71 mg/L, mean 0.74 mg/L. 313 TP values, median 0.04 mg/L, mean 0.05 mg/L.
03 2611	Middle St. Johns	2997R	Lake Adair	Lake	3F	Nutrients (TSI)	TN = 1.02 mg/L TP = 0.08 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 13 (321 values) during the PP and a median of 15 (231 values) during the VP. PP - 9 TSI annual means exceeded 60 (1991-2000). VP - 5 TSI annual means exceeded 60 (1996-2001) and 1 TSI annual mean exceeded 40 (2002). 337 TN values, median 1.02 mg/L, mean 1.10 mg/L. 333 TP values, median 0.08 mg/L, mean 0.10 mg/L.

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Middle St. Johns Group 2 Basin/Central District - Verified List
Hydrologic Units: St. Johns River, Upper

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the IWR	Concentrations Causing Impairment ¹	Priority for TMDL Development ²	Projected Year for TMDL Development ³	Comments ³ (# Exceedances / # Samples) PP = Planning Period, VP = Verified Period
03 2612	Middle St. Johns	2997S	Lake Spring	Lake	3F	Nutrients (TSI)	TN = 0.01 mg/L TP = 0.07 mg/L	Medium	2008	Colimitation by nitrogen and phosphorus based on a TN/TP median of 16 (60 values) during the PP and a median of 17 (31 values) during the VP. PP - 4 TSI annual means exceeded 60 (1992-1994, 1996). VP - 1 TSI annual mean exceeded 60 (1996). 14 TN values, median 0.01 mg/L, mean 0.01 mg/L. 80 TP values, median 0.07 mg/L, mean 0.07 mg/L.
03 2613	Middle St. Johns	2998A	Lake Florida	Lake	3F	Nutrients (TSI)	TN = 0.83 mg/L TP = 0.04 mg/L	Medium	2008	Colimitation by nitrogen and phosphorus based on a TN/TP median of 21 (186 values) during the PP and a median of 22 (242 values) during the VP. PP - 0 TSI annual means exceeded 60. VP - 1 TSI annual mean exceeded 60 (2002). 257 TN values, median 0.83 mg/L. 258 TP values, median 0.04 mg/L.
03 2614	Middle St. Johns	2998C	Lake Orienta	Lake	3F	Nutrients (TSI)	TN = 1.26 mg/L TP = 0.04 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 31 (31 values) during the PP and a median of 30 (696 values) during the VP. PP - 3 TSI annual means exceeded 60 (1996, 1999, 2000). VP - 5 TSI annual means exceeded 60 (1996, 1999-2002). 725 TN values, median 1.26 mg/L, mean 1.33 mg/L. 726 TP values, median 0.04 mg/L, mean 0.04 mg/L.
03 2615	Middle St. Johns	2998E	Lake Adalaide	Lake	3F	Nutrients (TSI)	TN = 1.02 mg/L TP = 0.05 mg/L	Medium	2008	Colimitation by nitrogen and phosphorus based on a TN/TP median of 23 (147 values) during the PP and a median of 22 (159 values) during the VP. PP - 1 TSI annual mean exceeded 60 (1993). VP - 1 TSI annual mean exceeded 60 (2001). 216 TN values, median 1.02 mg/L. 216 TP values, median 0.05 mg/L.
03 2616	Middle St. Johns	3001	Little Econlockhatchee River	Stream	3F	Fecal Coliform Bacteria	> 400 per 100 ml	Low	2008	PP - 72/381 values exceed criterion. VP - 41/248 values exceed criterion. Coliform median 108 colonies/100ml, range 2 - 6,801 colonies/100ml. No more than 6 values per month.

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CGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the IWR	Concentrations Causing Impairment	Priority for TMDL Development	Projected Year for TMDL Development	Comments (# Exceedances/# Samples) PP= Planning Period, VP= Verified Period
03 2617	Middle St. Johns	3002D	Starke Lake	Lake	3F	Nutrients (TSI)	TN = 1.04 mg/L TP = 0.03 mg/L	Medium	2008	Phosphorus limited with some colimitation based on a TN/TP median of 11 (38 values) during the PP and a median of 41 (202 values) during the VP. PP - 1 TSI means exceeded 60 (1991) and 1 TSI annual mean exceeded 40 (1993). VP - 1 TSI annual mean exceeded 40 (1996). The TSI listing threshold for the lake is determined based on the annual average color value for the lake. 309 TN values, median 1.04 mg/L, mean 1.03 mg/L. 359 TP values, median 0.03 mg/L, mean 0.05 mg/L.
03 2618	Middle St. Johns	3002E	Lake Primavista	Lake	3F	Nutrients (TSI)	TP = 0.03 mg/L	Medium	2008	Phosphorus limited based on a TN/TP median of 41 (279 values) during the PP and a median of 40 (204 values) during the VP. PP - 6 TSI annual means exceeded 60 (1993-1997, 1999). VP - 4 TSI annual means exceeded 60 (1996-1997, 1999, 2001). 309 TN values, median 1.26 mg/L, mean 1.32 mg/L. 358 TP values, median 0.03 mg/L, mean 0.06 mg/L.
03 2619	Middle St. Johns	3002G	Lake Lofa	Lake	3F	Nutrients (TSI)	TN = 0.90 mg/L TP = 0.05 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 17 (512 values) during the PP and a median of 18 (392 values) during the VP. PP - 1 TSI annual mean exceed threshold of 60 (1997). VP - 1 TSI annual mean exceed threshold of 60 (1997). 623 TN values, median 0.9 mg/L, mean 0.91 mg/L. 626 TP values, median 0.05 mg/L, mean 0.06 mg/L.
03 2620	Middle St. Johns	3002N	Prairie Lake	Lake	3F	Nutrients (TSI)	TN = 0.87 mg/L TP = 0.03 mg/L	Medium	2008	Colimitation by nitrogen and phosphorus based on a TN/TP median of 31 (93 values) during the PP and a median of 29 (121 values) during the VP. PP - 0 TSI annual means exceeded 60. VP - 1 TSI annual mean exceeded 60 (2001). 122 TN values, median 0.87 mg/L, mean 1.08 mg/L. 122 TP values, median 0.03 mg/L, mean 0.04 mg/L.
03 2621	Middle St. Johns	3004	Little Wekiva Canal	Stream	3F	Dissolved Oxygen and BOD	< 5.0 mg/L	Low	2008	PP - 32/103 values below DO criterion. VP - 23/65 values below DO criterion. DO met verification threshold of IWR and BOD is causative pollutant. (BOD median = 2.1 mg/L). 103 DO values, median 6.2 mg/L, mean 5.9 mg/L, range 0.5 - 12.09 mg/L.

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OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the IWR	Concentrations Causing Impairment	Priority for TMDL Development?	Projected Year for TMDL Development?	Comments ³ (# Exceedences / # Samples) PP= Planning Period, VP= Verified Period.
03 2622	Middle St. Johns	3004	Little Wekiva Canal	Stream	3F	Fecal Coliform Bacteria	> 400 per 100 ml	Low	2008	PP - 29/95 values exceed criterion. VP - 21/61 values exceed criterion. Coliform median 170 colonies/100ml, range 2 - 4,320 colonies/100ml. No more than 4 values per month.
03 2623	Middle St. Johns	3004	Little Wekiva Canal	Stream	3F	Nutrients (Chla)	TN = 1.16 mg/L TP = 0.08 mg/L	Low	2008	Colimitation by nitrogen and phosphorus based on a TN/TP median of 14 (156 values) during the PP and a median of 17 (84 values) during the VP. 84 TN values, median 1.16 mg/L. 84 TP values, median 0.08 mg/L. PP - 6 chla annual means exceeded 20 ug/l (1991, 1992, 1994, 1996, 1998, 1999). VP - 3 chla annual means exceeded 20 ug/l (1996, 1998, 1999). The annual chla concentrations were: 1991 - 20.5 ug/l, 1992 - 20.7 ug/l, 1993 - 13.6 ug/l, 1994 - 23.2 ug/l, 1996 - 25.1 ug/l, 1997 - 13.0 ug/l, 1998 - 20.0 ug/l, 1999 - 26.6 ug/l, and 2000 - 10.0 ug/l.
03 2625	Middle St. Johns	3004C	Lake Lawne	Lake	3F	Nutrients (TSI)	TN = 1.48 mg/L TP = 0.13 mg/L	Medium	2008	Colimitation by nitrogen and phosphorus based on a TN/TP median of 13 (320 values) during the PP and a median of 17 (98 values) during the VP. PP - 6 TSI annual means exceeded 60 (1991-1994, 1996, 1997). VP - 2 TSI annual means exceeded 60 (1996, 1997). 27 TN values, median 1.48 mg/L, mean 1.57 mg/L. 404 TP values, median 0.128 mg/L, mean 0.203 mg/L.
03 2626	Middle St. Johns	3004D	Silver Lake	Lake	3F	Nutrients (TSI)	TN = 0.64 mg/L TP = 0.03 mg/L	Medium	2008	Colimitation by nitrogen and phosphorus based on a TN/TP median of 25 (237 values) during the PP and a median of 27 (118 values) during the VP. PP - 0 TSI annual means exceed threshold of 60. VP - 1 TSI annual means exceed threshold of 60 (1998). 173 TN values, median 0.64 mg/L, mean 0.76 mg/L. 224 TP values, median 0.027 mg/L, mean 0.04 mg/L.
03 2627	Middle St. Johns	3004G	Bay Lake	Lake	3F	Nutrients (TSI)	TN = 1.21 mg/L TP = 0.04 mg/L	Medium	2008	Colimitation by nitrogen and phosphorus based on a TN/TP median of 29 (406 values) during the PP and a median of 31 (286 values) during the VP. PP - 8 TSI annual means exceeded 60 (1993-2000). VP - 7 TSI annual means exceeded 60 (1996-2002). 442 TN values, median 1.21 mg/L, mean 1.27 mg/L. 443 TP values, median 0.04 mg/L, mean 0.042 mg/L.

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DGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the IWR	Concentrations Causing Impairment	Priority for TMDL Development	Projected Year for TMDL Development	Comments (# Exceedances/ # Samples) PP= Planning Period, VP= Verified Period
03 2628	Middle St. Johns	3009	Bear Gulley Lake	Lake	3F	Nutrients (TSI)	TP = 0.04 mg/L	Medium	2008	Phosphorus limited based on a TN/TP median of 30 (40 values) during the PP and a median of 30 (66 values) during the VP. PP - 1 TSI annual mean exceeded 60 (1999). VP - 3 TSI annual means exceeded 60 (1999-2002). 51 TN values, median 1.12 mg/L, mean 1.15 mg/L. 66 TP values, median 0.038 mg/L, mean 0.04 mg/L.
03 2629	Middle St. Johns	3011C	Lake Lucien	Lake	3F	Mercury (in fish tissue)	> 0.5 ppm	Medium	2011	Mercury (in fish tissue) met verification threshold of IWR. Fish tissue levels in 20 samples averaged 0.5075 ppm in 2000.
03 2630	Middle St. Johns	3014	Crane Strand Drain	Stream	3F	Dissolved Oxygen and BOD	< 5.0 mg/L	High	2004	PP - 1/4 values below DO criterion. VP - 11/30 values below DO criterion. DO met verification threshold of IWR and BOD is causative pollutant. (BOD median = 2.25 mg/L). 30 DO values, median 5.95 mg/L, mean 6.11 mg/L, range 2.87 - 10.95 mg/L.
03 2631	Middle St. Johns	3014	Crane Strand Drain	Stream	3F	Fecal Coliform Bacteria	> 400 per 100 ml	High	2004	PP - 0/3 values exceeded criterion. VP - 7/28 values exceed criterion. Coliform median 182.5 colonies/100ml, range 1.0 - 5,800 colonies/100ml. No more than 4 values per month.
03 2632	Middle St. Johns	3014	Crane Strand Drain	Stream	3F	Total Coliform Bacteria	> 2400 per 100 ml	High	2004	PP - 0/1 values exceed criterion. VP - 5/20 values exceed criterion. Coliform median 1,500 colonies/100ml, range 1 - 21,000 colonies/100ml. No more than 4 values per month.
04 0827	Middle St. Johns	3014	Crane Strand Drain	Stream	3F	Biology	DO < 5.0 mg/L	Medium	2008	Failed bioassessment due to low DO levels. Causative pollutant believed to be BOD, mean of 14 values = 2.1 mg/L.
03 2633	Middle St. Johns	3023	Crane Strand	Stream	3F	Fecal Coliform Bacteria	> 400 per 100 ml	High	2004	PP - 14/40 values exceed criterion. VP - 10/20 values exceed criterion. Coliform median 300 colonies/100ml, range 10 - 6,000 colonies/100ml. No more than 2 values per month.
03 2634	Middle St. Johns	3023	Crane Strand	Stream	3F	Total Coliform Bacteria	> 2400 per 100 ml	High	2004	PP - 14/38 values exceed criterion. VP - 10/20 values exceed criterion. Coliform median 810 colonies/100ml, range 40 - 16,300 colonies/100ml. No more than 2 values per month.

5/26/04
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OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the IWR	Concentrations Causing Impairment	Priority for TMDL Development	Projected Year for TMDL Development	Comments (# Exceedences / # Samples) PP = Planning Period, VP = Verified Period
03 2635	Middle St. Johns	3023A	Lake Baldwin Outfall	Stream	3F	Fecal Coliform Bacteria	> 400 per 100 ml	Medium	2008	PP - 19/36 values exceed criterion. VP - 12/21 values exceed criterion. Coliform median 510 colonies/100ml, range 30 - 4,100 colonies/100ml. No more than 2 values per month.
03 2636	Middle St. Johns	3023A	Lake Baldwin Outfall	Stream	3F	Nutrients (Chla)	TN = 1.12 mg/L TP = 0.04 mg/L	Medium	2008	Colimitation of nitrogen and phosphorus based on a TN/TP median of 21 (63 values) during the planning and a median of 30 (37 values) during the VP. PP - 1 chla annual mean exceeded 20 ug/l (1998). VP - 1 chla annual mean exceeded 20 ug/l (1998). 38 TN values, median 1.12 mg/l. 38 TP values, median 0.04 mg/l.
03 2637	Middle St. Johns	3023A	Lake Baldwin Outfall	Stream	3F	Total Coliform Bacteria	> 2400 per 100 ml	Medium	2008	PP - 14/35 values exceed criterion. VP - 9/21 values exceed criterion. Coliform median 1,480 colonies/100ml, range 80 - 8,000 colonies/100ml. No more than 2 values per month.
03 2638	Middle St. Johns	3024A	Trib. To Little Econ. River	Stream	3F	Dissolved Oxygen	< 5.0 mg/L	Medium	2008	PP - 12/30 values below DO criterion. VP - 7/20 values below DO criterion. DO met verification threshold of IWR, and nitrogen is the causative pollutant. TN median = 2.73 mg/l. 58 DO values, mean 5.63 mg/l, median 5.58 mg/l, range 3 - 12.9 mg/l.
03 2640	Middle St. Johns	3024A	Trib. To Little Econ. River	Stream	3F	Fecal Coliform Bacteria	> 400 per 100 ml	Medium	2008	PP - 18/32 values exceed criterion. VP - 11/20 values exceed criterion. Coliform median 440 colonies/100ml, range 8 - 3,100 colonies/100ml.
03 2641	Middle St. Johns	3024A	Trib. To Little Econ. River	Stream	3F	Total Coliform Bacteria	> 2400 per 100 ml	Medium	2008	PP - 14/34 values exceed criterion. VP - 10/20 values exceed criterion.
03 2642	Middle St. Johns	3030	Long Branch	Stream	3F	Dissolved Oxygen and BOD	< 5.0 mg/L	High	2004	PP - 3/5 values below DO criterion. VP - 26/28 values below DO criterion. DO met verification threshold of IWR and BOD is causative pollutant. (BOD median = 2.6 mg/L). 31 DO values, median 3.6 mg/L, mean 3.43 mg/L, range 0.52 - 6.1 mg/L.
03 2643	Middle St. Johns	3030	Long Branch	Stream	3F	Fecal Coliform Bacteria	> 400 per 100 ml	High	2004	PP - 1/1 values exceed criterion. VP - 13/26 values exceed criterion. Coliform median 440 colonies/100ml, range 8 - 3,100 colonies/100ml. No more than 6 values per month.
03 2644	Middle St. Johns	3030	Long Branch	Stream	3F	Iron	> 1.0 mg/L	High	2004	PP - 0/0 values exceed criterion. VP - 12/26 values exceed criterion.

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Middle St. Johns Group 2 Basin/Central District - Verified List
Hydrologic Units: St. Johns River, Upper

DSC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the IWR	Concentrations Causing Impairment ¹	Priority for TMDL Development ²	Projected Year for TMDL Development ²	Comments ³ (If Exceedances & Samples) PP - Planning Period (VP - Verified Period) PP - UO values exceed criterion VP - T1726 values exceed criterion. Coliform median 2,250 colonies/100ml, range 434 - 27,000 colonies/100ml. No more than 5 values per month.
03 2645	Middle St. Johns	3030	Long Branch	Stream	3F	Total Coliform Bacteria	> 2400 per 100 ml	High	2004	

¹ "In H" means the natural logarithm of total hardness expressed as mg/L of CaCO₃. For metals criteria involving equations with hardness, the hardness shall be set as 25 mg/L if actual hardness is < 25mg/L and set at 400 mg/L if actual hardness is > 400 mg/L. The concentration causing impairment for nutrient listings is the median.

² Where a parameter was 1998 303(d) listed, the priority shown for it in the 1998 303(d) list was retained (high or low). Where a parameter was only identified as impaired under the IWR, priorities of high, medium or low were used. Waterbodies where Mercury (in fish tissue) has been identified as impaired under the IWR, have been given a medium priority and a TMDL is scheduled for 2011.

³ PP - Planning Period (January, 1991 through December, 2000); VP - Verified Period (January, 1996 through June 30, 2003)

The Middle St. Johns Verified List is based on IWR2002 Run 14.2.

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St. Lucie - Loxahatchee Group 2 Basin/ Southeast District - Verified List
Hydrologic Units: Southeast Florida Coast

OGC Case Number	Basin Group Name	WBD	Water Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule (IWR)	Concentration Causing Impairment	Priority for TMDL Development	Projected Year for TMDL Development	Comments (# Exceedances/ Samples) PP=Planning Period VP=Verified Period
03 2646	Southeast Florida Coast	3163	FT. PIERCE FARM CANAL (BELCHER CANYON/TAYLOR CK)	STREAM	3F	Dissolved Oxygen	DO < 5 mg/L	High	2006	PP - 4/11 Potentially Impaired; VP - 21/49 Verified Linked to nutrients, with both nitrogen and phosphorus as limiting nutrients, colimitation of Nitrogen and Phosphorus, TN during VP = 0.706 mg/L, TP during VP = 0.197 mg/L
03 2647	Southeast Florida Coast	3163B	C-25 EAST SEGMENT	STREAM	3F	Nutrients (CHLA)	TN = 1.438 mg/L TP = 0.145 mg/L	Medium	2008	PP - No Data; VP - Verified, with one annual mean chl a value above 20 ug/L. Colimiting of nitrogen and phosphorus based upon TN/TP ratios [TN median = 1.438 mg/L and TP median = 0.145 mg/L, PP median TN/TP ratio = 10.46 (327 values), VP median TN/TP ratio = 10.11 (291 values)]
03 2648	Southeast Florida Coast	3163B	C-25 EAST SEGMENT	STREAM	3F	Dissolved Oxygen	DO < 5 mg/L	Medium	2008	PP - 75/126 Potentially Impaired, VP - 52/109 Verified Linked to nutrients, with both nitrogen and phosphorus as limiting nutrients, colimitation of Nitrogen and Phosphorus, TN during VP = 1.445 mg/L, TP during VP = 0.139 mg/L
03 2649	Southeast Florida Coast	3163B	C-25 EAST SEGMENT	STREAM	3F	Iron	Fe > 1.0 mg/L	Medium	2008	PP - 30/39 Potentially Impaired; VP - 12/25 Verified
03 2650	Southeast Florida Coast	3190	NORTH COASTAL	ESTUARY	3M	Nutrients (CHLA)	TN = 0.93 mg/L TP = 0.056 mg/L	Medium	2008	PP - Potentially Impaired; VP - Verified, with two annual mean chl a values above 11 ug/L. Both phosphorus and nitrogen identified as limiting nutrients based on TN/TP ratios. TN median = 0.93 mg/L, TP median = 0.056 mg/L, PP median TN/TP ratio = 12.5 (357 values), VP = 14.87 (230 values)
03 2651	Southeast Florida Coast	3190	NORTH COASTAL	ESTUARY	3M	Bacteria (in Shellfish)	Exceeds Shellfish Evaluation and Assessment Section thresholds.	Medium	2008	Listed based on downgrade of shellfish harvesting classification.
03 2652	Southeast Florida Coast	3193	ST. LUCIE RIVER	ESTUARY	3M	Nutrients (CHLA)	TN = 0.886 mg/L TP = 0.108 mg/L	Medium	2008	PP - Potentially Impaired; VP - Verified, with one annual mean chl a value above 11 ug/L. Both phosphorus and nitrogen identified as limiting nutrients based on TN/TP ratios. TN median = 0.886 mg/L, TP median = 0.108 mg/L, PP median TN/TP ratio = 6.9 (530 values), VP median TN/TP ratio = 7.12 (221 values)
03 2653	Southeast Florida Coast	3193A	ROOSEVELT BRIDGE	COASTAL	3M	Bacteria (in Shellfish)	Exceeds Shellfish Evaluation and Assessment Section thresholds.	Medium	2008	Listed based on downgrade of shellfish harvesting classification.
03 2654	Southeast Florida Coast	3194	NORTH ST. LUCIE	ESTUARY	3M	Dissolved Oxygen	DO < 4 mg/L and < 5 mg/L as daily average.	High	2005	PP - 119/410 Potentially Impaired; VP - 96/345 Verified Linked to elevated BOD during PP and VP. PP = 7.5 mg/L, and VP = 7.7 mg/L
03 2655	Southeast Florida Coast	3194	NORTH ST. LUCIE	ESTUARY	3M	Nutrients (Hist. CHLA)	TN = 0.742 mg/L TP = 0.054 mg/L	High	2005	PP - Histichia Potentially Impaired; VP - Verified, based on seven annual mean chl a values above 11 ug/L. Colimitation of nitrogen and phosphorus based TN/TP ratios. TN median = 0.742 mg/L and TP median = 0.054 mg/L, PP median TN/TP ratio = 5.17 (456 values), VP median TN/TP ratio = 5.43 (283 values)
03 2656	Southeast Florida Coast	3194	NORTH ST. LUCIE	ESTUARY	3M	Copper	Cu > 3.7 ug/L	Medium	2008	PP - 3/5 Potentially Impaired; VP - 20/54 Verified
03 2658	Southeast Florida Coast	3194B	ST. LUCIE	ESTUARY	3M	Nutrients (CHLA)	TN = 1.1 mg/L	High	2005	PP - Histichia Potentially Impaired; VP - Verified, with seven annual mean chl a values above 20 ug/L. Nitrogen is the limiting nutrient based on TN/TP ratios. PP median TN = 1.1 mg/L, PP median TN/TP ratio = 3.08 (131 values), VP median TN/TP ratio = 3.09 (242 values)

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St.Lucie - Loxahatchee Group 2 Basin/ Southeast District - Verified List
Hydrologic Units: Southeast Florida Coast

SOC Case Number	Basin Group Name	WBID	Water Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule (IWR)	Concentration Causing Impairment	Priority for TMDL Development	Projected Year for TMDL Development	Comments: (# Exceedances# Samples) PP=Planning Period VP=Verified Period
03 2659	Southeast Florida Coast	3194B	ST. LUCIE	ESTUARY	3M	Dissolved Oxygen	DO < 4 mg/L, and < 5 mg/L as daily average.	Medium	2008	PP - 75/557 Potentially Impaired; VP - 56/399 Verified. Linked to elevated nutrients, with colimitation of nitrogen and phosphorus, TN during VP = 1.038 mg/L, TP during VP = 0.193 mg/L.
03 2660	Southeast Florida Coast	3194B	ST. LUCIE	ESTUARY	3M	Copper	Cu > 3.7 ug/L	Medium	2008	PP - 2/11 Not Impaired; VP - 25/58 Verified
03 2662	Southeast Florida Coast	3194D	FIVEMILE CREEK	STREAM	3F	Dissolved Oxygen	DO < 5 mg/L	Medium	2008	PP - 8/15 Potentially Impaired; VP - 12/80 Verified. Linked to elevated BOD level during PP and VP. PP median BOD = 2.2 mg/L, VP median = 2.2 mg/L.
04 0804	Southeast Florida Coast	3197	C-24	STREAM	3F	Fecal Coliform	FC > 400 counts/100ml	Medium	2008	PP - 9/41 Insufficient Data; VP - 9/41 Verified
03 2663	Southeast Florida Coast	3197	C-24	STREAM	3F	Nutrients (CHLA)	TP = 0.258 mg/L	High	2005	PP - Insufficient Data; VP - Verified, with one annual mean chl a value above 20 ug/L. Phosphorus limiting based on TN/TP ratios [PP TP median = 0.251 mg/L; VP TP median = 0.258 mg/L. PP TN/TP ratio median = 5.82 (417 values), VP TN/TP ratio = 5.68 (408 values).
03 2664	Southeast Florida Coast	3197	C-24	STREAM	3F	Dissolved Oxygen	DO < 5 mg/L	High	2005	PP - 100/156 Potentially Impaired; VP - 92/149 Verified. Linked to elevated BOD during PP and VP [PP mean BOD = 3.0 mg/L, VP mean BOD = 3.0 mg/L.
03 2665	Southeast Florida Coast	3197	C-24	STREAM	3F	Iron	Fe > 1.0 mg/L	High	2005	PP - 30/39 Potentially Impaired; VP - 12/25 Verified
03 2666	Southeast Florida Coast	3200	C-23	STREAM	3F	Nutrients (CHLA)	TP = 0.32 mg/L	Medium	2008	PP - Insufficient Data; VP - Verified, with one annual mean chl a value above 20 ug/L. Phosphorus limiting for both PP and VP based on TN/TP ratios (PP TP median = 0.306 mg/L, VP TP median = 0.32 mg/L. PP median TN/TP ratio = 4.79 (420 values), VP median TN/TP ratio = 4.42 (328 values).
03 2667	Southeast Florida Coast	3200	C-23	STREAM	3F	Iron	Fe > 1.0 mg/L	Medium	2008	PP - 47/57 Potentially Impaired; VP - 14/27 Verified
03 2668	Southeast Florida Coast	3200	C-23	STREAM	3F	Dissolved Oxygen	DO < 5 mg/L	Medium	2008	PP - 79/161 Potentially Impaired; VP - 56/125 Verified. Linked to elevated TP level. TP above the screening level for both the PP and VP. (PP median 0.31 mg/L and; VP median 0.32 mg/L).
03 2669	Southeast Florida Coast	3208	MANATEE POCKET	ESTUARY	3M	Nutrients (CHLA)	TN = 0.805 mg/L TP = 1.0 mg/L	Low	2010	PP - Potentially Impaired; VP - Verified, with four annual mean chl a values above 11 ug/L. Both phosphorus and nitrogen identified as limiting nutrient based on TN/TP ratios. PP median TN/TP ratio = 9.63 (175 values), VP median TN/TP ratio = 10.04 (154 values).
03 2670	Southeast Florida Coast	3208	MANATEE POCKET	ESTUARY	3M	Copper	Cu > 3.7 ug/L	Medium	2008	PP - 0/1 Insufficient Data; VP - 27/30 Verified
04 0805	Southeast Florida Coast	3208A	MARTIN CO. ICOW	ESTUARY	3M	Copper	Cu > 3.7 ug/L	Medium	2008	PP - 0/1 Insufficient Data; VP - 19/24 Verified
03 2671	Southeast Florida Coast	3210	TIDAL ST. LUCIE	ESTUARY	3M	Nutrients (CHLA)	TN = 1.124 mg/L TP = 0.183 mg/L	Medium	2008	PP - Potentially Impaired; VP - Verified, with seven annual mean chl a values above 11 ug/L. Both phosphorus and nitrogen are limiting nutrients based on TN/TP ratios. TN median = 1.124 mg/L, median TP = 0.185 mg/L. PP median TN/TP ratio = 6.44 (478 values), VP median TN/TP ratio = 5.87 (266 values).
03 2672	Southeast Florida Coast	3210	TIDAL ST. LUCIE	ESTUARY	3M	Copper	Cu > 3.7 ug/L	Medium	2008	PP - 0/2 Insufficient Data; VP - 8/25 Verified

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St.Lucie - Loxahatchee Group 2 Basin/ Southeast District - Verified List
Hydrologic Units: Southeast Florida Coast

CSC Case Number	Basin Group Name	WBID	Water Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule (IWR)	Concentration Causing Impairment ¹	Priority for TMDL Development ²	Projected Year for TMDL Development ³	Comments ⁴ (# Exceedances# Samples) PP=Planning Period VP=Verified Period
03 2673	Southeast Florida Coast	3210A	ST. LUCIE CANAL	ESTUARY	3M	Nutrients (CHLA)	TN = 1.18 mg/L	Low	2010	PP - Not Impaired; VP - Verified, with one annual mean chl a value above 11 ug/L. PP median 1.291 mg/L and VP median 1.18 mg/L. PP median TN/TP ratio = 7.46 (234 values), VP median TN/TP ratio = 7.18 (161 values).
04 0806	Southeast Florida Coast	3210A	ST. LUCIE CANAL	ESTUARY	3M	Copper	Cu > 3.7 ug/L	Medium	2008	PP - No Data; VP - 22/36 Verified
03 2674	Southeast Florida Coast	3210A	ST. LUCIE CANAL	ESTUARY	3M	Dissolved Oxygen	DO < 4 mg/L, and < 5 mg/L as daily average.	Low	2010	PP - 37/196 Potentially Impaired; 48/172 Verified Linked to nitrogen levels. TN levels during PP = 1.2935; VP = 1.254 mg/L.
03 2675	Southeast Florida Coast	3210B	SOUTH FORK ST. LUCIE	STREAM	3F	Dissolved Oxygen	DO < 5 mg/L	Low	2010	PP - 92/209 Potentially Impaired; VP - 88/169 Verified Linked to elevated BOD level. BOD median = 2.25 mg/L.
04 0847	Southeast Florida Coast	3211	BESSEY CREEK	ESTUARY	3M	Copper	Cu > 3.7 ug/L	Medium	2008	PP - No Data; VP - 16/29 Verified
03 2676	Southeast Florida Coast	3211	BESSEY CREEK	ESTUARY	3M	Dissolved Oxygen	DO < 4 mg/L, and < 5 mg/L as daily average.	High	2005	PP - 8/19 Potentially Impaired; VP - 10/29 Verified Linked to elevated TP level. TP above the screening level for the PP and; VP (PP median 5.5 mg/L and; VP median 0.213 mg/L).
03 2677	Southeast Florida Coast	3211	BESSEY CREEK	ESTUARY	3M	Nutrients (CHLA)	TN = 0.213 mg/L	High	2005	PP - Insufficient Data; VP - Verified, with one annual mean chl a value above 20 ug/L. Phosphorus limiting based on TN median = 0.747 mg/L and TP median = 0.213 mg/L. PP TN/TP ratio median = 7.73 (13 values), VP = 3.88 (23 values).
03 2678	Southeast Florida Coast	3218	C-44	STREAM	3F	Dissolved Oxygen	DO < 5 mg/L	Medium	2008	PP - 48/159 Potentially Impaired; VP - 50/154 Verified Linked to elevated BOD level of 6.6 mg/L during PP.
03 2679	Southeast Florida Coast	3218	C-44	STREAM	3F	Iron	Fe > 1.0 mg/L	Medium	2008	PP - 33/42 Potentially Impaired; VP - 13/28 Verified
03 2680	Southeast Florida Coast	3224	JONATHAN DICKINSON	ESTUARY	3M	Fecal Coliform	FC > 400 counts/100ml	Medium	2008	PP - 33/288 Not Impaired; VP - 24/162 Verified
03 2681	Southeast Florida Coast	3224	JONATHAN DICKINSON	ESTUARY	3M	Bacteria (In Shellfish)	Exceeds Shellfish Evaluation and Assessment Section thresholds.	Medium	2008	Listed based on downgrade of shellfish harvesting classification.
03 2682	Southeast Florida Coast	3224A	NORTH FORK LOXAHATCHEE	STREAM	3F	Dissolved Oxygen	DO < 4 mg/L, and < 5 mg/L as daily average.	Medium	2008	PP - 52/74 Potentially Impaired; VP - 37/55 Verified Linked to nutrients, with both nitrogen and phosphorus as limiting nutrients, colimitation of nitrogen and phosphorus, TN during VP = 0.785 mg/L, TP during VP = 0.028 mg/L.
03 2683	Southeast Florida Coast	3224A	NORTH FORK LOXAHATCHEE	STREAM	3F	Nutrients (CHLA)	TN = 0.795 TP = 0.028	Medium	2008	PP - Potentially Impaired; VP - Verified, with one annual mean chl a value above 20 ug/L. Colimitation of nitrogen and phosphorus based on TN/TP ratios. TN median = 0.795 mg/L and TP median = 0.028 mg/L. PP median TN/TP ratio = 31.53 (62 values), VP median TN/TP ratio = 31.53 (44 values).
03 2684	Southeast Florida Coast	3226A	NW FORK LOXAHATCHEE	ESTUARY	3M	Bacteria (In Shellfish)	Exceeds Shellfish Evaluation and Assessment Section thresholds.	Medium	2008	Listed based on downgrade of shellfish harvesting classification.
03 2685	Southeast Florida Coast	3226C	SW FORK LOXAHATCHEE	ESTUARY	3M	Fecal Coliform	FC > 43 col/100ml	Low	2010	PP - 23/157 Potentially Impaired; VP - 12/73 Verified
03 2686	Southeast Florida Coast	3226C	SW FORK LOXAHATCHEE	ESTUARY	3M	Bacteria (In Shellfish)	Exceeds Shellfish Evaluation and Assessment Section thresholds.	Medium	2008	Listed based on downgrade of shellfish harvesting classification.
03 2687	Southeast Florida Coast	3226D	LOXAHATCHEE RIVER	ESTUARY	2	Bacteria (In Shellfish)	Exceeds Shellfish Evaluation and Assessment Section thresholds.	Medium	2008	Listed based on downgrade of shellfish harvesting classification.
03 2688	Southeast Florida Coast	3234	C-18	STREAM	1	Total Coliform	TC > 2400	Low	2010	PP - 8/48 Potentially Impaired; VP - 5/24 Verified

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St. Lucie - Loxahatchee Group 2 Basin/ Southeast District - Verified List
Hydrologic Units: Southeast Florida Coast

OCC Case Number	Basin Group Name	WBID	Water Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule (IWR)	Concentration Causing Impairment ¹	Priority for TMDL Development ²	Projected Year for TMDL Development ²	Comments ³ (# Exceedances/ Samples) PP=Planning Period VP=Verified Period
03 2689	Southeast Florida Coast	3234	C-18	STREAM	1	Iron	Fe > 1.0 mg/L Exceeds Shellfish Evaluation and Assessment Section thresholds.	Low	2010	PP - 78/101 Potentially Impaired; VP - 30/58 Verified
03 2690	Southeast Florida Coast	5003A	SOUTH INDIAN RIVER	ESTUARY	3M	Bacteria (in Shellfish)		Medium	2008	Listed based on downgrade of shellfish harvesting classification.
03 2689	Southeast Florida Coast	5003A	SOUTH INDIAN RIVER	ESTUARY	3M	Copper	Cu > 3.7 ug/L Exceeds Shellfish Evaluation and Assessment Section thresholds.	Medium	2008	PP - 0/1 Insufficient Data, VP - 14/23 Verified
03 2691	Southeast Florida Coast	8101B	DUBOIS PARK	COASTAL	3M	Bacteria (in Shellfish)		Medium	2008	Listed based on downgrade of shellfish harvesting classification.
03 2692	Southeast Florida Coast	8101C	CORAL COVE PARK	COASTAL	3M	Bacteria (in Shellfish)		Medium	2008	Listed based on downgrade of shellfish harvesting classification.
03 2693	Southeast Florida Coast	8102	COASTAL OCEAN 2	COASTAL	3M	Bacteria (in Shellfish)		Medium	2008	Listed based on downgrade of shellfish harvesting classification.
03 2694	Southeast Florida Coast	8103	COASTAL OCEAN 3	COASTAL	3M	Bacteria (in Shellfish)		Medium	2008	Listed based on downgrade of shellfish harvesting classification.
03 2695	Southeast Florida Coast	8104	COASTAL OCEAN 4	COASTAL	3M	Bacteria (in Shellfish)		Medium	2008	Listed based on downgrade of shellfish harvesting classification.
03 2696	Southeast Florida Coast	8998	FLORIDA ATLANTIC COAST	ESTUARY	3M	Mercury (in fish tissue)	Hg less than current criterion 0.025 ug/L for an estuary, or 0.3 ug/L for freshwater.	Low	2011	Data verified to be within the last 7.5 years. Confirmed recent data for coastal fish advisory for Ladyfish, grouper, and tuna. Includes WBIDs 8101B and 8101C.

¹"In H" means the natural logarithm of total hardness expressed as mg/L of CaCO₃. For metals criteria involving equations with hardness, the hardness shall be set as 25 mg/L if actual hardness is < 25 mg/L and set at 400 mg/L if actual hardness is > 400 mg/L. The concentration causing impairment for nutrient listings is the median.

²Where a parameter was 1996 303(c) listed, the priority shown for it in the 1998 303(c) list was retained (high or low). Where a parameter was only identified as impaired under the IWR, priorities of high, medium or low were used. Waterbodies where Mercury (in fish tissue) has been identified as impaired under the IWR, have been given a medium priority and a TMDL is scheduled for 2011.

³ PP - Planning Period (January, 1991 through December, 2000); VP - Verified Period (January, 1996 through June 30, 2003)

Note: St. Lucie - Loxahatchee Group 2 Verified List (VL) is based on FDEP IWR Run 14.2.

5/12/04

Tampa Bay Tributaries Group 2 Basin - Southwest District - Verified List
Hydrologic Units - Alafia River, Hillsborough River, Little Manatee River, Manatee River

OGC Case Number	Basin Group Name	WBID	Water Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentration Causing Impairment ^(b)	Priority for TMDL Development ^(a)	Projected Year For TMDL Development ^(c)	Comment (# Exceedances/# Samples) PP - Planning Period VP - Verified Period ^(b)
03 2248	Tampa Bay Tributaries	1442	CYPRESS CREEK	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	High	2003	PP - 16/109 Potentially Impaired; VP - 18/66 Verified Impaired
03 2249	Tampa Bay Tributaries	1440D	TWIN LAKE - OPEN WATER	LAKE	3F	Nutrients (TSI)	median TP = .02 mg/l	Medium	2008	PP - Potentially Impaired; VP - Verified Impaired. Annual average TSI > 40 and Color <40 in 2000. Phosphorus is the limiting nutrient based on a TN/TP ratio median of 36.5 (44 values) during the planning period and 37.0 (75 values) during the verified period.
03 2251	Tampa Bay Tributaries	1442	NEW RIVER	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	High	2003	PP - 5/6 Potentially Impaired; VP - 9/21 Verified Impaired
03 2252	Tampa Bay Tributaries	1442	NEW RIVER	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	High	2003	PP - 0/2 Insufficient data; VP - 6/21 Verified Impaired
03 2254	Tampa Bay Tributaries	1443A	HILLSBOROUGH RIVER	STREAM	3F	Dissolved Oxygen	< 5.0 mg/l	Low	2008	PP - 56/83 Potentially Impaired; VP - 25/42 Verified Impaired. Linked to nutrients (verified period total phosphorus median = 0.30 mg/l). Nitrogen is the limiting nutrient.
03 2255	Tampa Bay Tributaries	1443A	HILLSBOROUGH RIVER	STREAM	3F	Mercury-Fish	> 0.5 ppm	Low	2011	PP - Potentially Impaired; VP - Verified Impaired. Mercury (in fish tissue) met verification threshold of IWR. Fish tissue levels in 20 samples averaged .53 ppm in 2003.
03 2256	Tampa Bay Tributaries	143B	HILLSBOROUGH RIVER	STREAM	1	Mercury-Fish	> 0.5 ppm	Low	2011	PP - Potentially Impaired; VP - Verified Impaired. Mercury (in fish tissue) met verification threshold of IWR. Fish tissue levels in 20 samples averaged .53 ppm in 2003.
03 2257	Tampa Bay Tributaries	1443C	HILLSBOROUGH RIVER	STREAM	3F	Mercury-Fish	> 0.5 ppm	Low	2011	PP - Potentially Impaired; VP - Verified Impaired. Mercury (in fish tissue) met verification threshold of IWR. Fish tissue levels in 20 samples averaged .53 ppm in 2003.
03 2258	Tampa Bay Tributaries	1443D	HILLSBOROUGH RIVER	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	High	2003	PP - 20/127 Potentially Impaired; VP - 22/80 Verified Impaired
03 2259	Tampa Bay Tributaries	1443D	HILLSBOROUGH RIVER	STREAM	3F	Mercury-Fish	> 0.5 ppm	Low	2011	PP - Potentially Impaired; VP - Verified Impaired. Mercury (in fish tissue) met verification threshold of IWR. Fish tissue levels in 20 samples averaged .53 ppm in 2003.
03 2260	Tampa Bay Tributaries	1443E	HILLSBOROUGH RIVER	ESTUARY	3M	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	High	2003	PP - 91/376 Potentially Impaired; VP - 53/283 Verified Impaired
03 2261	Tampa Bay Tributaries	1443E	HILLSBOROUGH RIVER	ESTUARY	3M	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	High	2003	PP - 50/370 Potentially Impaired; VP - 53/235 Verified Impaired
03 2262	Tampa Bay Tributaries	1443E	HILLSBOROUGH RIVER	ESTUARY	3M	Dissolved Oxygen	< 4.0 mg/l, and less than 5.0 mg/l as daily average	Medium	2008	PP - 232/639 Potentially Impaired VP - 247/554 Verified Impaired. Linked to nutrients (verified period total nitrogen median = 1.02 mg/l; verified period total phosphorus median = .21 mg/l). Nitrogen is the limiting nutrient.
03 2263	Tampa Bay Tributaries	1443E	HILLSBOROUGH RIVER	ESTUARY	3M	Mercury-Fish	> 0.5 ppm	Low	2011	PP - Potentially Impaired; VP - Verified Impaired. Mercury (in fish tissue) met verification threshold of IWR. Fish tissue levels in 20 samples averaged .53 ppm in 2003.

5/21/04
JAC

Tampa Bay Tributaries Group 2 Basin - Southwest District - Verified List
Hydrologic Units - Alafia River, Hillsborough River, Little Manatee River, Manatee River

OGC Case Number	Basin Group Name	WBD	Water Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentration Causing Impairment ⁽¹⁾	Priority for TMDL Development ⁽²⁾	Projected Year For TMDL Development ⁽³⁾	Continent (# Exceedances/# Samples) PP=Planning Period VP=Verified Period ⁽⁴⁾
03 2264	Tampa Bay Tributaries	1443E	HILLSBOROUGH RIVER	ESTUARY	3M	Nutrients (Chlorophyll)	median TN = 1.02 mg/l	High	2003	PP - Potentially Impaired; VP - Verified Impaired. Annual average Chl(a) values exceeded 11 ug/l in 1991, 1992, & 1994-2001. Nitrogen is the limiting nutrient based on a TN/TP ratio median of 3.8 (343 values) during the planning period and 4.5 (357 values) during the verified period.
03 2265	Tampa Bay Tributaries	1443E1	HILLSBOROUGH RESERVOIR	LAKE	1	Dissolved Oxygen	< 5.0 mg/l	Medium	2008	PP - Potentially Impaired; VP - Verified Impaired. Mercury (in fish tissue) met verification threshold of IWR. Fish tissue levels in 20 samples averaged .53 ppm in 2003.
03 2266	Tampa Bay Tributaries	1443E1	HILLSBOROUGH RESERVOIR	LAKE	1	Mercury-Fish	> 0.5 ppm	Low	2011	PP - Potentially Impaired; VP - Verified Impaired. Mercury (in fish tissue) met verification threshold of IWR. Fish tissue levels in 20 samples averaged .53 ppm in 2003.
03 2267	Tampa Bay Tributaries	1443E2	HILLSBOROUGH RIVER	STREAM	1	Mercury-Fish	> 0.5 ppm	Low	2011	PP - Potentially Impaired; VP - Verified Impaired. Mercury (in fish tissue) met verification threshold of IWR. Fish tissue levels in 20 samples averaged .53 ppm in 2003.
03 2268	Tampa Bay Tributaries	1451B	KEENE LAKE	LAKE	3F	Nutrients (TSI)	median TP = .04 mg/l	Medium	2008	PP - Potentially Impaired; VP - Verified Impaired. Annual average TSI > 60 in 1995 and 1996. Phosphorus is the limiting nutrient based on a TN/TP ratio median of 32.5 (140 values) in the planning period and 31.1 (60 values) during the verified period.
03 2269	Tampa Bay Tributaries	1451T	LAKE HANNA	LAKE	3F	Nutrients (TSI)	median TP = .02 mg/l	Medium	2008	PP - Potentially Impaired; VP - Verified Impaired. Annual average TSI > 60 in 1997. Phosphorus is the limiting nutrient based on a TN/TP ratio median of 40 (94 values) in the planning and verified periods.
03 2270	Tampa Bay Tributaries	1455	TROUT CREEK	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Low	2008	PP - 13/89 Potentially Impaired; VP - 13/46 Verified Impaired
03 2271	Tampa Bay Tributaries	1455	TROUT CREEK	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Low	2008	PP - 41/144 Potentially Impaired; VP - 20/112 Verified Impaired
03 2272	Tampa Bay Tributaries	1482	BLACKWATER CREEK	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	High	2003	PP - 24/152 Potentially Impaired; VP - 25/109 Verified Impaired
03 2273	Tampa Bay Tributaries	1482	BLACKWATER CREEK	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	High	2003	PP - 0/1 Insufficient data; VP - 5/20 Verified Impaired
03 2275	Tampa Bay Tributaries	1489	TWO HOLE BRANCH	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Low	2008	PP - 0/1 Insufficient data; VP - 5/20 Verified Impaired
03 2276	Tampa Bay Tributaries	1489	TWO HOLE BRANCH	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Low	2008	PP - 0/4 Insufficient data; VP - 17/24 Verified Impaired. Linked to nutrients (verified period total phosphorus median = 0.26 mg/l). Nitrogen is the limiting nutrient.
03 2279	Tampa Bay Tributaries	1489	TWO HOLE BRANCH	STREAM	3F	Dissolved Oxygen	< 5.0 mg/l	Medium	2008	PP - 4/8 Insufficient data; VP - 13/20 Verified Impaired.
03 2280	Tampa Bay Tributaries	1495B	ITCHEPACKESASSA CREEK	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Medium	2008	PP - 6/8 Insufficient data; 10/23 Verified Impaired
03 2281	Tampa Bay Tributaries	1495B	ITCHEPACKESASSA CREEK	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Medium	2008	PP - 38/113 Potentially Impaired; VP - 18/77 Verified Impaired
03 2283	Tampa Bay Tributaries	1522A	FLINT CREEK	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	High	2003	PP - 34/119 Potentially Impaired; VP - 21/71 Verified Impaired
03 2284	Tampa Bay Tributaries	1522A	FLINT CREEK	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	High	2003	PP - 80/126 Potentially Impaired; VP - 60/87 Verified Impaired. Linked to BOD (verified period median = 3.6 mg/l) and nutrients (verified period total phosphorus median = 2.01 mg/l; verified period total phosphorus median = 0.43 mg/l). Nitrogen is the limiting nutrient.
03 2285	Tampa Bay Tributaries	1522A	FLINT CREEK	STREAM	3F	Dissolved Oxygen	< 5.0 mg/l	High	2003	

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Tampa Bay Tributaries Group 2 Basin - Southwest District - Verified List
Hydrologic Units - Alafia River, Hillsborough River, Little Manatee River, Manatee River

OGC Case Number	Basin Group Name	WBD	Water Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentration Causing Impairment ⁽¹⁾	Priority for TMDL Development ⁽²⁾	Projected Year For TMDL Development ⁽²⁾	Comment (# Exceedances/# Samples) PP-Planning Period VP-Verified Period ⁽³⁾
										PP- Potentially Impaired; VP- Verified Impaired. Annual average Chl(a) values exceeded 20 ug/l from 1991-2002. Nitrogen is the limiting nutrient based on a TN/TP ratio median of 4.0 (135 values) during the planning period and 4.9 (85 values) during the verified period. PP - 30/127 Potentially Impaired; VP - 17/84 Potentially Impaired
03 2286	Tampa Bay Tributaries	1522A	FLINT CREEK LAKE	STREAM	3F	Nutrients (Chlorophyll)	median TN = 2.01 mg/l	High	2003	
03 2287	Tampa Bay Tributaries	1522B	THONOTOSASSA LAKE	LAKE	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	High	2003	
03 2288	Tampa Bay Tributaries	1522B	LAKE THONOTOSASSA	LAKE	3F	Nutrients (TSI)	median TN = 2.25 mg/l	Medium	2008	PP- Potentially Impaired; VP- Verified Impaired. Annual average TSI > 60 from 1991-1998, 1998, 1999, 2001, and 2002. TSI > 60 and Color < 40 in 1997 and 2000. Nitrogen is the limiting nutrient based on a TN/TP ratio median of 5.0 (278 values) in the planning period and 6.3 (201 values) during the verified period.
03 2289	Tampa Bay Tributaries	1522B	LAKE THONOTOSASSA	LAKE	3F	Unionized Ammonia	> .02 mg/L	High	2003	PP - 35/188 Potentially Impaired; VP - 15/71 Verified Impaired
03 2290	Tampa Bay Tributaries	1522C	BAKER CREEK	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	High	2003	PP - 37/115 Potentially Impaired; VP - 12/77 Verified Impaired
03 2291	Tampa Bay Tributaries	1522C	BAKER CREEK	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	High	2003	PP - 34/117 Potentially Impaired; VP - 24/67 Verified Impaired
03 2292	Tampa Bay Tributaries	1522C	BAKER CREEK	STREAM	3F	Dissolved Oxygen	< 5.0 mg/l	High	2003	PP - 56/123 Potentially Impaired; VP - 43/82 Verified Impaired. Linked to nutrients (verified period total phosphorus median = 0.53 mg/l). Nitrogen is the limiting nutrient.
03 2293	Tampa Bay Tributaries	1522C	BAKER CREEK	STREAM	3F	Nutrients (Chlorophyll & Historic Chlorophyll)	median TN = 1.14 mg/l	High	2003	PP- Potentially Impaired; VP- Verified Impaired. For the current chlorophyll using annual average Chl(a) values exceeded 20 ug/l in 2000 & 2001. For the historical listing (1992-1996), annual average Chl(a) values in the verified period exceeded the minimum historical annual average value of 2.75 ug/l by more than 50% in 1997 (7.9 ug/l), 1998 (11.9 ug/l), 1999 (4.9 ug/l), 2000 (27.8 ug/l), 2001 (42.3 ug/l), and 2002 (9.9 ug/l). Nitrogen is the limiting nutrient based on a TN/TP ratio median of 2.1 (144 values) during the planning period and 2.3 (171 values) during the verified period. Parameter status was determined by using IWR Run 14.2 and analyzing the most current data available (data not yet incorporated into 14.2).

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Tampa Bay Tributaries Group 2 Basin - Southwest District - Verified List
Hydrologic Units - Alafia River, Hillsborough River, Little Manatee River, Manatee River

CQC Case Number	Basin Group Name	WBD	Water Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentration Causing Impairment ⁽¹⁾	Priority for TMDL Development ⁽²⁾	Projected Year For TMDL Development ⁽³⁾	Comment (# Exceedances/# Samples) PP=Planning Period; VP=Verified Period ⁽⁴⁾
03 2294	Tampa Bay Tributaries	1523C	CEDAR LAKE (EAST) - OPEN W	LAKE	3F	Nutrients (TSI)	median TN = 80 mg/L; median TP = .03 mg/L	Medium	2008	PP - Potentially Impaired; VP - Verified Impaired. Annual average TSI > 60 in 1998; TSI > 40 and Color < 40 in 2001. Nitrogen and phosphorus are limiting nutrients based on a TN/TP ratio median of 23.2 (154 values) in the planning period and 23.8 (177 values) during the verified period.
03 2295	Tampa Bay Tributaries	1523D	LAKE ECKLES - OPEN WATER	LAKE	3F	Nutrients (TSI)	median TP = .03 mg/L	Medium	2008	PP - Potentially Impaired; VP - Verified Impaired. Annual average TSI > 40 and Color < 40 in 1997 and 1999; TSI > 60 and Color < 40 in 2000. Phosphorus is the limiting nutrient based on a TN/TP ratio median of 37.3 (163 values) in the planning period and 36.6 (232 values) during the verified period.
03 2296	Tampa Bay Tributaries	1534	COW HOUSE CREEK	STREAM	1	Dissolved Oxygen	< 5.0 mg/L	High	2003	PP - 5/6 Potentially Impaired; VP - 18/22 Verified Impaired. Linked to nutrients (verified period total phosphorus median = 0.49 mg/L). Nitrogen is the limiting nutrient.
03 2297	Tampa Bay Tributaries	1542A	MILL CREEK	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Low	2008	PP - 122/186 Potentially Impaired; VP - 38/93 Verified Impaired
03 2298	Tampa Bay Tributaries	1542A	MILL CREEK	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Low	2008	PP - 166/212 Potentially Impaired; VP - 73/105 Verified Impaired
03 2300	Tampa Bay Tributaries	1543	LAKE HUNTER	LAKE	3F	Lead	> e (1.273) (1.4, 7.05) ⁽⁴⁾	Medium	2008	PP - 151/7 Potentially Impaired; VP - 21/24 Verified Impaired
03 2301	Tampa Bay Tributaries	1543	LAKE HUNTER	LAKE	3F	Nutrients (TSI)	median TN = 2.95 mg/L; median TP = .21 mg/L	High	2003	PP - Potentially Impaired; VP - Verified Impaired. Annual average TSI > 60 and Color < 40 from 1991-1994 and 1996-1998; TSI > 60 from 1999-2002. Nitrogen and phosphorus are limiting nutrients based on a TN/TP ratio median of 13.4 (216 values) in the planning period and 15.1 (134 values) during the verified period.
04 0846	Tampa Bay Tributaries	1543	LAKE HUNTER	LAKE	3F	Turbidity	> 29 NTUs above background	Medium	2008	PP - 11/38 Potentially Impaired; VP - 20/42 Verified Impaired. TMDL for nutrients is being completed, should address turbidity issue.
03 2302	Tampa Bay Tributaries	1547A	LAKE VAL RICO	LAKE	3F	Nutrients (TSI)	median TN = 1.24 mg/L; median TP = .07 mg/L	Medium	2008	PP - Potentially Impaired; VP - Verified Impaired. Annual average TSI > 60 in 1998 and 2001. Nitrogen and phosphorus are limiting nutrients based on a TN/TP ratio median of 12.4 (107 values) in the planning period and 17.5 (164 values) during the verified period.
03 2303	Tampa Bay Tributaries	1547C	LAKE WEEKS - OPEN WATER	LAKE	3F	Nutrients (TSI)	median TN = 2.27 mg/L; median TP = .22 mg/L	Medium	2008	PP - Potentially Impaired; VP - Verified Impaired. Annual average TSI > 60 in 1999. Nitrogen and phosphorus are limiting nutrients based on a TN/TP ratio median of 10.7 (41 values) in the planning period and 10.7 (53 values) during the verified period.
03 2304	Tampa Bay Tributaries	1552	ENGLISH CREEK	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Medium	2008	PP - 3/17 Not Impaired; VP - 13/41 Verified Impaired.
03 2305	Tampa Bay Tributaries	1552	ENGLISH CREEK	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Medium	2008	PP - 14/19 Potentially Impaired; VP - 24/31 Verified Impaired
03 2306	Tampa Bay Tributaries	1553A	LAKE SILVER	LAKE	3F	Nutrients (TSI)	median TN = .93 mg/L; median TP = .04 mg/L	Medium	2008	PP - Potentially Impaired; VP - Verified Impaired. Annual average TSI > 60 in 1997. Nitrogen and phosphorus are limiting nutrients based on a TN/TP ratio median of 25.3 (102 values) in the planning and verified periods.

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Tampa Bay Tributaries Group 2 Basin - Southwest District - Verified List
Hydrologic Units - Alafia River, Hillsborough River, Little Manatee River, Manatee River

OSCC Case Number	Basin Group Name	WRIID	Water Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentration Causing Impairment ⁽¹⁾	Priority for TMDL Development ⁽²⁾	Projected Year For TMDL Development ⁽³⁾	Comments (# Exceedances/# Samples) PP-Planning Period VP-Verified Period ⁽³⁾
03 2307	Tampa Bay Tributaries	1561	SPARKMAN BRANCH	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	High	2003	PP - 1/5 Insufficient data; VP - 6/21 Verified Impaired. Parameter status was determined by using IWR Run 14.2 and analyzing the most current data available (data not yet incorporated into 14.2).
03 2308	Tampa Bay Tributaries	1561	SPARKMAN BRANCH	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	High	2003	PP - 0/1 Insufficient data; VP - 5/21 Verified Impaired. Parameter status was determined by using IWR Run 14.2 and analyzing the most current data available (data not yet incorporated into 14.2).
03 2309	Tampa Bay Tributaries	1561	SPARKMAN BRANCH	STREAM	3F	Dissolved Oxygen	< 5.0 mg/l	High	2003	PP - 3/5 Potentially Impaired; VP - 12/21 Verified Impaired. Linked to nutrients (verified period total phosphorus median = 0.44 mg/l). Nitrogen is the limiting nutrient. Parameter status was determined by using IWR Run 14.2 and analyzing the most current data available (data not yet incorporated into 14.2).
03 2310	Tampa Bay Tributaries	1578B	TURKEY CK ABOVE LITTLE ALAFIA	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Low	2008	PP - 93/189 Potentially Impaired; VP - 65/130 Verified Impaired
03 2311	Tampa Bay Tributaries	1578B	TURKEY CK ABOVE LITTLE ALAFIA	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Low	2008	PP - 56/217 Potentially Impaired; VP - 49/125 Verified Impaired
03 2312	Tampa Bay Tributaries	1578B	TURKEY CK ABOVE LITTLE ALAFIA	STREAM	3F	Nutrients (Historic Chlorophyll)	median TN = 2.60 mg/l	Low	2008	PP - Potentially Impaired; VP - Verified Impaired. For the historical listing (1995-1999), annual average Chl(a) values in the verified period exceeded the minimum historical annual average value of 1.79 ug/l by more than 50% in 2000 (11.3 ug/l), 2001 (3.7 ug/l), and 2002 (4.9 ug/l). Nitrogen is the limiting nutrient based on a TN/TP ratio median of 3.2 (253 values) during the planning period and 3.3 (162 values) in the verified period. Parameter status was determined by using IWR Run 14.2 and analyzing the most current data available (data not yet incorporated into 14.2).
03 2313	Tampa Bay Tributaries	1583	POLEY CREEK	STREAM	3F	Dissolved Oxygen	< 5.0 mg/l	Medium	2008	PP - 5/28 Potentially Impaired; VP - 7/85 Verified Impaired. Linked to BOD (verified period median = 3.0 mg/l) and nutrients (verified period total phosphorus median = 0.66 mg/l). Nitrogen is the limiting nutrient.
03 2314	Tampa Bay Tributaries	1621A	ALAFIA RIVER ABOVE HILLS. BAY	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Medium	2008	PP - 22/133 Potentially Impaired; VP - 30/96 Verified Impaired
03 2315	Tampa Bay Tributaries	1621A	ALAFIA RIVER ABOVE HILLS. BAY	STREAM	3F	Dissolved Oxygen	< 5.0 mg/l	Medium	2008	PP - 78/330 Potentially Impaired; VP - 107/358 Verified Impaired. Linked to nutrients (verified period total phosphorus median = 0.32 mg/l). Nitrogen is the limiting nutrient.
03 2316	Tampa Bay Tributaries	1621A	ALAFIA RIVER ABOVE HILLS. BAY	STREAM	3F	Nutrients (Chlorophyll & Historic Chlorophyll)	median TN = 1.5 mg/l	Medium	2008	PP - Potentially Impaired; VP - Verified Impaired. For the current chlorophyll listing, annual average Chl(a) values exceeded 20 ug/l from 2000-2002. For the historical listing (1991-1999), annual average Chl(a) values in the verified period exceeded the minimum historical annual average value of 2.14 ug/l by more than 50% in 2000 (80.8 ug/l), 2001 (26.7 ug/l), and 2002 (28.1 ug/l). Nitrogen is the limiting nutrient based on a TN/TP ratio median of 1.3 (220 values) in the planning period and 1.6 (221 values) in the verified period. Parameter status was determined by using IWR Run 14.2 and analyzing the most current data available (data not yet incorporated into 14.2).

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Tampa Bay Tributaries Group 2 Basin - Southwest District - Verified List
Hydrologic Units - Alafia River, Hillsborough River, Little Manatee River, Manatee River

OGC Case Number	Basin Group Name	WBID	Water Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentration Causing Impairment ⁽¹⁾	Priority for TMDL Development ⁽²⁾	Projected Year for TMDL Development ⁽³⁾	Comment (# Exceedances/# Samples) PP-Planning Period VP-Verified Period ⁽⁴⁾
03 2317	Tampa Bay Tributaries	1621D	NORTH PRONG ALAFIA RIVER	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Medium	2008	PP - 15/128 Potentially Impaired; VP - 18/72 Verified Impaired
03 2318	Tampa Bay Tributaries	1621E	NORTH PRONG ALAFIA RIVER	STREAM	3F	Dissolved Oxygen	< 5.0 mg/l	Low	2008	PP - 48/115 Potentially Impaired; VP - 49/121 Verified Impaired. Linked to nutrients (verified period total phosphorus median = 5.7 mg/l). Nitrogen is the limiting nutrient.
03 2319	Tampa Bay Tributaries	1621G	ALAFIA RIVER ABOVE HILLS BAY	ESTUARY	3M	Dissolved Oxygen	< 4.0 mg/l and less than 5.0 mg/l as daily average	Low	2008	PP - 179/879 Potentially Impaired; VP - 160/880 Verified Impaired. Linked to nutrients (verified period total nitrogen = 1.0; verified period total phosphorus median = 0.49 mg/l). Nitrogen is the limiting nutrient.
03 2321	Tampa Bay Tributaries	1621G	ALAFIA RIVER ABOVE HILLS BAY	ESTUARY	3M	Nutrients (Chlorophyll)	median TN = 1.0 mg/l	Low	2008	PP - Potentially Impaired; VP - Verified Impaired. Annual average Chl(a) values exceeded 11 ug/l in 1991, 1992, 1997, 1999, 2000, & 2002. Nitrogen is the limiting nutrient based on a TN/TP ratio median of 1.5 (248 values) during the planning period and 2.1 (133 values) during the verified period.
03 2322	Tampa Bay Tributaries	1639	THIRTYMILE CREEK	STREAM	3F	Dissolved Oxygen	< 5.0 mg/l	High	2003	PP - 25/53 Potentially Impaired; VP - 52/107 Verified Impaired. Linked to nutrients (verified period total nitrogen median = 2.74 mg/l, verified period total phosphorus median = 1.82 mg/l). Nitrogen is the limiting nutrient.
03 2323	Tampa Bay Tributaries	1639	THIRTYMILE CREEK	STREAM	3F	Nutrients (Chlorophyll)	median TN = 2.74 mg/l	High	2003	PP - Not Impaired; VP - Verified Impaired. Annual average Chl(a) values exceeded 20 ug/l in 2002. Nitrogen is the limiting nutrient based on a TN/TP ratio median of 1.5 (87 values) during the verified period.
03 2324	Tampa Bay Tributaries	1645	BIRD BRANCH SOUTH PRONG ALAFIA RIVER	STREAM	3F	Dissolved Oxygen	< 5.0 mg/l	Medium	2008	PP - 51/7 Potentially Impaired; VP - 7/22 Verified Impaired. Linked to nutrients (verified period total phosphorus median = 0.84 mg/l). Nitrogen is the limiting nutrient.
03 2325	Tampa Bay Tributaries	1653	THIRTYMILE CREEK	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Low	2008	PP - 34/255 Potentially Impaired; VP - 38/151 Verified Impaired
03 2327	Tampa Bay Tributaries	1697	LAKE BRANCH LITTLE MANATEE RIVER	STREAM	3F	Dissolved Oxygen	< 5.0 mg/l	Medium	2008	PP - 223 Not Impaired; VP - 12/65 Verified Impaired. Linked to BOD (verified period median = 3.0 mg/l) and nutrients (verified period total phosphorus median = 0.33 mg/l). Nitrogen is the limiting nutrient.
03 2328	Tampa Bay Tributaries	1742A	LITTLE MANATEE RIVER	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Low	2008	PP - 42/151 Potentially Impaired; VP - 23/144 Verified Impaired
03 2329	Tampa Bay Tributaries	1742A	LITTLE MANATEE RIVER	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Low	2008	PP - 41/153 Potentially Impaired; VP - 38/111 Verified Impaired
03 2331	Tampa Bay Tributaries	1742B	N. FORK LITTLE MANATEE RIVER	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Medium	2008	PP - 80/246 Potentially Impaired; VP - 30/172 Verified Impaired
03 2332	Tampa Bay Tributaries	1742B	N. FORK LITTLE MANATEE RIVER	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Medium	2008	PP - 83/254 Potentially Impaired; VP - 61/155 Verified Impaired
03 2333	Tampa Bay Tributaries	1768	ALDERMANN CREEK SO FORK LITTLE MANATEE RIVER	STREAM	3F	Dissolved Oxygen	< 5.0 mg/l	Medium	2008	PP - 17/66 Potentially Impaired; VP - 10/34 Verified Impaired. Linked to nutrients (verified period total phosphorus median = 1.02 mg/l). Nitrogen is the limiting nutrient.
03 2334	Tampa Bay Tributaries	1790	SO FORK LITTLE MANATEE RIVER	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Low	2008	PP - 12/38 Potentially Impaired; VP - 13/54 Verified Impaired
03 2335	Tampa Bay Tributaries	1790	SO FORK LITTLE MANATEE RIVER	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Low	2008	PP - 93/8 Potentially Impaired; VP - 8/43 Verified Impaired
03 2336	Tampa Bay Tributaries	1807A	MANATEE RIVER	STREAM	1	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Medium	2008	PP - 13/69 Potentially Impaired; VP - 19/119 Verified Impaired
03 2337	Tampa Bay Tributaries	1807A	MANATEE RIVER	STREAM	1	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Medium	2008	PP - 13/87 Potentially Impaired; VP - 15/104 Verified Impaired

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Tampa Bay Tributaries Group 2 Basin - Southwest District - Verified List
Hydrologic Units - Alafia River, Hillsborough River, Little Manatee River, Manatee River

OCG Case Number	Basin Group Name	WBD	Water Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentration Causing Impairment ^h	Priority for TMDL Development ^(a)	Projected Year For TMDL Development ^(c)	Comment (# Exceedances/# Samples) PP-Planning Period VP=Verified Period ^(b)
03 2338	Tampa Bay Tributaries	1807B	LAKE MANATEE RESERVOIR	LAKE	1	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Medium	2008	PP - 28/120 Potentially Impaired; VP - 37/187 Verified Impaired. For the 1998 303(d) analysis, the station data were incorrectly assigned to WBD 1840.
03 2339	Tampa Bay Tributaries	1807B	LAKE MANATEE RESERVOIR	LAKE	1	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Medium	2008	PP - 34/175 Potentially Impaired; VP - 42/209 Verified Impaired. For the 1998 303(d) analysis, the station data were incorrectly assigned to WBD 1840.
03 2340	Tampa Bay Tributaries	1807B	LAKE MANATEE RESERVOIR	LAKE	1	Dissolved Oxygen	< 5.0 mg/l	Medium	2008	PP - 248/614 Potentially Impaired; VP - 88/273 Verified Impaired. Linked to nutrients (verified period total phosphorus median = 0.29 mg/l). Nitrogen is the limiting nutrient. For the 1998 303(d) analysis, the station data were incorrectly assigned to WBD 1840.
03 2341	Tampa Bay Tributaries	1807D	MANATEE RIVER NORTH FORK	STREAM	1	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Medium	2008	PP - 213 Not Impaired; VP - 82/273 Verified Impaired
03 2342	Tampa Bay Tributaries	1879	GAMBLE CREEK	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	High	2003	PP - 23/33 Potentially Impaired; VP - 28/59 Verified Impaired
03 2343	Tampa Bay Tributaries	1879	GAMBLE CREEK	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	High	2003	PP - 11/19 Potentially Impaired; VP - 21/44 Verified Impaired
03 2345	Tampa Bay Tributaries	1848B	MANATEE RIVER BELOW DAM	ESTUARY	3M	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Medium	2008	PP - 16/33 Potentially Impaired; VP - 17/65 Verified Impaired
03 2346	Tampa Bay Tributaries	1848B	MANATEE RIVER BELOW DAM	ESTUARY	3M	Nutrients (Chlorophyll)	median TN = 1.14 mg/l	Medium	2008	PP - Potentially Impaired; VP - Verified Impaired. Annual average Chl(a) values exceeded 11 ug/l in 1992, 1996, 1999, & 2002. Nitrogen is the limiting nutrient based on a TN/TP ratio median of 2.5 (63 values) during the planning period and 2.7 (69 values) during the verified period.
03 2347	Tampa Bay Tributaries	1849C	WARES CREEK	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	High	2003	PP - No data; VP - 82/22 Verified Impaired
03 2348	Tampa Bay Tributaries	1849C	WARES CREEK	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	High	2003	PP - No data; VP - 82/22 Verified Impaired
04 0850	Tampa Bay Tributaries	1872	MILL CREEK	STREAM	3F	Dissolved Oxygen	< 5.0 mg/l	Medium	2008	PP - No data; VP - 7/21 Verified Impaired. Linked to TP (median = 0.42 mg/l)
03 2379	Tampa Bay Tributaries	1876	BRADEN RIVER BEOWARD LAKE	ESTUARY	3M	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Medium	2008	PP - 8/38 Potentially Impaired; VP - 11/59 Verified Impaired
03 2350	Tampa Bay Tributaries	1876	BRADEN RIVER BEOWARD LAKE	ESTUARY	3M	Coliforms (Fecal Coliform)	> 2400 colonies per 100 ml	Medium	2008	PP - 10/49 Potentially Impaired; VP - 12/60 Verified Impaired
03 2351	Tampa Bay Tributaries	1889	GAP CREEK	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	High	2003	PP - 1/1 Insufficient data; VP - 6/20 Verified Impaired
03 2352	Tampa Bay Tributaries	1901	WILLIAMS CREEK	STREAM	3F	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	High	2003	PP - 1/1 Insufficient data; VP - 17/21 Verified Impaired
03 2353	Tampa Bay Tributaries	1901	WILLIAMS CREEK	STREAM	3F	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	High	2003	PP - 1/1 Insufficient data; VP - 17/21 Verified Impaired
03 2354	Tampa Bay Tributaries	1912	UNNAMED DRAIN	STREAM	1	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Medium	2008	PP - 34/67 Potentially Impaired; VP - 38/77 Verified Impaired
03 2355	Tampa Bay Tributaries	1912	UNNAMED DRAIN	STREAM	1	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Medium	2008	PP - 52/144 Potentially Impaired; VP - 42/103 Verified Impaired
03 2356	Tampa Bay Tributaries	1913	UNNAMED STREAM	STREAM	1	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Low	2008	PP - 17/57 Potentially Impaired; VP - 18/63 Verified Impaired
03 2357	Tampa Bay Tributaries	1913	UNNAMED STREAM	STREAM	1	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Low	2008	PP - 52/128 Potentially Impaired; VP - 36/90 Verified Impaired
03 2358	Tampa Bay Tributaries	1913	UNNAMED STREAM	STREAM	1	Dissolved Oxygen	< 5.0 mg/l	Low	2008	PP - 63/141 Potentially Impaired; VP - 39/95 Verified Impaired. Linked to BOD (verified period BOD median = 2.8 mg/l). Nitrogen is the limiting nutrient.
03 2359	Tampa Bay Tributaries	1914	BRADEN RIVER ABOVE WARD LAKE	STREAM	1	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Low	2008	PP - 55/256 Potentially Impaired; VP - 67/287 Verified Impaired
03 2360	Tampa Bay Tributaries	1914	BRADEN RIVER ABOVE WARD LAKE	STREAM	1	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Low	2008	PP - 137/617 Potentially Impaired; VP - 98/421 Verified Impaired

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Tampa Bay Tributaries Group 2 Basin - Southwest District - Verified List
Hydrologic Units - Alafia River, Hillsborough River, Little Manatee River, Manatee River

OGC Case Number	Basin Group Name	WBD	Water Segment Name	Waterbody Type	Waterbody Class	Parameters Assessed Using the Impaired Waters Rule	Concentration Causing Impairment ⁽¹⁾	Priority for TMDL Development ⁽²⁾	Projected Year for TMDL Development ⁽³⁾	Comment (# Exceedances/# Samples) PP=Planning Period VP=Verified Period ⁽⁴⁾
03 2362	Tampa Bay Tributaries	1914A	WARD LAKE	LAKE	1	Nutrients (TSI)	median TN = .99 mg/l	Medium	2008	PP - Potentially Impaired; VP - Verified Impaired. Annual average TSI > 60 in 1999 and 2000. Nitrogen is the limiting nutrient based on a TN/TP ratio median of 3.2 (346 values) in the planning and 3.5 (245 values) during the verified periods.
03 2363	Tampa Bay Tributaries	1923	RATTLESNAKE SLOUGH	STREAM	1	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Low	2008	PP - 29/66 Potentially Impaired; VP - 32/72 Verified Impaired
03 2364	Tampa Bay Tributaries	1923	RATTLESNAKE SLOUGH	STREAM	1	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Low	2008	PP - 54/137 Potentially Impaired; VP - 43/100 Verified Impaired
03 2365	Tampa Bay Tributaries	1923	RATTLESNAKE SLOUGH	STREAM	1	Dissolved Oxygen	< 5.0 mg/l	Low	2008	PP - 59/147 Potentially Impaired; VP - 35/105 Verified Impaired. Linked to BOD (verified period median = 2.6 mg/l) and nutrients (verified period total phosphorus median = 0.37 mg/l). Nitrogen is the limiting nutrient.
03 2366	Tampa Bay Tributaries	1926	CEDAR CREEK	STREAM	1	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Low	2008	PP - 20/57 Potentially Impaired; VP - 27/72 Verified Impaired
03 2367	Tampa Bay Tributaries	1926	CEDAR CREEK	STREAM	1	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Low	2008	PP - 47/123 Potentially Impaired; VP - 41/86 Verified Impaired
03 2368	Tampa Bay Tributaries	1926	CEDAR CREEK	STREAM	1	Dissolved Oxygen	< 5.0 mg/l	Low	2008	PP - 69/133 Potentially Impaired; VP - 43/102 Verified Impaired. Linked to BOD (verified period median = 2.4 mg/l).
03 2369	Tampa Bay Tributaries	1930A	COOPER CREEK	STREAM	1	Coliforms (Fecal Coliform)	> 400 colonies per 100 ml	Medium	2008	PP - 37/118 Potentially Impaired; VP - 40/135 Verified Impaired.
03 2370	Tampa Bay Tributaries	1930A	COOPER CREEK	STREAM	1	Coliforms (Total Coliform)	> 2400 colonies per 100 ml	Medium	2008	PP - 42/117 Potentially Impaired; VP - 45/122 Verified Impaired
03 2371	Tampa Bay Tributaries	1930A	COOPER CREEK	STREAM	1	Dissolved Oxygen	< 5.0 mg/l	Medium	2008	PP - 34/122 Potentially Impaired; VP - 39/138 Verified Impaired. Linked to BOD (verified period median = 2.5 mg/l). Nitrogen is the limiting nutrient.

(1) For nutrients, these are median concentrations calculated from data generated from January, 1996, through December, 2002 (the Verified Period). The specific concentration of nutrients causing the impairment is unknown at this time.
(2) Priorities were retained from the 1998 303(d) list (i.e., High or Low), but High, Medium, and Low are used for newly listed waters identified under the IWR.
(3) Planning Period (PP) - 1/1/1991 to 12/31/2000, Verified Period (VP) - 1/1/1996 to 6/30/2003.
(4) For metals criteria involving equations with hardness (i.e., metals that are hardness dependent), the hardness shall be set at 25 mg/L if actual hardness is < 25 mg/L and set at 400 mg/L if actual hardness is > 400 mg/L.

⁽¹⁾ "In H" means the natural logarithm of total hardness expressed as milligrams/L of CaCO₃.

The Group 2 Tampa Bay Tributaries Basin Verified List is based on IWR Run 14.2. (Note: However, additional data were used from sources not yet incorporated into IWR 14.2 to determine parameter status for WBIDs 1522C, 1561, 1578B, and 1621A).

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Apalachicola - Chipola Group 2 Basin - Northwest District - Delist List Hydrologic Units - Apalachicola River, Chipola River

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1996 303(d) Parameters of Concern	Parameters Assessed Using the IWR	Comments PP=Planning Period VP=Verified Period (#Exceedances/#Samples)
03 2697	Apalachicola Bay	1274	Apalachicola Bay	Estuary	2	Nutrients	Nutrients (Chla)	PP - Potentially Impaired VP - Not Impaired Chlorophyll: 6 years of annual means; Range of annual means: 1 - 5.09 ug/L; Mean of annual means: 3.832 ug/L
03 2699	Apalachicola Bay	1274B	Apalachicola Bay	Estuary	2	Coliforms	Fecal Coliform	PP - 126/2832 Not Impaired VP - 79/1459 Not Impaired
03 2700	Apalachicola Bay	1274B	Apalachicola Bay	Estuary	2	Nutrients	Nutrients (Chla)	PP - Insufficient data VP - Not Impaired Chlorophyll: 2 years of annual means; Range of annual means: 4.57-10.76 ug/L; Mean of annual means: 7.67 ug/L
03 2701	Apalachicola River	375E	Apalachicola River	Stream	3F	Coliforms	Total Coliform	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 0/20 Not Impaired VP - 0/9 Insufficient data
03 2702	Apalachicola River	375E	Apalachicola River	Stream	3F	Coliforms	Fecal Coliform	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 0/20 Not Impaired VP - 0/9 Insufficient data
03 2703	Apalachicola River	487	Flat Creek	Stream	3F	Total Suspended Solids	Turbidity	This segment is being delisted because there were sufficient Turbidity data for making the planning list assessment. PP - 2/10 Not Impaired; VP - 0/1 Insufficient data (Based upon Turbidity data)
03 2704	Apalachicola River	487	Flat Creek	Stream	3F	Turbidity	Turbidity	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 2/10 Not Impaired; VP - 0/1 Insufficient data
03 2705	Apalachicola River	1109A	Equiloxie Creek	Stream	3F	Turbidity	Turbidity	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 0/29 Not Impaired VP - 0/9 Insufficient data
03 2706	Chattahoochee River/Lake Seminole	60	Lake Seminole	Lake	3F	Dissolved Oxygen	Dissolved Oxygen	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 1/32 Not Impaired VP - 1/17 Insufficient data
03 2707	Chipola River	51A	Dead Lake	Stream	3F	Coliforms	Total Coliform	PP - 0/29 Not Impaired VP - 0/20 Not Impaired
03 2708	Chipola River	51A	Dead Lake	Stream	3F	Coliforms	Fecal Coliform	PP - 1/37 Not Impaired VP - 0/20 Not Impaired
03 2709	Chipola River	51A	Dead Lake	Stream	3F	Turbidity	Turbidity	PP - 3/81 Not Impaired VP - 1/20 Not Impaired

1. PP - Planning Period (January, 1991 through December, 2000); VP - Verified Period (January, 1996 through June 2003)

Based upon IWR 14.2, December 2003

May 18, 2004

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Florida Department of Environmental Protection

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Charlotte Harbor Group 2 Basin - South District - Delist List
Hydrologic Units - Charlotte Harbor, Sarasota Bay

CGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1998-2003 (d) Parameters of Concern	Parameters Assessed Using the IWR	COMMENTS Expenditures# Samples) PP-Planning Period VP=Verified Period	(#
03 2710	LEMON BAY	1983A	LEMON BAY	ESTUARY	3M	DISSOLVED OXYGEN	DISSOLVED OXYGEN	PP - 72/1039; VP - 52/736	
03 2711	LEMON BAY	2030	ALLIGATOR CREEK	ESTUARY	3M	NUTRIENTS	NUTRIENTS (CHLA)	PP - Chla not impaired; VP - Chla not impaired. The annual average Chla concentrations for 1999 was 7.91 and 2000 was 9.60. Individual Chla observations range from 1.0 to 48.7 ug/L. Total N for VP= 20	
03 2712	PINE ISLAND	2085F	MATLACHA PASS	ESTUARY	2	NUTRIENTS	NUTRIENTS (CHLA)	PP - Chla not impaired; VP - Chla not impaired. The annual average Chla concentration for 2002 was 5.76. Individual Chla observations range from 0.5 to 63.1 ug/L. Total N for VP= 180.	

1. PP - Planning Period represents 1/1991 - 12/2000 VP - Verified Period represents 1/1996 - 6/2003

Note: Charlotte Harbor Group 2 Delist List (DL) is based on FDEP IWR 14.2.

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Lower St. Johns Group 2/Northeast District-Delist List
Hydrologic Units: St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1996 303(d) Parameters of Concern	Parameter Assessed Using the WVR	COMMENTS: (If Exceeded, # Samples, Pre Planning Period, VP - Verified Period)
03 2713	Lower St. Johns River	2203A	TROUT RIVER	ESTUARY	3M	CADMIUM	CADMIUM	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 0/13; VP - No data
03 2714	Lower St. Johns River	2203A	TROUT RIVER	ESTUARY	3M	NUTRIENTS	NUTRIENTS (CHLA)	PP - Chla not impaired; VP - Chla not impaired. Annual average Chla concentrations over the 1992-1996 period (5 values) ranged from 3.30 to 7.26 ug/l, with a mean of 5.33 ug/l. Individual Chla observations range from 0.9 to 36.1 ug/l
03 2715	Lower St. Johns River	2205C	ICWW	ESTUARY	3M	COLIFORMS	FECAL COLIFORMS	PP - 5/120 Not impaired; VP - 0/22 Not impaired
03 2716	Lower St. Johns River	2205C	ICWW	ESTUARY	3M	COLIFORMS	TOTAL COLIFORMS	PP - 6/120 Not impaired; VP - 0/22 Not impaired
03 2717	Lower St. Johns River	2205C	ICWW	ESTUARY	3M	DISSOLVED OXYGEN	DISSOLVED OXYGEN	PP - 10/146 Not impaired; VP - 1/28 Not impaired
03 2718	Lower St. Johns River	2206	LITTLE TROUT RIVER	STREAM	3F	NUTRIENTS	NUTRIENTS (CHLA)	PP - Chla insufficient data; VP - Chla not impaired. The annual average Chla concentration for 2002 was 2.07 ug/l. Individual Chla observations range from 0.8 to 12.0 ug/l (N=10 observations).
03 2719	Lower St. Johns River	2213A	STJ RIVER ABOVE MOUTH	ESTUARY	3M	TOTAL SUSPENDED SOLIDS	TOTAL SUSPENDED SOLIDS	Delist based upon turbidity data, which meets standards. (PP - 0/152 Not impaired; VP - 0/102 Not impaired)
03 2720	Lower St. Johns River	2213B	STJ RIVER ABOVE ICWW	ESTUARY	3M	COLIFORMS	FECAL COLIFORMS	PP - 5/374 Not impaired; VP - 0/65 Not impaired
03 2721	Lower St. Johns River	2213B	STJ RIVER ABOVE ICWW	ESTUARY	3M	COLIFORMS	TOTAL COLIFORMS	PP - 1/383 Not impaired; VP - 0/54 Not impaired
03 2722	Lower St. Johns River	2213B	STJ RIVER ABOVE ICWW	ESTUARY	3M	TOTAL SUSPENDED SOLIDS	TOTAL SUSPENDED SOLIDS	Delist based upon turbidity data, which meets standards. (PP - 9/754 Not impaired; VP - 12/456 Not impaired)
03 2723	Lower St. Johns River	2213B	STJ RIVER ABOVE ICWW	ESTUARY	3M	TURBIDITY	TURBIDITY	PP - 9/754 Not impaired; VP - 12/456 Not impaired
03 2724	Lower St. Johns River	2213C	STJ RIVER ABOVE DAMES PT	ESTUARY	3M	TOTAL SUSPENDED SOLIDS	TOTAL SUSPENDED SOLIDS	Delist based upon turbidity data, which meets standards. (PP - 0/357 Not impaired; VP 0/218 Not impaired)
03 2725	Lower St. Johns River	2213C	STJ RIVER ABOVE DAMES PT	ESTUARY	3M	TURBIDITY	TURBIDITY	PP - 0/357 Not impaired; VP - 0/218 Not impaired
03 2727	Lower St. Johns River	2213D	STJ RIVER ABOVE TROUT RIVER	ESTUARY	3M	COLIFORMS	FECAL COLIFORMS	PP - 13/428 Not impaired; VP - 3/325 Not impaired
03 2728	Lower St. Johns River	2213D	STJ RIVER ABOVE TROUT RIVER	ESTUARY	3M	COLIFORMS	TOTAL COLIFORMS	PP - 13/357 Not impaired; VP - 0/218 Not impaired

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Lower St. Johns Group 2/Northeast District-Delisted List
Hydrologic Units: St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1995 303(d) Parameters of Concern	Parameter Assessed Using the IWR	COMMENTS (# Exceedences # Samples) Pre-Planning Period: VP - Violated/Failed
03 2729	Lower St. Johns River	2213D	STJ RIVER ABOVE TROUT RIVER	ESTUARY	3M	NUTRIENTS TOTAL SUSPENDED SOLIDS	NUTRIENTS (CHLA) TOTAL SUSPENDED SOLIDS	PP - Chla not impaired; VP - Chla not impaired. Annual average Chla concentrations over the 1992-2002 period (11 values) ranged from 1.7 to 8.7 ug/l, with a mean of 5.8 ug/l. Individual Chla observations ranged from 0.8 to 63.7 ug/l. Delist based upon turbidity data, which meets standards. (PP - 8/788 Not impaired; VP - 17/755 Not impaired)
03 2730	Lower St. Johns River	2213D	STJ RIVER ABOVE TROUT RIVER	ESTUARY	3M	TURBIDITY	TURBIDITY	PP - 8/788 Not impaired; VP - 17/755 Not impaired
03 2731	Lower St. Johns River	2213D	STJ RIVER ABOVE WARREN BRIDGE	ESTUARY	3M	COLIFORMS	FECAL COLIFORMS	PP - 21/142 Not impaired; VP - 1/25 Not impaired This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 13/167 Not impaired; VP - 0/1 Insufficient data
03 2732	Lower St. Johns River	2213E	STJ RIVER ABOVE WARREN BRIDGE	ESTUARY	3M	COLIFORMS	TOTAL COLIFORMS	PP - 6/242 Not impaired; VP - 1/299 Not impaired
03 2733	Lower St. Johns River	2213F	STJ RIVER ABOVE PINEY PT	ESTUARY	3M	COLIFORMS	FECAL COLIFORMS	PP - 3/194 Not impaired; VP - 0/220 Not impaired
03 2734	Lower St. Johns River	2213F	STJ RIVER ABOVE PINEY PT	ESTUARY	3M	COLIFORMS	TOTAL COLIFORMS	PP - 0/43 Not impaired; VP - 1/95 Not impaired PP - TSI Not impaired; VP - TSI Not impaired.
03 2735	Lower St. Johns River	2213G	STJ RIVER ABOVE DOCTOR LAKE	LAKE	3F	NUTRIENTS	NUTRIENTS (TSI)	Annual average TSI's over the 1994-2001 period (8 values) ranged from 53.9 to 59.6, with a mean of 56.1. Individual Chla observations ranged from 1.1 to 98.1 ug/l.
03 2737	Lower St. Johns River	2213G	STJ RIVER ABOVE DOCTOR LAKE	LAKE	3F	COPPER	COPPER	PP - 0/186 Not impaired; VP - 0/202 Not impaired PP - 1/186 Not impaired; VP - 0/162 Not impaired.
03 2738	Lower St. Johns River	2213K	STJ RIVER ABOVE TOCIO	LAKE	3F	LEAD	LEAD	PP - 4/265 Not impaired; VP - 3/229 Not impaired
03 2739	Lower St. Johns River	2213L	STJ RIVER ABOVE FEDERAL PT	LAKE	3F	CADMIUM	CADMIUM	PP - 2/265 Not impaired; VP - 0/262 Not impaired
03 2740	Lower St. Johns River	2213L	STJ RIVER ABOVE FEDERAL PT	LAKE	3F	COPPER	COPPER	PP - 3/265 Not impaired; VP - 0/229 Not impaired
03 2741	Lower St. Johns River	2213L	STJ RIVER ABOVE FEDERAL PT	LAKE	3F	LEAD	LEAD	PP - 2/89 Not impaired; VP - 0/40 Not impaired Delist based upon turbidity data, which meets standards. (PP - 2/161 Not impaired; VP - 1/86 Not impaired)
03 2742	Lower St. Johns River	2213P	ORTEGA RIVER	STREAM	3F	TOTAL SUSPENDED SOLIDS	TOTAL SUSPENDED SOLIDS	
03 2743	Lower St. Johns River	2213P	ORTEGA RIVER	STREAM	3F			
03 2744	Lower St. Johns River	2213P	ORTEGA RIVER	STREAM	3F			

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Lower St. Johns Group 2/Northeast District-Delist List
Hydrologic Units: St. Johns Lower

OGC Case Number	Basin Group Name	W3ID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1998 303(d) Parameters of Concern	Parameter Assessed Using the IWR	COMMENTS: (P=Exceeded; #=Exhaust) PP=Planning Period; VP=Verified Period
03 2745	Lower St. Johns River	2239	STRAWBERRY CREEK	STREAM	3F	NUTRIENTS	NUTRIENTS (CHLA)	PP - Chla insufficient; VP - Chla not impaired. The annual average Chla concentration for 2002 was 1.58 ug/l. Individual Chla observations ranged from 0.85 to 6.4 ug/l (N=16 observations). This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 7/49 Not impaired VP - 3/14 Insufficient data
03 2746	Lower St. Johns River	2262	CEDAR RIVER	STREAM	3F	COPPER	COPPER	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 6/50 Not impaired VP - 2/15 Insufficient data
03 2747	Lower St. Johns River	2262	CEDAR RIVER	STREAM	3F	TURBIDITY	TURBIDITY	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 0/52 Not impaired; VP - 0/14 Insufficient data
03 2748	Lower St. Johns River	2262	CEDAR RIVER	STREAM	3F	ZINC	ZINC	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 1/11 Not impaired; VP - 3/4 Insufficient data
03 2749	Lower St. Johns River	2262A	MCCOYS CREEK	STREAM	3F	COPPER	COPPER	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 1/11 Not impaired; VP - 1/4 Insufficient data
03 2750	Lower St. Johns River	2262A	MCCOYS CREEK	STREAM	3F	ZINC	ZINC	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 0/12 Not impaired; VP - 0/11 Insufficient data
03 2751	Lower St. Johns River	2265B	POTTSBURG CREEK	STREAM	3F	TURBIDITY	TURBIDITY	PP - 6/107 Not impaired; VP - 14/105 Not impaired
03 2752	Lower St. Johns River	2282	WILLS BRANCH	STREAM	3F	DISSOLVED OXYGEN	DISSOLVED OXYGEN	PP - Chla insufficient data; VP - Chla not impaired. The annual average Chla for 2002 was 0.92 ug/l. Individual Chla observations ranged from 0.8 to 18.8 ug/l (N=9 observations).
03 2753	Lower St. Johns River	2282	WILLS BRANCH	STREAM	3F	NUTRIENTS	NUTRIENTS (CHLA)	Delist based upon turbidity data, which meets standards. (PP - 1/11 Not impaired; VP - 0/6 Insufficient data)
03 2754	Lower St. Johns River	2324	FISHING CREEK	STREAM	3F	TOTAL SUSPENDED SOLIDS	TOTAL SUSPENDED SOLIDS	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 1/11 Not impaired; VP - 0/6 Insufficient data
03 2755	Lower St. Johns River	2324	FISHING CREEK	STREAM	3F	TURBIDITY	TURBIDITY	Insufficient data

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Lower St. Johns Group 2/Northeast District-Delist List
Hydrologic Units: St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1998 303(d) Parameters of Concern	Parameter Assessed Using the IWR	COMMENTS (# Exceedances of Samples) PP - Planning Period; VP - Violated Period
03 2757	Lower St. Johns River	2326	GOODBYS CREEK	STREAM	3F	NUTRIENTS	NUTRIENTS (CHLA)	PP - Chla insufficient data; VP - Chla not impaired. The annual average Chla concentration for 2002 was 10.8 ug/l. Individual Chla observations ranged from 0.85 to 60.0 ug/l (total of 10 observations).
03 2758	Lower St. Johns River	2351	JULINGTON CREEK	STREAM	3F	COLIFORMS	FECAL COLIFORMS ⁴	PP - 14/57 Potentially impaired; VP - 7/41 Not impaired
03 2759	Lower St. Johns River	2351	JULINGTON CREEK	STREAM	3F	COLIFORMS	TOTAL COLIFORMS	PP - 9/40 Potentially impaired; VP - 3/35 Not impaired
03 2760	Lower St. Johns River	2351	JULINGTON CREEK	STREAM	3F	NUTRIENTS	NUTRIENTS (CHLA)	PP - Chla not impaired; VP - Chla not impaired. Annual average Chla concentrations over the 1997-2001 period (5 values) ranged from 0.9 to 13.8 ug/l, with a mean of 7.74 ug/l. Individual Chla observations ranged from 0.53 to 68.1 ug/l.
03 2761	Lower St. Johns River	2351	JULINGTON CREEK	STREAM	3F	TOTAL SUSPENDED SOLIDS	TOTAL SUSPENDED SOLIDS	Delist based upon turbidity data, which meets standards. (PP - 2/81 Not impaired; VP - 0/74 Not impaired)
03 2762	Lower St. Johns River	2351	JULINGTON CREEK	STREAM	3F	TURBIDITY	TURBIDITY	PP - 2/81 Not impaired; VP - 0/74 Not impaired
03 2763	Lower St. Johns River	2389	DOCTORS LAKE	LAKE	3F	CADMIUM	CADMIUM	PP - 3/93 Not impaired; VP - 1/83 Not impaired
03 2764	Lower St. Johns River	2389	DOCTORS LAKE	LAKE	3F	COLIFORMS	FECAL COLIFORMS	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 2/30 Not impaired; VP - No data
03 2765	Lower St. Johns River	2389	DOCTORS LAKE	LAKE	3F	COLIFORMS	TOTAL COLIFORMS	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 3/44 Not impaired; VP - No data
03 2766	Lower St. Johns River	2389	DOCTORS LAKE	LAKE	3F	DISSOLVED OXYGEN	DISSOLVED OXYGEN	PP - 7/446 Not impaired; VP - 17/451 Not impaired
03 2767	Lower St. Johns River	2389	DOCTORS LAKE	LAKE	3F	LEAD	LEAD	PP - 1/93 Not impaired; VP - 2/81 Not impaired
03 2768	Lower St. Johns River	2407	GROG BRANCH	STREAM	3F	DISSOLVED OXYGEN	DISSOLVED OXYGEN	PP - 3/6 Potentially impaired; VP - 4/20 Not impaired
03 2769	Lower St. Johns River	2410	SWIMMING PEN CREEK	STREAM	3F	CADMIUM	CADMIUM	PP - 4/85 Not impaired; VP - 2/76 Not impaired
03 2770	Lower St. Johns River	2410	SWIMMING PEN CREEK	STREAM	3F	LEAD	LEAD	PP - 2/87 Not impaired; VP - 0/75 Not impaired
03 2771	Lower St. Johns River	2410	SWIMMING PEN CREEK	STREAM	3F	TOTAL SUSPENDED SOLIDS	TOTAL SUSPENDED SOLIDS	Delist based upon turbidity data, which meets standards. (PP - 0/69 Not impaired; VP - 0/76 Not impaired)
03 2772	Lower St. Johns River	2410	SWIMMING PEN CREEK	STREAM	3F	ZINC	ZINC	PP - 1/69 Not impaired; VP - 0/77 Not impaired

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Lower St. Johns Group 2/Northeast District-Delist List
Hydrologic Units: St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1996 303(d) Parameters of Concern	Parameter Assessed Using the IWR	COMMENTS (# Exceedances of Samples) Pre-Planning Period: VP - Verifying Period
03 2773	Lower St. Johns River	2411	SIXMILE CREEK	STREAM	3F	LEAD	LEAD	PP - 2/104 Not impaired; VP - 0/79 Not impaired
03 2774	Lower St. Johns River	2411	SIXMILE CREEK	STREAM	3F	NUTRIENTS	NUTRIENTS (CHLA)	PP - Chla potentially impaired; VP - Chla not impaired. Annual average Chla concentrations over the 1991-2001 period (11 values) ranged from 8.12 to 22.69 ug/l, with a mean of 13.91 ug/l. Individual Chla observations ranged from 0.2 to 98.3 ug/l.
03 2775	Lower St. Johns River	2415B	BLACK CREEK	STREAM	3F	CADMIUM	CADMIUM	PP - 5/97 Not impaired; VP - 1/78 Not impaired
03 2776	Lower St. Johns River	2415B	BLACK CREEK	STREAM	3F	IRON	IRON	PP - 7/107 Not impaired; VP - 2/80 Not impaired
03 2777	Lower St. Johns River	2415C	BLACK CREEK S. FORK	STREAM	3F	IRON	IRON	PP - 7/103 Not impaired; VP - 2/79 Not impaired
03 2778	Lower St. Johns River	2415C	BLACK CREEK S. FORK	STREAM	3F	NUTRIENTS	NUTRIENTS (CHLA)	PP - Chla not impaired; VP - Chla not impaired. Annual average Chla values over the 1991-2001 period (11 values) ranged from 0.17 to 2.70 ug/l, with a mean value of 0.88 ug/l.
03 2779	Lower St. Johns River	2444	PETERS CREEK	STREAM	3F	CADMIUM	CADMIUM	PP - 10/152 Not impaired VP - 6/166 Not impaired
03 2780	Lower St. Johns River	2444	PETERS CREEK	STREAM	3F	COLIFORMS	FECAL COLIFORMS	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 7/27 Not impaired; VP - 5/14 Insufficient data
03 2781	Lower St. Johns River	2444	PETERS CREEK	STREAM	3F	IRON	IRON	PP - 16/154 Not impaired; VP - 8/169 Not impaired
03 2782	Lower St. Johns River	2444	PETERS CREEK	STREAM	3F	LEAD	LEAD	PP - 14/49 Potentially impaired; VP - 4/46 Not impaired
03 2783	Lower St. Johns River	2444	PETERS CREEK	STREAM	3F	NUTRIENTS	NUTRIENTS (CHLA)	PP - Chla not impaired; VP - Chla not impaired. Based on annual average Chla values over the 1995-2001 period (7 values), annual values ranged from 2.73 to 6.56 ug/l with a mean of 4.22 ug/l. Individual Chla observations ranged from 0.51 to 15.7 ug/l.
03 2784	Lower St. Johns River	2460	MILL CREEK	STREAM	3F	COLIFORMS	FECAL COLIFORMS	PP - 0/4 Insufficient data; VP - 2/21 Not impaired
03 2785	Lower St. Johns River	2460	MILL CREEK	STREAM	3F	COLIFORMS	TOTAL COLIFORMS	PP - 0/1 Insufficient data; VP - 3/22 Not impaired

5/27/04
JLC

Lower St. Johns Group 2/Northeast District-Delist List
Hydrologic Units:St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1996 303(d) Parameters of Concern	Parameter Assessed Using the IWR	COMMENTS (# Exceedances of Samples) (Pre-Planning Period - Pre-Worked Period)
03 2786	Lower St. Johns River	2460	MILL CREEK	STREAM	3F	IRON	IRON	PP - No data; VP - No data. No measurements over the 1989 - 2002 period. Propose to delist based on administrative error.
03 2787	Lower St. Johns River	2478	GREENE CREEK	STREAM	3F	BOD	BOD	Delisted based on low BOD values and adequate DO levels. Between 1991-2000, there were 9 BOD values, all of which were below the threshold used to identify causative pollutants (range of 0.5 to 2.0 mg/l, and a mean = 1.23 mg/l). For DO, there was 1 exceedance out of 7 values during the PP and no exceedances out of 8 values in the VP.
03 2789	Lower St. Johns River	2492	TOCOI CREEK	STREAM	3F	NUTRIENTS	NUTRIENTS (CHLA)	PP - Chla not impaired VP - Chla not impaired. Annual average Chla concentrations over the 1997-2001 period (5 values) ranged from 1.1 to 13.1 ug/l, with a mean of 4.3 ug/l. Individual observations of Chla ranged from 0.51 to 48.1 ug/l.
03 2790	Lower St. Johns River	2540	MOCCASIN BRANCH	STREAM	3F	NUTRIENTS	NUTRIENTS (CHLA)	PP - Chla not impaired; VP - Chla not impaired. Annual average Chla concentrations over the 1997-2001 period (5 values) ranged from 0.6 to 1.4 ug/l, with a mean of 1.1 ug/l. Individual Chla observations ranged from 0.27 to 4.7 ug/l.
03 2791	Lower St. Johns River	2549	DEEP CREEK	STREAM	3F	CADMIUM	CADMIUM	PP - 1/105 Not impaired; VP - 0/80 Not impaired
03 2792	Lower St. Johns River	2549	DEEP CREEK	STREAM	3F	COPPER	COPPER	PP - 2/106 Not impaired; VP - 0/80 Not impaired
03 2793	Lower St. Johns River	2549	DEEP CREEK	STREAM	3F	IRON	IRON	PP - 15/107 Potentially impaired; VP - 8/78 Not impaired
03 2794	Lower St. Johns River	2549	DEEP CREEK	STREAM	3F	LEAD	LEAD	PP - 3/106 Not impaired; VP - 1/80 Not impaired
03 2795	Lower St. Johns River	2567A	RICE CREEK	STREAM	3F	CADMIUM	CADMIUM	PP - 6/99 Not impaired; VP - 3/75 Not impaired
03 2796	Lower St. Johns River	2567A	RICE CREEK	STREAM	3F	DISSOLVED OXYGEN	DISSOLVED OXYGEN	PP - 53/272 Potentially impaired; VP - 31/301 Not impaired. Summary statistics consider a DO criterion of 5.0 mg/l during the December - May period and an alternative DO criterion of 4.0 mg/l for June - November in Rice Creek based on Georgia Pacific permit.
03 2797	Lower St. Johns River	2567A	RICE CREEK	STREAM	3F	IRON	IRON	PP - 10/101 Not impaired; VP - 4/76 Not impaired
03 2798	Lower St. Johns River	2567A	RICE CREEK	STREAM	3F	LEAD	LEAD	PP - 6/91 Not impaired; VP - 1/72 Not impaired

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Lower St. Johns Group 2/Northeast District-Delist List
Hydrologic Units:St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1998 303(d) Parameters of Concern	Parameter Assessed Using the WVR	COMMENTS (# Exceedences/ # Samples) Pre Planning Period, VP - Verified Period
03 2799	Lower St. Johns River	2567A	RICE CREEK	STREAM	3F	NUTRIENTS	NUTRIENTS (CHLA)	PP - Chla not impaired; VP - Chla not impaired. Annual average Chla concentrations over the 1991-2001 period (11 values) ranged from 4.7 to 18.3 ug/l, with a mean of 11.1 ug/l. Individual Chla observations ranged from 0.12 to 66.8 ug/l.
03 2800	Lower St. Johns River	2567A	RICE CREEK	STREAM	3F	TOTAL SUSPENDED SOLIDS	TOTAL SUSPENDED SOLIDS	Delist based upon turbidity data, which meets standards. (PP - 2/127 Not impaired; VP - 0/75 Not impaired)
03 2801	Lower St. Johns River	2567A	RICE CREEK	STREAM	3F	TURBIDITY	TURBIDITY	PP - 2/127 Not impaired; VP - 0/75 Not impaired
03 2802	Lower St. Johns River	2567B	RICE CREEK	STREAM	3F	COLIFORMS	FECAL COLIFORMS	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 1/14 Not impaired VP - 1/10 Insufficient data
03 2803	Lower St. Johns River	2567B	RICE CREEK	STREAM	3F	IRON	IRON	PP - 7/41 Potentially impaired; VP - 3/36 Not impaired
03 2804	Lower St. Johns River	2567B	RICE CREEK	STREAM	3F	LEAD	LEAD	PP - 5/34 Not impaired; VP - 2/29 Not impaired
03 2805	Lower St. Johns River	2569	WEST RUN INTERCEPTER D	STREAM	3F	NUTRIENTS	NUTRIENTS (CHLA)	PP - Chla not impaired; VP - Chla not impaired. Annual average Chla concentrations over the 1997-2001 period (5 values) ranged from 1.78 to 11.63 ug/l, with a mean of 7.36 ug/l. Individual Chla observations ranged from 0.6 to 46.0 ug/l.
03 2806	Lower St. Johns River	2569	WEST RUN INTERCEPTER D	STREAM	3F	TOTAL SUSPENDED SOLIDS	TOTAL SUSPENDED SOLIDS	Delist based upon turbidity data, which meets standards. (PP - 8/167 Not impaired; VP - 7/132 not impaired)
03 2807	Lower St. Johns River	2569	WEST RUN INTERCEPTER D	STREAM	3F	TURBIDITY	TURBIDITY	PP - 8/167 Not impaired; VP - 7/132 not impaired
03 2808	Lower St. Johns River	2578	DOG BRANCH	STREAM	3F	LEAD	LEAD	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 0/40 Not impaired; VP - No data assessment. PP - Chla not impaired; VP - Chla not impaired.
03 2809	Lower St. Johns River	2578	DOG BRANCH	STREAM	3F	NUTRIENTS	NUTRIENTS (CHLA)	Annual average Chla concentrations over the 1997-2001 period (5 values) ranged from 3.33 to 16.40 ug/l, with a mean of 6.94 ug/l. Individual Chla observations ranged from 0.7 to 70.2 ug/l.
03 2810	Lower St. Johns River	2578	DOG BRANCH	STREAM	3F	TURBIDITY	TURBIDITY	PP - 5/153 Not impaired; VP - 3/117 Not impaired
03 2812	Lower St. Johns River	2622A	HAW CREEK ABOVE CRESCENT LAKE	STREAM	3F	LEAD	LEAD	PP - 8/43 Potentially impaired; VP - 3/30 Not impaired

5/20/04
JLC

Lower St. Johns Group 2/Northeast District-Delist List
Hydrologic Units: St. Johns Lower

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1998 303(d) Parameters of Concern	Parameter Assessed Using the IWR	COMMENTS: # Exceedances # Samples Pre Planning Period, VP - Verified Period
03 2813	Lower St. Johns River	2630A	LITTLE HAW CREEK	STREAM	3F	COLIFORMS	FECAL COLIFORMS	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 2/11 Not Impaired; VP - 6/14 Insufficient data

1. PP - Planning period represents 1/1991 - 12/2000 VP - Verified period represents 1/1996 - 6/2003.

Assessment based on IWR Run 14.2.

May 18, 2004

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5/18/04
CIC

Florida Department of Environmental Protection

Middle St. Johns Group 2/Central District - Delist List
Hydrologic Units: St. Johns River, Upper

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1998 303(d) Parameters of Concern	Parameters Assessed Using the WTR	Comments (# Exceedances/# Samples) PP = Planning Period; VP = Violated Period
03 2814	Middle St. Johns	2893C	St. Johns River Above Wekiva River	Stream	3F	Dissolved Oxygen	Dissolved Oxygen	PP - 40/324 values below DO criterion. VP - 22/207 values below DO criterion. 550 DO values, median 6.91 mg/l, mean 6.85 mg/l, range 1.61 - 13.8 mg/l.
03 2815	Middle St. Johns	2893C	St. Johns River Above Wekiva River	Stream	3F	Lead	Lead	PP - 0/35 values exceed criterion, range 0 - 4.21 ug/L. VP - 0/33 values exceed criterion. 51 Pb values, median 0.5 ug/l, mean 0.8 ug/l, range 0 - 4.21 ug/L.
03 2816	Middle St. Johns	2893C	St. Johns River Above Wekiva River	Stream	3F	Total Suspended Solids	Turbidity	343 TSS (total nonfilterable residue) values, median 10.0 mg/L, range 1.0 - 140 mg/L. Addressed by analysis of turbidity data. Turbidity currently is not impaired.
03 2817	Middle St. Johns	2893D [Called 2893D (& 2893C) on 1998 303(d) list]	Lake Monroe	Lake	3F	Lead	Lead	PP - 3/48 values exceed criterion, range 0 - 6.4 ug/L. VP - 0/39 values exceed criterion, range 0.01 - 3.0 ug/L. 62 Pb values, median 1.0 ug/l, mean 1.10 ug/l, range 0 - 6.4 ug/l.
03 2818	Middle St. Johns	2893D [Called 2893D (& 2893C) on 1998 303(d) list]	Lake Monroe	Lake	3F	Selenium	Selenium	PP - 7/22 values exceed criterion. VP - 3/23 values exceed criterion. 63 Selenium values, median 0.5 ug/l, mean 6.69 ug/l, range 0 - 113 ug/l.
03 2819	Middle St. Johns	2893D [Called 2893D (& 2893C) on 1998 303(d) list]	Lake Monroe	Lake	3F	Un-ionized Ammonia	Un-ionized Ammonia	PP - 0/16 values exceed criterion, range 0 - 0.01 mg/L, mean 0.001 mg/L. VP - 0/15 values exceed criterion, range 0 - 0.01 mg/L, mean 0.001 mg/L.
03 2820	Middle St. Johns	2893Z	St. Johns River Above Lake George	Stream	3F	Dissolved Oxygen	Dissolved Oxygen	Dissolved oxygen is naturally low, and bioassessment data indicate that aquatic life use support is being maintained (Passing bioassessments in 1992, 1993, and 1994). Nutrients (TN and TP) are within acceptable ranges. 100 TN values, median 1.28 mg/l. 98 TP values, median 0.07 mg/l. No BOD data available. PP - 42/112 values below DO criterion. VP - 35/92 values below DO criterion. 303 DO values, median 5.67 mg/l, mean 5.60 mg/l, range 0.37 - 10.43 mg/l.

5/27/04
K.C.

Middle St. Johns Group 2/Central District - Delist List
Hydrologic Units: St. Johns River, Upper

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1988 303(d) Parameters of Concern	Parameters Assessed Using the IWR	Comments: (# Exceedances/# Samples) PP = Planning Period, VP = Verified Period
03 2821	Middle St. Johns	2893Z	St. Johns River Above Lake George	Stream	3F	Nutrients	Nutrients (Chla)	According to Rule 62-303.720, F.A.C., this segment of the river can be delisted because there were three consecutive chla annual means below 20 ug/l in 2000, 2001, and 2002. PP - 3 chla annual means exceeded 20 ug/l (1992, 1993, 1999), 118 TN values, median 1.24 mg/L, 119 TP values, median 0.07 mg/L. VP - 1 chla annual mean exceeded 20 ug/l (1999), 94 TN values, median 1.273 mg/L, 92 TP values, median 0.07 mg/L. The annual mean chla concentrations were: 1991-13.6 ug/l, 1992-28.4 ug/l, 1993-20.4 ug/l, 1994-16.8 ug/l, 1995-13.0 ug/l, 1996-12.2 ug/l, 1997-11.7 ug/l, 1998-14.2 ug/l, 1999-20.3 ug/l, 2000-8.8 ug/l, 2001-18.0 ug/l, and 9.9 ug/l. 107 chla values, mean 14.82 ug/l, range 0.16 - 59.0 ug/l.
03 2822	Middle St. Johns	2893Z	St. Johns River Above Lake George	Stream	3F	Total Suspended Solids	Turbidity	149 TSS (total nonfilterable residue) values, median 8.0 mg/L, range 2.2 - 32 mg/L. Addressed by analysis of turbidity data. Turbidity currently is not impaired.
03 2823 03 2824	Middle St. Johns	2929A	Black Water Creek	Stream	3F	Cadmium	Cadmium	PP - 4/90 values exceed criterion, range 0.00 - 13.6 ug/L, mean 0.46 mg/L. VP - 2/71 values exceed criterion, range 0.00 - 3.6 ug/L, mean 0.21 ug/L.
	Middle St. Johns	2929A	Black Water Creek	Stream	3F	Dissolved Oxygen	Dissolved Oxygen	Dissolved oxygen is naturally low, and bioassessment data indicate that aquatic life use support is being maintained (9 passing bioassessments 1992 - 2001. Nutrients (TN and TP) are within acceptable ranges. 176 DO values, median 5.4 mg/l, mean 5 mg/l.
03 2825	Middle St. Johns	2929A	Black Water Creek	Stream	3F	Iron	Iron	PP - 16/98 values exceed criterion, range 0.023 - 2.583 ug/L, mean 0.584 ug/L. VP - 10/86 values exceed criterion, range 0.023 - 2.583 ug/L, mean 0.584 ug/L.
03 2826	Middle St. Johns	2929A	Black Water Creek	Stream	3F	Lead	Lead	PP - 5/90 values exceed criterion, range 0.00 - 9.39 ug/L, mean 3.62 ug/L. VP - 1/68 values exceed criterion, range 0.00 - 3.2 ug/L, mean 0.834 ug/L.
03 2827	Middle St. Johns	2929A	Black Water Creek	Stream	3F	Nutrients	Nutrients (Chla)	PP - 0 Chla annual means exceeded 20 ug/l, 247 chla values, range of chla values 0 - 26.1 ug/l, mean chla over entire period 0.98 ug/l. VP - 0 Chla annual means exceeded 20 ug/l, 182 chla values, range of chla values 0 - 26.1 ug/l, mean over entire period 1.26 ug/L. The annual mean chla concentrations were: 1991-0.23 ug/l, 1992-0.35 ug/l, 1993-0.61 ug/l, 1994-0.61 ug/l, 1995-0.38 ug/l, 1996-1.97 ug/l, 1997-4.31 ug/l, 1998-0.22 ug/l, 1999-0.70 ug/l, 0.61 ug/l. 119 TN values, median 1.35 mg/l, 128 TP values, median 0.05 mg/l.

5/27/04
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Middle St. Johns Group 2/Central District - Delist List
Hydrologic Units: St. Johns River, Upper

OGC Case Number	Basin Group Name	WEID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1998 303(d) Parameters of Concern	Parameters Assessed Using the IWR	Comments (If Exceedances/ Samples) PP - Planning Period VP - Violation Period
03 2828	Middle St. Johns	2929A	Black Water Creek	Stream	3F	Selenium	Selenium	PP - 10/39 values exceed criterion, range 0.00 - 62 ug/L, mean 3.6 ug/L. VP - 7/42 values exceed criterion, range 0.00 - 15.6 ug/L, mean 1.6 ug/L.
03 2929	Middle St. Johns	2929A	Black Water Creek	Stream	3F	Zinc	Zinc	PP - 2/84 values exceed criterion, range 0.00 - 342 ug/L, mean 14.6 ug/L. VP - 0/71 values exceed criterion, range 0.00 - 18 ug/L, mean 5.3 ug/L.
03 2830	Middle St. Johns	2956C	Wekiva Spring (Orange)	Stream	3F	Nutrients	Nutrients (Chla)	PP - 0 chla annual means exceeded 20 ug/l (1994 & 1996), 35 chla values, range of chla values 0 - 16.3 ug/L, mean chla over entire period 1.37 ug/L. VP - 0 chla annual means exceeded 20 ug/l (1996), 5 chla values, range 0 - 3.5 ug/L, mean chla over entire period 1.72 ug/L. The annual mean chla concentrations for 1994 was 0.28 ug/l and for 1996 was 1.28 ug/l. 13 TN values, median 1.31 mg/l. 13 TP values, 0.07 mg/l.
03 2831	Middle St. Johns	2956C	Wekiva Spring (Orange)	Stream	3F	Coliform Bacteria	Total Coliform Bacteria	This segment is being delisted because there were sufficient data for the planning list assessment. PP - 0/11 values exceed criterion, range 4-81 colonies/100 ml. VP - 0/5 values exceed criterion, range 4-81 colonies/100 ml.
03 2832	Middle St. Johns	2962	Smith Canal	Stream	3F	Nutrients	Nutrients (Chla)	PP - Insufficient data available to calculate an annual mean, 18 chla values, range of chla values 0 - 33 ug/L, mean chla 1.25 ug/L over entire period. VP - 0 chla annual means exceeded 20 ug/l (2001-2002), 17 chla values, range of chla values 0.44 - 19.4 ug/L, mean chla 5.57 ug/L over entire period. The annual mean chla concentrations for 2001 was 3.66 ug/l and for 2002 was 5.47 ug/l. 33 TN values, median 1.04 mg/l. 32 TP values, median 0.20 mg/l.
03 2833	Middle St. Johns	2962	Smith Canal	Stream	3F	Coliform Bacteria	Total Coliform Bacteria	PP - 0/0 values exceed criterion. VP - 4/20 values exceed criterion. Range 240 - 4,900 colonies/100 ml.
03 2834	Middle St. Johns	2964A	Lake Harney	Lake	3F	Cadmium	Cadmium	This segment is being delisted because there were sufficient data for the planning list assessment. PP - 2/25 values exceed criterion, range 0.5 - 3 ug/L, mean 0.55 mg/L. VP - 1/6 values exceed criterion, range 0.0 - 1.08 ug/L, mean 0.43 mg/L.

5/2/04
S/C

Middle St. Johns Group 2/Central District - Delist List
Hydrologic Units: St. Johns River, Upper

DGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1998 303(d) Parameters of Concern	Parameters Assessed Using the IWR	Comments (if Exceedances or Samples) PP: Planning Period VP: Verified Period
03 2835	Middle St. Johns	2967	Rock Springs Run	Stream	3F	Nutrients	Nutrients (Chla)	PP - 0 chla annual means exceed 20 ug/l (1991-1994, 1996) 87 chla values, range of chla values 0 - 19.4 ug/l, mean chla over entire period 1.74 ug/l. VP - 0 chla annual means exceed threshold (1996), 17 chla values, range of chla values 0 - 19.4 ug/l, mean chla 2.14 ug/l over entire period. The annual mean chla concentrations were 1991-1.2 ug/l, 1992-1.09 ug/l, 1993-0.55 ug/l, 1994-3.06 ug/l, and 1996-1.55 ug/l. 25 TN values, 1.31 mg/l. 24 TP values, 0.09 mg/l.
03 2836	Middle St. Johns	2981A	Lake Jesup Near St. Johns River	Lake	3F	Dissolved Oxygen	Dissolved Oxygen	PP - 7/101 values below DO criterion, range 2.05 - 19.12 mg/l, mean 8.67 mg/l. VP - 7/87 values below DO criterion, range 1.75 - 19.12 mg/l, mean 8.76 mg/l.
03 2837	Middle St. Johns	2986	Soldier Creek Reach	Stream	3F	Dissolved Oxygen	Dissolved Oxygen	Low dissolved oxygen is a natural condition, and based on bioassessment results, aquatic life use support is being maintained (passing bioassessments in 1996, 2000, and 2002). Nutrients (TN and TP) and BOD are all within acceptable ranges. 270 TN values, median 0.97 mg/l. 270 TP values, median 0.14 mg/l. 21 BOD values, median 1.0 mg/l. PP - 36/192 values below DO criterion. VP - 37/177 values below DO criterion. 275 DO values, median 6.38 mg/l, mean 5.98 mg/l, range 0.12 - 10.82 mg/l. The dominant landuse is defined as urban (59% of total).
03 2838	Middle St. Johns	2986	Soldier Creek Reach	Stream	3F	Nutrients	Nutrients (Chla)	PP - 0 chla annual means exceed 20 ug/l. VP - 0 chla annual means exceed 20 ug/l. 262 chla values, mean 2.52 ug/l, median 0.7 ug/l, range 0.0 - 42.7. The annual mean chla concentrations were: 1992-2.05 ug/l, 1994-1.09 ug/l, 1995-3.88 ug/l, 1996-3.88 ug/l, 1997-2.32 ug/l, 1998-4.70 ug/l, 1999-2.44 ug/l, and 2000-3.61 ug/l. 270 TN values, median 0.97 mg/l. 270 TP values, median 0.14 mg/l.
03 2839	Middle St. Johns	2987	Little Wekiva River	Stream	3F	Nutrients	Nutrients (Chla)	PP - 0 chla annual means exceed 20 ug/l. 47 chla values, mean 5.31 ug/l, range 0 - 67.2 ug/l. VP - 0 chla annual means exceed 20 ug/l. 41 chla values, mean 5.80 ug/l, range 0.01 - 67.2 ug/l. The annual chla mean concentrations were: 1994-6.3 ug/l, 1995-4.0 ug/l, 1996-13.2 ug/l, 1997-8.6 mg/l, 1998-5.6 ug/l, 1999-7.2 ug/l, 2000-4.8 ug/l, 2001-8.4 ug/l, and 2002-18.6 ug/l. 270 TN values, median 0.97 mg/l. 270 TP values, median 0.14 mg/l.

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Middle St. Johns Group 2/Central District - Delist List
Hydrologic Units: St. Johns River, Upper

DGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1998 303(d) Parameters of Concern	Parameters Assessed Using the IWR	Comments (# Exceedances / # Samples) PP= Planning Period, VP= Verified Period
03 2840	Middle St. Johns	2987	Little Wekiva River	Stream	3F	Nutrients	Nutrients (Chla)	PP - 0 chla annual means exceeded 20 ug/l. 47 chla values, mean 5.31 ug/l, range 0 - 67.2 ug/l. VP - 0 chla annual means exceeded 20 ug/l. 41 chla values, mean 5.80 ug/l, range 0.01 - 67.2 ug/l. The annual chla mean concentrations were: 1994-6.3 ug/l, 1995-4.0 ug/l, 1996-13.2 ug/l, 1997-8.6 mg/l, 1998-5.6 ug/l, 1999-7.2 ug/l, 2000-4.8 ug/l, 2001-3.4 ug/l, and 2002-18.6 ug/l. 270 TN values, median 0.97 mg/l. 270 TP values, median 0.14 mg/l.
03 2841	Middle St. Johns	2991A	Econlockhatchee River	Stream	3F	BOD	BOD	Median BOD is below screening level (181 BOD values, median 1.7 mg/l, range 0 - 6.6 mg/l), and DO is not impaired.
03 2842	Middle St. Johns	2991A	Econlockhatchee River	Stream	3F	Dissolved Oxygen	Dissolved Oxygen	Low dissolved oxygen is a natural condition, and based on bioassessment results, aquatic life use support is being maintained. [Passing bioassessments in 1996, 1999, and 2002). Nutrients (TN and TP) and BOD all within acceptable ranges. 190 TN values, median 0.97 mg/l. 196 TP values, median 0.09 mg/l. 181 BOD values, median 1.7 mg/l. PP - 62/374 values below DO criterion. VP - 27/190 values below DO criterion. 374 DO values, median 6.4 mg/L, mean 6.5 mg/L, range 2.1 - 11.7 mg/L. The two dominant land uses in this area are upland forests (21% of total) and wetlands (37% of total).
03 2843	Middle St. Johns	2991A	Econlockhatchee River	Stream	3F	Coliform Bacteria	Fecal Coliform Bacteria	PP - 12/209 values exceed criterion, range 2 - 1,800 colonies/100ml. VP - 5/55 values exceed criterion, range 1 - 1,900 colonies/100ml.
03 2844	Middle St. Johns	2991A	Econlockhatchee River	Stream	3F	Nutrients	Nutrients (Chla)	PP - 0 chla annual means exceeded 20 ug/l. 833 chla values, range of chla values 0 - 33 ug/l, mean chla over entire period 1.53 ug/L. VP - 0 chla annual means exceeded 20 ug/l. 103 chla values, range of chla values 0.01 - 18.8 ug/L, mean chla over entire period 2.04 ug/L. The annual chla concentrations were: 1991-1.4 ug/l, 1992-1.2 ug/l, 1993-1.6 ug/l, 1994-1.1 ug/l, 1995-1.7 ug/l, 1996-2.6 ug/l, 2001-1.0 ug/l, and 2002-1.6 ug/l. 190 TN values, median 0.97 mg/l. 196 TP values, median 0.09 mg/l.
03 2845	Middle St. Johns	2991A	Econlockhatchee River	Stream	3F	Coliform Bacteria	Total Coliform Bacteria	PP - 1/93 values exceed criterion, range 8.0 - 2600 colonies/100ml. VP - 0/16 values exceed criterion, range 8 - 570 colonies/100ml.

5/2/04
5/2/04

Middle St. Johns Group 2/Central District - Delist List
Hydrologic Units: St. Johns River, Upper

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1998 303(d) Parameters of Concern	Parameters Assessed Using the IWR	Comments (# Exceedences / # Samples) PP - Planning Period VP - Verified Period
03 2846	Middle St. Johns	2993	Lake Prevatt	Lake	3F	Coliform Bacteria	Fecal Coliform Bacteria	This segment is being delisted because there were sufficient data for the planning list assessment. PP - 2/20 values exceed criterion, range 2.0 - 620 colonies/100ml. VP - 1/5 values exceed criterion, range 6.0 - 540 colonies/100ml.
03 2847	Middle St. Johns	2993	Lake Prevatt	Lake	3F	Nutrients	Nutrients (TSI)	PP - 0 TSI annual means exceeded 60, 63 chla values, range of chla values 0 - 83.1 ug/L, mean chla over entire period 20.36 ug/L. VP - 0 TSI annual means exceeded 60, 15 chla values, range of chla values 0 - 68 ug/L, mean chla over entire period 8.12 ug/L. The TSI annual means were 1994-57.6 and 1996-45.8. 11 TN values, median 1.02 mg/L. 11 TP values, median 0.03 mg/L.
03 2848	Middle St. Johns	2993	Lake Prevatt	Lake	3F	Coliform Bacteria	Total Coliform Bacteria	This segment is being delisted because there were sufficient data for the planning list assessment. PP - 1/19 values exceed criterion, range 2.0 - 7700 colonies/100ml. VP - 0/5 values exceed criterion, range 40.0 - 2100 colonies/100ml.
03 2849	Middle St. Johns	2994A	Gee Creek	Stream	3F	Nutrients	Nutrients (Chla)	PP - 0 chla annual means exceeded 20 ug/l, 429 chla values, range of chla values 0 - 24.7 ug/L, mean chla over entire period 3.49 ug/L. VP - 0 chla annual means exceeded 20 ug/l, 279 chla values, range of chla values 0 - 24.7 ug/L, mean chla over entire period 3.76 ug/L. The annual mean chla concentrations were: 1992-3.1 ug/l, 1994 3.7 ug/l, 1995-3.1 ug/l, 1996-3.8 ug/l, 1997-3.4 ug/l, 1998-6.1 ug/l, and 1999-3.5 ug/l. 98 TN values, median 0.91 mg/l. 98 TP values, median 0.12 mg/l.
03 2850	Middle St. Johns	3001	Little Econlockhatchee River	Stream	3F	BOD	BOD	While BOD median is at screening level (537 BOD values, median 2.0 mg/l, range 0.1 - 20.4 mg/l), the DO is not impaired. BOD data has shown an improving trend in verified period. 80% of the BOD values present in the verified period are less than or equal to the MDL.
03 2851	Middle St. Johns	3001	Little Econlockhatchee River	Stream	3F	Dissolved Oxygen	Dissolved Oxygen	Dissolved oxygen is naturally low, and bioassessment data indicate that aquatic life use support is being maintained (Passing bioassessments in 1996, 1999, 2000 and 2002). Nutrients (TN and TP) and BOD are all within acceptable ranges. 348 TN values, median 0.92 mg/l. 367 TP values, median 0.09 mg/l. 537 BOD values, median 2.0 mg/l. PP - 137/413 values below DO criterion. VP - 70/297 values below DO criterion. 656 DO values, median 5.8 mg/L, mean 5.83 mg/L, range 0.17 - 61.3 mg/L.

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Middle St. Johns Group 2/Central District - Delist List
Hydrologic Units: St. Johns River, Upper

OGC Case Number	Basin Group Name	WBID	Waterbody Segment Name	Waterbody Type	Waterbody Class	1988 303(d) Parameters of Concern	Parameter(s) Assessed Using the IWR	Comments ¹ (If Exceedance(s) Sampling PP - Planning Period; VP - Verified Period)
03 2852	Middle St. Johns	3001	Little Econlockhatchee River	Stream	3F	Nutrients	Nutrients (Chla)	PP - 0 chla annual means exceeded 20 ug/l, 514 chla values, range of chla values 0 - 107 ug/L, mean chla over entire period 4.99 ug/L. VP - 0 chla annual means exceeded 20 ug/l, 271 chla values, range of chla values 0.38 - 107 ug/L, mean chla over entire period 3.92 ug/L. The annual mean chla concentrations were: 1991-7.9 ug/l, 1992-5.2 ug/l, 1993-2.5 ug/l, 1994-3.1 ug/l, 1995-4.0 ug/l, 1996-8.7 ug/l, 1997-3.0 ug/l, 1998-2.7 ug/l, 1999-2.6 ug/l, 2000-3.1 ug/l, 2001-1.5 ug/l, and 2002-1.1 ug/l. 348 TN values, median 0.92 mg/l. 367 TP values, median 0.09 mg/l.
03 2853	Middle St. Johns	3001	Little Econlockhatchee River	Stream	3F	Coliform Bacteria	Total Coliform Bacteria	PP - 46/334 values exceed criterion. VP - 26/206 values exceed criterion, coliform median 510 colonies/100mL, range 0 - 12,000 colonies/100mL. No more than 6 values per month.
03 2854	Middle St. Johns	3004	Little Wekiva Canal	Stream	3F	Coliform Bacteria	Total Coliform Bacteria	PP - 14/93 values exceed criterion. VP - 7/61 values exceed criterion. Coliform median 730 colonies/100ml, range 40 - 8,000 colonies/100ml. No more than 4 values per month.
03 2855	Middle St. Johns	3014	Crane Strand Drain	Stream	3F	Nutrients	Nutrients (Chla)	PP - Insufficient data available to calculate annual mean. VP - 0 chla annual means exceeded 20 ug/l, 18 chla values, range of chla values 1.4 - 35 ug/L, mean chla over entire period 8.32 ug/L. The annual mean chla concentration for 2002 was 7.9 ug/l. 30 TN values, median 0.71 mg/l. 28 TP values, median 0.12 mg/l.
03 2856	Middle St. Johns	3030	Long Branch	Stream	3F	Nutrients	Nutrients (Chla)	PP - Insufficient data available to calculate annual mean, 12 chla values, range of chla values 0 - 1.99 ug/L, mean chla over entire period 1.14 ug/L. VP - 0 chla annual means exceeded 20 ug/l, 16 chla values, range of chla values 1.4 - 35.8 ug/L, mean chla over entire period 9.42 ug/L. The annual mean chla concentration in 2001 was 6.0 ug/l and in 2002 was 13.9 ug/l. 27 TN values, median 0.82 mg/l. 30 TP values, median 0.20 mg/l.
03 2857	Middle St. Johns	3030	Long Branch	Stream	3F	Turbidity	Turbidity	PP - 1/5 values exceed criterion, range 5.4 - 42 NTU, mean 15.82 NTU. VP - 1/28 values exceed criterion, range 2.2 - 71 NTU, mean 12.05 NTU.

¹ PP - Planning Period (January, 1991 through December, 2000); VP - Verified Period (January, 1996 through June 30, 2003)

This Middle St. Johns Delist List is based on IWR2002 Run 14.2, except where noted.

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St. Lucie - Loxahatchee Group 2 Basin/ Southeast District - Delist List
Hydrologic Units: Southeast Florida Coast

OGC Case Number	Basin Group Names	WBID	Water Segment Name	Waterbody Type	Waterbody Class	1995-2014 Parameters of Concern	Parameters Assessed Using the Impaired Waters Rule (IWR)	Comments (# Exceedances/ # Samples) PP=Planning Period VP=Verified Period
03 2858	Southeast Florida Coast	3163	FT. PIERCE FARM CANAL (BELCHER CANYON TAYLOR CK)	STREAM	3F	Nutrients	Nutrients (CHLA)	PP - Insufficient Data; VP - Not Impaired. The annual average Chla concentration for 2002 was 16.11 ug/L. Individual Chla observations range from 1.0 to 28.98 ug/L.
03 2599	Southeast Florida Coast	3208	MANATEE POCKET	ESTUARY	3M	Dissolved Oxygen	Dissolved Oxygen	PP - 8/290 Not Impaired; VP - 9/200 Not Impaired
03 2860	Southeast Florida Coast	3224B	KITCHINGS CREEK	STREAM	3F	Coliforms	Fecal Coliform	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - 0/10 Not Impaired; VP - 0/10 Insufficient Data
03 2861	Southeast Florida Coast	3224B	KITCHINGS CREEK	STREAM	3F	Coliforms	Total Coliform	PP - No Data; VP - No Data. Delisting based on a flaw in the original listing.
03 2862	Southeast Florida Coast	3226A	NW FORK LOXAHATCHEE	ESTUARY	2	Dissolved Oxygen	Dissolved Oxygen	PP - 0/42 Not Impaired; VP - 0/27 Not Impaired
03 2863	Southeast Florida Coast	3226A	NW FORK LOXAHATCHEE	ESTUARY	2	Nutrients	Nutrients (CHLA)	PP - Not Impaired; VP - Not Impaired. The annual average Chla concentration for 1999 was 4.01 ug/L. Individual Chla observations range from 1.2 - 11.31 ug/L.
03 2864	Southeast Florida Coast	3226C	SW FORK LOXAHATCHEE	ESTUARY	2	Dissolved Oxygen	Dissolved Oxygen	PP - 17/165 Not Impaired; VP - 10/82 Not Impaired
03 2865	Southeast Florida Coast	3226C	SW FORK LOXAHATCHEE	ESTUARY	2	Nutrients	Nutrients (CHLA)	PP - Not Impaired; VP - Not Impaired. The annual average Chla concentration for 1998 was 10.4 ug/L and for 1999 was 5.9 ug/L. Individual Chla observations range from 1.6 - 23.76 ug/L.
03 2866	Southeast Florida Coast	3226C	SW FORK LOXAHATCHEE	ESTUARY	2	Coliforms	Total Coliform	PP - 0/38 Not Impaired; VP - 0/18 Insufficient Data. This segment is being delisted because there were sufficient data for the planning list assessment.
03 2867	Southeast Florida Coast	3234	C-18	STREAM	1	Coliforms	Fecal Coliform	PP - 12/85 Not Impaired; VP - 6/48 Not Impaired
03 2868	Southeast Florida Coast	3194A	TENMILE CREEK	STREAM	3F	Nutrients	Nutrients (CHLA)	PP - Insufficient Data; VP - Not Impaired. The annual average Chla concentration for 2002 was 9.94 ug/L. Individual Chla observations range from 1.98 to 25.38 ug/L.
03 2869	Southeast Florida Coast	3210B	SOUTH FORK ST. LUCIE	STREAM	3F	Coliforms	Fecal Coliform	PP - 0/20 Not Impaired; VP - 0/9 Insufficient Data. This segment is being delisted because there were sufficient data for the planning list assessment.
03 2870	Southeast Florida Coast	3210B	SOUTH FORK ST. LUCIE	STREAM	3F	Nutrients	Nutrients (CHLA)	PP - Not Impaired; VP - Not Impaired. The annual average Chla concentration for 1996 was 15.7 ug/L, 1997 = 15.06 ug/L, 1998 = 7.9 ug/L, 1999 = 8.5 ug/L, 2000 = 18.9 ug/L, 2001 = 14.7 ug/L, 2002 = 10.8 ug/L. Individual Chla observations range from 7.98 to 15.7 ug/L.
03 2871	Southeast Florida Coast	3211	BESSEY CREEK	ESTUARY	3M	Coliforms	Total Coliform	This segment is being delisted because there were sufficient data for making the planning list assessment. PP - No Data; VP - No Data.

1. PP - 1991 to 2000; VP - 1995 to June 2003

Note: St Lucie - Loxahatchee Group 2 Delist List (DL) is based on FDEP IWR Run 14.2.

May 18, 2004

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Tampa Bay Tributaries Group 2 Basin - Southwest District - Delist List

5/24/94

Tampa Bay Tributaries Group 2 Basin - Southwest District - Delist List
Hydrologic Units - Alafia River, Hillsborough River, Little Manatee River, Manatee River

OGC Case Number	Basin Group Name	WBID	Water Segment Name	Waterbody Type	Waterbody Class	1998 303(d) Parameters of Concern	Parameters Assessed Using the Impaired Waters Rule	Comment (# Exceedances/# Samples) PP - Planning Period VP - Verified Period
03 2886	Tampa Bay Tributaries	1482	BLACKWATER CREEK	STREAM	3F	Nutrients	Nutrients (Chlorophyll)	PP - 72 Samples, Range = 0.4-49.2 ug/l, Annual Mean Minimum = 3.3 ug/l, Annual Mean Max = 14.5 ug/l, Planning Period Chlorophyll Mean Value = 6.4 ug/l; VP - 81 Samples, Range = 0.1-58.4 ug/l, Annual Mean Minimum = 3.2 ug/l, Annual Mean Max = 14.5 ug/l, Verified Period Chlorophyll Mean Value = 6.1 ug/l.
03 2887	Tampa Bay Tributaries	1482	BLACKWATER CREEK	STREAM	3F	Turbidity	Turbidity	PP - 1/159 Not Impaired; VP - 0/111 Not Impaired
03 2888	Tampa Bay Tributaries	1489	TWO HOLE BRANCH	STREAM	3F	Turbidity	Turbidity	PP - 0/4 Insufficient data; VP - 2/23 Not Impaired.
03 2889	Tampa Bay Tributaries	1495B	ITCHEPAKESASSA CREEK	STREAM	3F	Nutrients	Nutrients (Chlorophyll)	PP - Insufficient data; VP - 28 Samples, Range = 0.9-30.9 ug/l, Annual Mean Minimum = 8.2 ug/l, Annual Mean Max = 8.2 ug/l, Verified Period Chlorophyll Mean Value = 8.2 ug/l.
03 2890	Tampa Bay Tributaries	1522A	FLINT CREEK	STREAM	3F	Lead	Lead	PP - Not Impaired; VP - Not Impaired. Flaw in IWR Run 14.2 analysis for Lead. Analysis did not consider "K" and "U" remark codes (i.e., non-detect values). Planning period: 39 non-detects/39 samples; verified period: 53 non-detects/65 samples.
03 2891	Tampa Bay Tributaries	1522A	FLINT CREEK	STREAM	3F	Turbidity	Turbidity	PP - 5/115 Not Impaired; VP - 2/78 Not Impaired
03 2892	Tampa Bay Tributaries	1522B	LAKE THONOTOSASSA	LAKE	3F	Coliforms	Coliforms (Total Coliform)	PP - 9/187 Not Impaired; VP - 10/121 Not Impaired
03 2893	Tampa Bay Tributaries	1522B	LAKE THONOTOSASSA	LAKE	3F	Dissolved Oxygen	Dissolved Oxygen	PP - 13/239 Not Impaired; VP - 4/168 Not Impaired
03 2894	Tampa Bay Tributaries	1522B	LAKE THONOTOSASSA	LAKE	3F	Lead	Lead	PP - Not Impaired; VP - Not Impaired. Flaw in IWR Run 14.2 analysis for Lead. Analysis did not consider "K" and "U" remark codes (i.e., non-detect values). Planning period: 73 non-detects/73 samples; verified period: 104 non-detects/110 samples.
03 2895	Tampa Bay Tributaries	1522C	BAKER CREEK	STREAM	3F	Lead	Lead	PP - Not Impaired; VP - Not Impaired. Flaw in IWR Run 14.2 analysis for Lead. Analysis did not consider "K" and "U" remark codes (i.e., non-detect values). Planning period: 36 non-detects/38 samples; verified period: 63 non-detects/65 samples.
03 2896	Tampa Bay Tributaries	1522C	BAKER CREEK	STREAM	3F	Turbidity	Turbidity	PP - 7/117 Not Impaired; VP - 5/81 Not Impaired
03 2897	Tampa Bay Tributaries	1534	COW HOUSE CREEK	STREAM	1	Coliforms	Coliforms (Fecal Coliform)	PP - 1/6 Insufficient data; VP - 2/22 Not Impaired.
03 2898	Tampa Bay Tributaries	1534	COW HOUSE CREEK	STREAM	1	Coliforms	Coliforms (Total Coliform)	PP - 0/1 Insufficient data; VP - 1/22 Not Impaired
03 2899	Tampa Bay Tributaries	1534	COW HOUSE CREEK	STREAM	1	Nutrients	Nutrients (Chlorophyll)	PP - No data; VP - 21 Samples, Range = 0.9-58 ug/l, Annual Mean Minimum = 17.7 ug/l, Annual Mean Max = 17.7 ug/l, Verified Period Chlorophyll Mean Value = 17.7 ug/l.
03 2900	Tampa Bay Tributaries	1534	COW HOUSE CREEK	STREAM	1	Total Suspended Solids	Turbidity	PP - 0/6 Insufficient data; VP - 0/22 Not Impaired.

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Tampa Bay Tributaries Group 2 Basin - Southwest District - Delist List
Hydrologic Units - Alafia River, Hillsborough River, Little Manatee River, Manatee River

OGC Case Number	Basin Group Name	WBID	Water Segment Name	Waterbody Type	Waterbody Class	1996 303(d) Parameters of Concern	Parameters Assessed Using the Impaired Waters Rule	Comment (# Exceedances/# Samples) PP=Planning Period VP=Verified Period ⁽¹⁾
03 2901	Tampa Bay Tributaries	1534	COW HOUSE CREEK	STREAM	1	Turbidity	Turbidity	PP - 0/6 Insufficient data; VP - 0/22 Not impaired.
03 2902	Tampa Bay Tributaries	1542	PEMBERTON CREEK	STREAM	3F	Dissolved Oxygen	Dissolved Oxygen	PP - 4/50 Not impaired; VP - 0/52 Not impaired
03 2903	Tampa Bay Tributaries	1542A	MILL CREEK	STREAM	3F	Lead	Lead	PP - Not Impaired; VP - Not Impaired. Flaw in IWR Run 14.2 analysis for Lead. Analysis did not consider "K" and "U" remark codes (i.e., non-detect values). Planning period: 85 non-detects/87 samples; verified period: 72 non-detects/74 samples.
03 2904	Tampa Bay Tributaries	1542A	MILL CREEK	STREAM	3F	Nutrients	Nutrients (Chlorophyll)	PP - 278 Samples, Range = 0.2-59.7 ug/l, Annual Mean Minimum = 1.3 ug/l, Annual Mean Max = 6.6 ug/l, Planning Period Chlorophyll Mean Value = 2.72 ug/l; VP - 245 Samples, Range = 0.5-69.3 ug/l, Annual Mean Minimum = 1.2 ug/l, Annual Mean Max = 8.7 ug/l, Verified Period Chlorophyll Mean Value = 2.7 ug/l.
03 2905	Tampa Bay Tributaries	1542A	MILL CREEK	STREAM	3F	Unionized Ammonia	Unionized Ammonia	PP - 7/186 Not impaired; VP - 2/69 Not impaired
03 2906	Tampa Bay Tributaries	1561	SPARKMAN BRANCH	STREAM	3F	Nutrients	Nutrients (Chlorophyll)	PP - No data; VP - Not impaired. 18 Samples, Range = 0.85-41 ug/l, Annual Mean Minimum = 4.9 ug/l, Annual Mean Max = 4.9 ug/l, Verified Period Chlorophyll Mean value = 4.9 ug/l. Parameter status was determined by using IWR Run 14.2 and analyzing the most current data available (outside of 14.2).
03 2907	Tampa Bay Tributaries	1561	SPARKMAN BRANCH	STREAM	3F	Total Suspended Solids	Turbidity	PP - 0/5 Insufficient data; VP - 0/21 Not impaired. Parameter status was determined by using IWR Run 14.2 and analyzing the most current data available (outside of 14.2).
03 2908	Tampa Bay Tributaries	1561	SPARKMAN BRANCH	STREAM	3F	Turbidity	Turbidity	PP - 0/5 Insufficient data; VP - 0/21 Not impaired. Parameter status was determined by using IWR Run 14.2 and analyzing the most current data available (outside of 14.2).
03 2909	Tampa Bay Tributaries	1578B	TURKEY CREEK ABOVE LITTLE ALAFIA	STREAM	3F	Nutrients	Nutrients (Chlorophyll)	PP - 98 Samples, Range = 0.1-30.9 ug/l, Annual Mean Minimum = 1.2 ug/l, Annual Mean Max = 4.9 ug/l, Planning Period Chlorophyll Mean Value = 3.3 mg/l; VP - 124 Samples, Range = 0.5-170 ug/l, Annual Mean Minimum = 1.5 ug/l, Annual Mean Max = 11.3 ug/l, Verified Period Chlorophyll Mean Value = 4.1 ug/l.
03 2910	Tampa Bay Tributaries	1578B	TURKEY CREEK ABOVE LITTLE ALAFIA	STREAM	3F	Turbidity	Turbidity	PP - 0/225 Not impaired; VP - 1/149 Not impaired. Flaw in the original analysis. Data are from a stormwater system that is not a water of the state or of the United States.
04 0842	Tampa Bay	1584A	YBOR CITY DRAIN	STREAM	3F	Nutrients	N/A	

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Tampa Bay Tributaries Group 2 Basin - Southwest District - Delist List
Hydrologic Units - Alafia River, Hillsborough River, Little Manatee River, Manatee River

OGC Case Number	Basin Group Name	WBID	Water Segment Name	Waterbody Type	Waterbody Class	1998 303(d) Parameters of Concern	Parameters Assessed Using the Impaired Waters Rule	Comment (# Exceedances/# Samples) PP=Planning Period VP=Verified Period (1)
04 0843	Tampa Bay	1584A	YBOR CITY DRAIN	STREAM	3F	Total Suspended Solids	N/A	Flaw in the original analysis. Data are from a stormwater system that is not a water of the state or of the United States.
04 0844	Tampa Bay	1584A	YBOR CITY DRAIN	STREAM	3F	BOD	N/A	Flaw in the original analysis. Data are from a stormwater system that is not a water of the state or of the United States.
04 0845	Tampa Bay	1584A	YBOR CITY DRAIN	STREAM	3F	COD	N/A	Flaw in the original analysis. Data are from a stormwater system that is not a water of the state or of the United States.
03 2914	Tampa Bay Tributaries	1621G	ALAFIA RIVER ABOVE HILLS BAY	ESTUARY	3M	Coliforms	Coliforms (Fecal Coliform)	PP - 8/100 Not impaired; VP - 2/69 Not impaired
03 2915	Tampa Bay Tributaries	1621G	ALAFIA RIVER ABOVE HILLS BAY	ESTUARY	3M	Coliforms	Coliforms (Total Coliform)	PP - 0/108 Not impaired; VP - 1/65 Not impaired
03 2916	Tampa Bay Tributaries	1639	THIRTYMILE CREEK	STREAM	3F	Coliforms	Coliforms (Total Coliform)	PP - 1/3 Insufficient data; VP - 2/22 Not impaired
03 2917	Tampa Bay Tributaries	1639	THIRTYMILE CREEK	STREAM	3F	Coliforms	Coliforms (Fecal Coliform)	PP - 1/11 Not impaired; VP - 1/22 Not impaired
03 2918	Tampa Bay Tributaries	1653	SOUTH PRONG ALAFIA RIVER	STREAM	3F	Coliforms	Coliforms (Fecal Coliform)	PP - 28/222 Not impaired; VP - 15/165 Not impaired
03 2919	Tampa Bay Tributaries	1653	SOUTH PRONG ALAFIA RIVER	STREAM	3F	Nutrients	Nutrients (Chlorophyll)	PP - 262 Samples, Range = 0.1-52 ug/l, Annual Mean Minimum = 2.0 ug/l, Annual Mean Max = 5.6 ug/l, Planning Period Chlorophyll Mean Value = 3.2 ug/l, VP - 398 Samples, Range = 0.3-66.4 ug/l, Annual Mean Minimum = 2.6 ug/l, Annual Mean Max = 7.8 ug/l, Verified Period Chlorophyll Mean Value = 3.6 ug/l.
03 2920	Tampa Bay Tributaries	1742A	LITTLE MANATEE RIVER	STREAM	3F	Nutrients	Nutrients (Chlorophyll)	PP - 36 Samples, Range=0.3-8.9ug/l, Annual Mean Minimum = 1.3ug/l, Annual Mean Max = 4.4ug/l, Planning Period Chlorophyll Mean Value = 2.1ug/l; VP - 111 Samples, Range = 0.2-28ug/l, Annual Mean Minimum = 1.3ug/l, Annual Mean Max = 2.9ug/l, Verified Period Chlorophyll Mean Value = 2.4ug/l.
03 2921	Tampa Bay Tributaries	1790	SOUTH FORK LITTLE MANATEE RIVER	STREAM	3F	Dissolved Oxygen	Dissolved Oxygen	PP - 22/84 Potentially impaired; VP - 11/84 Not impaired
03 2923	Tampa Bay Tributaries	1790	SOUTH FORK LITTLE MANATEE RIVER	STREAM	3F	Nutrients	Nutrients (Chlorophyll)	PP - Not impaired; VP - Not impaired. 30 Samples, Range = 0.2-5.1ug/l, Annual Mean Minimum = 0.82ug/l, Annual Mean Max = 0.92ug/l, Verified Period Chlorophyll Mean value= 87ug/l.
03 2924	Tampa Bay Tributaries	1807B	LAKE MANATEE RESERVOIR	LAKE	1	Nutrients	Nutrients (TSI)	PP - Potentially impaired; VP - Potentially impaired. However, the annual mean TSI values in at least 3 consecutive years after 1998 are below the nutrient threshold. Therefore, nutrients will not be placed on the verified list pursuant to Rule 62-303.720(2)(f). Note: For the 1998 303(d) analysis, the station data were incorrectly assigned to WBID 1840.

5/27/04

Tampa Bay Tributaries Group 2 Basin - Southwest District - Delist List
Hydrologic Units - Alafia River, Hillsborough River, Little Manatee River, Manatee River

OGC Case Number	Basin Group Name	WBID	Water Segment Name	Waterbody Type	Waterbody Class	1996 303(d) Parameters of Concern	Parameters Assessed Using the Impaired Waters Rule	Comment (# Exceedances/# Samples) PP-Planning Period VP-Verified Period ⁽¹⁾
03 2925	Tampa Bay Tributaries	1819	GAMBLE CREEK	STREAM	3F	Dissolved Oxygen	Dissolved Oxygen	PP - 6/32 Potentially impaired; VP - 7/59 Not impaired
03 2926	Tampa Bay Tributaries	1819	GAMBLE CREEK	STREAM	3F	Nutrients	Nutrients (Chlorophyll)	PP - Insufficient data; VP - 44 Samples, Range = 0.9-55 ug/l, Annual Mean Minimum = 1.8 ug/l, Annual Mean Max = 6.1 ug/l, Verified Period Chlorophyll Mean Value = 3.6 ug/l
03 2927	Tampa Bay Tributaries	1819	GAMBLE CREEK	STREAM	3F	Turbidity	Turbidity	PP - 0/33 Not impaired; VP - 0/59 Not impaired
03 2928	Tampa Bay Tributaries	1872	MILL CREEK	STREAM	3F	Coliforms	Coliforms (Fecal Coliform)	PP - No data; VP - 2/21 Not impaired
03 2929	Tampa Bay Tributaries	1872	MILL CREEK	STREAM	3F	Coliforms	Coliforms (Total Coliform)	PP - No data; VP - 1/21 Not impaired
03 2930	Tampa Bay Tributaries	1899	GAP CREEK	STREAM	3F	Coliforms	Coliforms (Total Coliform)	PP - 1/1 Insufficient data; VP - 3/20 Not impaired
03 2931	Tampa Bay Tributaries	1913	UNNAMED STREAM	STREAM	1	Total Suspended Solids	Turbidity	PP - 9/139 Not impaired; VP - 6/96 Not impaired for turbidity
03 2932	Tampa Bay Tributaries	1914	BRADEN RIVER ABOVE WARD LAKE	STREAM	1	Nutrients	Nutrients (Chlorophyll)	PP - 301 Samples, Range = 0.3-56.4 ug/l, Annual Mean Minimum = 6.3 ug/l, Annual Mean Max = 12.9 ug/l, Planning Period Chlorophyll Mean Value = 7.7 ug/l; VP - 435 Samples, Range = 0.2-95.2 ug/l, Annual Mean Minimum = 4.8 ug/l, Annual Mean Max = 12.9 ug/l, Verified Period Chlorophyll Mean Value = 9.6 ug/l
03 2933	Tampa Bay Tributaries	1914	BRADEN RIVER ABOVE WARD LAKE	STREAM	1	Total Suspended Solids	Turbidity	PP - 2/676 Not impaired; VP - 0/438 Not impaired
03 2934	Tampa Bay Tributaries	1923	RATTLESNAKE SLOUGH	STREAM	1	Nutrients	Nutrients (Chlorophyll)	PP - Potentially impaired; VP - Potentially impaired. However, the annual mean chlorophyll values in at least 3 consecutive years after 1998 are below the nutrient threshold. Therefore, nutrients will not be placed on the verified list pursuant to Rule 62-303.720(2)(i).
03 2935	Tampa Bay Tributaries	1926	CEDAR CREEK	STREAM	1	Nutrients	Nutrients (Chlorophyll)	PP - 45 Samples, Range = 0.2-23.4 ug/l, Annual Mean Minimum = 5.2 ug/l, Annual Mean Max = 12.1 ug/l, Planning Period Chlorophyll Mean Value = 9.2 ug/l; VP - 102 Samples, Range = 0.5-32.2 ug/l, Annual Mean Minimum = 5.2 ug/l, Annual Mean Max = 12.1 ug/l, Verified Period Chlorophyll Mean Value = 10.2 ug/l
03 2936	Tampa Bay Tributaries	1926	CEDAR CREEK	STREAM	1	Total Suspended Solids	Turbidity	PP - 2/131 Not impaired VP - 2/102 Not impaired

(1) Planning Period (PP) - 1/1/1991 to 12/31/2000; Verified Period (VP) - 1/1/1996 to 6/30/2003.

The Group 2 Tampa Bay Tributaries Basin Delist List is based on IWR Run 14.2. (Note: However, additional data were used from sources not yet incorporated into IWR 14.2 to determine parameter status for WBID 1561).

5/21/01