

Amendment to Florida's Statewide Mercury Total Maximum Daily Load (TMDL)
All Counties, Florida
TMDL ID FL53320AMD2020
March 9, 2022

A. TMDL Background:

On November 23, 2013, the Environmental Protection Agency approved a statewide TMDL prepared by Florida Department of Environmental Protection (FDEP) to address mercury impairments in Florida waters. On September 16, 2014, the EPA amended its decision to include additional waterbodies submitted by FDEP as an appendix to the TMDL. The amendment included marine waterbodies originally intended to be covered under the mercury TMDL, as they were included in the development of the TMDL, but that due to an oversight were not included in the original TMDL report submitted to the EPA for approval. On November 29, 2017, the EPA amended its decision to add 25 more waterbodies to the list of 1132 waters that are verified as impaired for mercury in the appendix to the TMDL.

The TMDL target in the original TMDL report was based on fish consumption since that is a primary source of human exposure to mercury. The statewide TMDL was ultimately represented as percent reductions and was derived under the assumption that there was a linear relationship between mercury emitted, concentration of mercury in the water column and mercury concentrations in fish tissue (the precise relationship can vary between species).

The statewide mercury TMDL allocations approved by the EPA are as follows:

Parameter	TMDL (% reduction)	Wasteload Allocation for Wastewater (kg/year)	Wasteload Allocation for NPDES Stormwater	Load Allocation (% reduction)	Margin of Safety
Mercury	86	23 kg*	**	86	Implicit

*Based on all readily available data, the Department estimated the current permitted mercury load being discharged to waters of the state. This value represents less than 0.5 % of the total mercury load from point and nonpoint sources in Florida. Mercury minimization is expected for major facilities.

**NPDES MS4 Permits may require reductions to meet the TMDL goal if sources of mercury under the direct control of a MS4 Permittee or co-permittee are found to exist.

B. Purpose of Proposed Amendment:

The current amendment, submitted to the EPA on March 9, 2022, updates the July 2017 analysis and addresses the addition of 367 WBIDs to the mercury TMDL. This amendment will add additional Florida Waterbodies shown in Table 1 which are verified as impaired for mercury (in fish tissue) from the Group 1, Cycle 3 to Group 2, Cycle 4 of the basin rotation for the following reasons:

- Waterbody Type Change - new information or water quality data were used to assess the waterbody more accurately.
- WBID Regimentation - new information or water quality data were used to more accurately redraw the WBID boundaries, which resulted in new WBIDs being created.

- Meets Data Sufficiency, new information or water quality data were available to assess the waterbody.
- Omission - waterbodies that were omitted at the time of the basin assessment were identified.
- Readoption - G1C3 EPA Decision Document - 51 waters were placed into category 4a for the Group 1, Cycle 3 (G1C3) adoption; however, they were not properly noticed through the impaired waters listing process. These waters were subsequently noticed in the Group 1, Cycle 4 basin assessment. Formally including these WBIDs in the TMDL appendix will allow them to be listed in Category 4a.

C. Justification for Revision:

The main assumptions used in the development of the original TMDL remain applicable for the 367 WBIDs addressed by this action.

The submittal states that since the 2017 TMDL update, (1) no existing air point sources had increased their permitted mercury air emissions, and (2) all point sources of mercury air emissions had been included in the TMDL atmospheric deposition modeling conducted. Since 2017 no existing point sources of air emissions have had modifications to increase their permitted mercury emission rates.

Additionally, no new point source dischargers (not accounted for in original model) were identified. However, there is one new permitted source of mercury air emissions. Nucor Steel, Inc. commenced operation in January 2021 in Frostproof, Florida. The facility is within 10 km of one mercury (in fish tissue) impaired waterbody, Lake Lotela (WBID 1813B) which could be impacted by local deposition from this air point source. The lake was listed for mercury (in fish tissue) during Cycle 3 Group 4 based on data collected in 2014. Since the listing decision and fish tissue data predate the operation of the Nucor facility, FDEP believes that the waterbody (WBID 1813B) should remain in category 4a pending additional evaluation. The submission states that FDEP will evaluate emissions from the new facility to determine whether they contribute to additional water quality degradation not addressed by the TMDL and will work with the Florida Fish and Wildlife Conservation Commission to collect additional fish tissue data from Lake Lotela to determine if the lake is still impaired for mercury. The FDEP plans to complete these actions by the next biennial assessment. The EPA agrees to FDEP's request to leave WBID 1813B in category 4a pending reanalysis of the applicability of the TMDL by 2024.

The submittal states that all the stormwater discharges are intermittent with insignificant amounts of mercury because the discharges are related to rainfall events. Discharge and mercury monitoring results for wastewater facilities that have mercury monitoring requirements were reviewed and FDEP concluded that the assumptions made by the mercury TMDL still hold. For WBIDs verified as impaired for mercury (in fish tissue) since 2017, confirmational analysis was conducted which showed that the wastewater discharge conditions used to establish the wasteload allocation (WLA) for the statewide mercury TMDL still apply. There were 21 NPDES facilities with new mercury monitoring (seven (7) industrial stormwater facilities, six (6) domestic wastewater facilities, seven (7) industrial wastewater facilities, and one power plant wastewater facility). All domestic industrial, and power plant wastewater facilities initiated mercury monitoring to address the requirement of the TMDL.

Therefore, the existing statewide TMDL also applies to the WBIDs identified in the table 1 of this document.

D. Revised TMDL Allocations:

This amendment does not change the TMDL allocations approved in the original TMDL.

E. Public Participation:

This amendment presents no new information nor involves any changes to the sources of mercury pollution, LA or WLA. Therefore, public notice of this action was not required. Nevertheless, all WBIDs referenced in this submittal were public noticed as removals from the 303(d) List through the impaired waters listing process.

F. Conclusion

After a full and complete review, the EPA is APPROVING the amendment to Florida's Statewide Mercury TMDL.

Table 1. List of additional Florida Waterbodies from Group 1, Cycle 3 to Group 2 Cycle 4 verified as impaired for mercury (in fish tissue)

Secretarial Order Adoption Date	Group / Basin Name	WBID	Waterbody Name	Waterbody Type	Waterbody Class
4/27/2016	Charlotte Harbor	2063	Alligator Creek (North Fork)	Estuary	3M
4/27/2016	Charlotte Harbor	2066	Direct Runoff to Bay	Estuary	3M
4/27/2016	Charlotte Harbor	2079	Whidden Creek	Estuary	2
4/27/2016	Charlotte Harbor	2080	Catfish Creek Bayou	Estuary	3M
4/27/2016	Charlotte Harbor	2089	Bogges Hole Outflow	Estuary	2
4/27/2016	Charlotte Harbor	2092F	Sanibel River Basin	Estuary	3M
4/27/2016	Charlotte Harbor	1983A1	Lemon Bay (North Segment)	Estuary	3M
4/27/2016	Charlotte Harbor	2065H1	San Carlos Bay	Estuary	3M
4/27/2016	Charlotte Harbor	2074B	Alligator Creek (Tidal Segment)	Estuary	3M
4/27/2016	Charlotte Harbor	2082B1	Burnt Store Marina	Estuary	3M
4/27/2016	Charlotte Harbor	2082B2	Yucca Pen Creek (Marine Segment)	Estuary	3M
4/27/2016	Charlotte Harbor	2082C1	Cape Coral (West Urban)	Estuary	3M
4/27/2016	Charlotte Harbor	2082C2	Yucca Flat Woods	Estuary	3M
4/27/2016	Charlotte Harbor	2092A	Direct Runoff to Bay	Estuary	3M
4/27/2016	Charlotte Harbor	2092G	Sanibel Bayous	Estuary	2
4/27/2016	Charlotte Harbor	2092G1	Clam Bayou	Estuary	3M
4/27/2016	Lower St. Johns	2216	Nichols and San Carlos Creeks	Estuary	3M
4/27/2016	Lower St. Johns	2227	Sherman Creek	Estuary	3M
4/27/2016	Lower St. Johns	2266	Hopkins Creek	Estuary	3M
4/27/2016	Lower St. Johns	2181A	Dunn Creek (Marine Segment)	Estuary	3M
4/27/2016	Lower St. Johns	2191A	Broward River (Freshwater Segment)	Stream	3F
4/27/2016	Lower St. Johns	2191B	Broward River (Marine Segment)	Estuary	3M
4/27/2016	Lower St. Johns	2191C	Broward River (Downstream Marine Segment)	Estuary	3M
4/27/2016	Lower St. Johns	2203B	Trout River (Middle Reach Marine Segment)	Estuary	3M
4/27/2016	Lower St. Johns	2213EA	Willow Branch	Estuary	3M

Secretarial Order Adoption Date	Group / Basin Name	WBID	Waterbody Name	Waterbody Type	Waterbody Class
4/27/2016	Lower St. Johns	2224A	Ribault River (Marine Segment)	Estuary	3M
4/27/2016	Lower St. Johns	2224B	Ribault River (Tidal Segment)	Estuary	3M
4/27/2016	Lower St. Johns	2228A	Moncrief Creek (Marine Portion)	Estuary	3M
4/27/2016	Lower St. Johns	2234A	Mount Pleasant Creek (Marine Segment)	Estuary	3M
4/27/2016	Lower St. Johns	2240A	Greenfield Creek (Marine Segment)	Estuary	3M
4/27/2016	Lower St. Johns	2265D	Pottsburg Creek (Marine Segment)	Estuary	3M
4/27/2016	Lower St. Johns	2270A	Hogpen Creek (Marine Segment)	Estuary	3M
4/27/2016	Lower St. Johns	2280B	Big Fishweir Creek (Marine Segment)	Estuary	3M
4/27/2016	Lower St. Johns	2283A	Pablo Creek (Marine Segment)	Estuary	3M
4/27/2016	Lower St. Johns	2284A	Little Pottsburg Creek (Marine Portion)	Estuary	3M
4/27/2016	Lower St. Johns	2299A	Open Creek (Marine Segment)	Estuary	3M
4/27/2016	Lower St. Johns	2326B	Goodbys Creek (Marine Segment)	Estuary	3M
4/27/2016	Lower St. Johns	2415C	Black Creek (South Fork)	Stream	3F
4/27/2016	Lower St. Johns	2415D	Black Creek (South Fork)	Stream	3F
4/27/2016	Lower St. Johns	2415E	Black Creek (South Fork)	Stream	3F
4/27/2016	Lower St. Johns	2509C	Lake Magnolia	Lake	3F
4/27/2016	Lower St. Johns	2509K	Lowry Lake (Sand Hill Lake)	Lake	3F
4/27/2016	Lower St. Johns	2667A	Lake Dias	Lake	3F
4/27/2016	Middle St. Johns	2905	St Johns River below Lake George	Stream	3F
4/27/2016	Middle St. Johns	3001	St Johns River above Lake Monroe	Stream	3F
4/27/2016	Middle St. Johns	2213S	Croaker Hole Spring	Spring	3F
4/27/2016	Middle St. Johns	28934A	Mills Creek to Lake Monroe	Stream	3F
4/27/2016	Middle St. Johns	2893A5	Little Lake Kerr	Lake	3F
4/27/2016	Middle St. Johns	2893A6	Juniper Creek	Stream	3F
4/27/2016	Middle St. Johns	2893EA	Unnamed Drain	Stream	3F
4/27/2016	Middle St. Johns	2893EB	Black Water Creek	Stream	3F
4/27/2016	Middle St. Johns	2893EC	Little Econlockhatchee River	Stream	3F

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4/27/2016	Middle St. Johns	2899C	Silver Glen Spring Run	Stream	3F
4/27/2016	Middle St. Johns	2917A	Lake Fairview	Lake	3F
4/27/2016	Middle St. Johns	2921D1	Tick Island Mud Lake	Lake	3F
4/27/2016	Middle St. Johns	2921E	Spring Garden Lake	Lake	3F
4/27/2016	Middle St. Johns	2921F	Spring Garden Creek	Stream	3F
4/27/2016	Middle St. Johns	2929A	St Johns River above Lake George	Stream	3F
4/27/2016	Middle St. Johns	3004N	Sanford Drains to Lake Monroe	Stream	3F
4/27/2016	St. Lucie - Loxahatchee	3190	South Indian River (Above Ft. Pierce Inlet)	Estuary	2
4/27/2016	St. Lucie - Loxahatchee	3193	St Lucie River	Estuary	3M
4/27/2016	St. Lucie - Loxahatchee	8103	Atlantic Ocean (St Lucie County)	Coastal	3M
4/27/2016	St. Lucie - Loxahatchee	8104	Atlantic Ocean (St Lucie County; Fort Pierce Inlet)	Coastal	3M
4/27/2016	St. Lucie - Loxahatchee	3208A1	ICWW (Martin County) above Peck Lake	Estuary	2
4/27/2016	St. Lucie - Loxahatchee	3208B	Willoughby Creek	Estuary	3M
4/27/2016	St. Lucie - Loxahatchee	3208C	Manatee Pocket	Estuary	3M
4/27/2016	St. Lucie - Loxahatchee	3210B	St Lucie River (South Fork)	Estuary	3M
4/27/2016	St. Lucie - Loxahatchee	3210C	South Fork St Lucie River (Tidal Segment)	Estuary	3M
4/27/2016	St. Lucie - Loxahatchee	3210E	Roebuck Creek	Estuary	3M
4/27/2016	St. Lucie - Loxahatchee	3224A1	Loxahatchee River	Estuary	3M
4/27/2016	St. Lucie - Loxahatchee	3232A	Tidal Creek to Loxahatchee River	Estuary	3M
4/27/2016	St. Lucie - Loxahatchee	5003A	South Indian River	Estuary	2
4/27/2016	Tampa Bay Tributaries	1424	Lake Pasadena	Lake	3F
4/27/2016	Tampa Bay Tributaries	1653	Alafia River (South Prong)	Stream	3F
4/27/2016	Tampa Bay Tributaries	1760	Mill Bayou	Estuary	3M
4/27/2016	Tampa Bay Tributaries	1771	Heritage Park Creek	Estuary	3M
4/27/2016	Tampa Bay Tributaries	1780	Wildcat Creek	Estuary	3M
4/27/2016	Tampa Bay Tributaries	1443E2	Hillsborough River	Stream	1

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4/27/2016	Tampa Bay Tributaries	1443H	Hillsborough Reservoir	Lake	1
4/27/2016	Tampa Bay Tributaries	1443I	Hillsborough Reservoir Stream	Stream	1
4/27/2016	Tampa Bay Tributaries	1462C	Crystal Springs Run	Stream	3F
4/27/2016	Tampa Bay Tributaries	1462D	Crystal Swamp Springs	Spring	3F
4/27/2016	Tampa Bay Tributaries	1621A	Alafia River above Hillsborough Bay	Stream	3F
4/27/2016	Tampa Bay Tributaries	1621B	Alafia River above Fishhawk Creek	Stream	3F
4/27/2016	Tampa Bay Tributaries	1621C	Alafia River above Turkey Creek	Stream	3F
4/27/2016	Tampa Bay Tributaries	1621D	Alafia River (North Prong) Lower Segment	Stream	3F
4/27/2016	Tampa Bay Tributaries	1621E	Alafia River (North Prong) Upper Segment	Stream	3F
4/27/2016	Tampa Bay Tributaries	1742C1	Little Manatee River (Tidal)	Estuary	3M
4/27/2016	Tampa Bay Tributaries	1747A	Ruskin Inlet	Estuary	3M
4/27/2016	Tampa Bay Tributaries	1807B	Lake Manatee Reservoir	Lake	1
4/27/2016	Tampa Bay Tributaries	1807F	Manatee River	Estuary	3M
4/27/2016	Tampa Bay Tributaries	1848D1	Wares Creek (Estuarine Segment)	Estuary	3M
4/27/2016	Tampa Bay Tributaries	1872A	Mill Creek (Estuarine Segment)	Estuary	3M
10/21/2016	Upper St. Johns	2893X1	Sawgrass Lake Drain	Stream	1
10/21/2016	Upper St. Johns	2978A	Loughman Lake	Lake	3F
10/21/2016	Sarasota Bay - Peace - Myakka	1588A	Lake Mcleod	Lake	3F
10/21/2016	Sarasota Bay - Peace - Myakka	1590B	Lake Ashton (Lake Myrtle)	Lake	3F
10/21/2016	Sarasota Bay - Peace - Myakka	1623M	Eagle Lake	Lake	3F
10/21/2016	Sarasota Bay - Peace - Myakka	1885A	West Cedar Hammock	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	1888A	Cedar Hammock Drainage Canal	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	1888B	Palma Sola Creek	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	1951A	Island Park Boat Basin	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	1972A	Myakka River at Clay Gully West	Stream	1
10/21/2016	Sarasota Bay - Peace - Myakka	1972B	Myakka River at Clay Gully East	Stream	3F

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10/21/2016	Sarasota Bay - Peace - Myakka	1991E	Myakka River (Tidal Segment)	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	1991F	Myakka River above Blackburn Bridge	Stream	1
10/21/2016	Sarasota Bay - Peace - Myakka	1991G	Myakka River below Blackburn Bridge	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	2002A	Lyons Bay	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	2009B	Curry Creek (Tidal Portion)	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	2018A	Roberts Bay	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	2018B	ICWW (Sarasota County Near Venice)	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	2043	Apollo Waterway	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	2045	Rock Creek	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	2047	Manchester Way	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	2048B	Huckaby Creek	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	2048C	Flopuck Creek	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	2053	Trailer Park Canal	Estuary	2
10/21/2016	Sarasota Bay - Peace - Myakka	2056C1	Peace River Estuary (Upper Segment North)	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	2056C2	Peace River Estuary(Upper Segment South)	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	2056E	Sunrise Waterways	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	2059	Cleveland Cemetery Ditch	Estuary	3M
10/21/2016	Sarasota Bay - Peace - Myakka	2060A1	Myakka Cutoff (Western Portion)	Estuary	2
10/21/2016	Sarasota Bay - Peace - Myakka	2060A2	Myakka Cutoff (Eastern Portion)	Estuary	2
10/21/2016	Choctawhatchee - St. Andrew	1009A	Western Lake	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	1009B	Western Lake Drain	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	1027A	Camp Creek Lake	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	1037	Eastern Lake	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	1040A	Deer Lake	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	1053A	Warrens Bayou	Estuary	2
10/21/2016	Choctawhatchee - St. Andrew	1053B	Direct Runoff to Bay	Estuary	3M

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10/21/2016	Choctawhatchee - St. Andrew	1055A	Lake Powell	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	1056	Bayou George Creek	Stream	1
10/21/2016	Choctawhatchee - St. Andrew	1060	Direct Runoff to Bay	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	1061I	St Andrew Sound	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	1069A	Wetappo Creek (Marine Segment)	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	1111A	Sandy Creek (Shellfish Portion)	Estuary	2
10/21/2016	Choctawhatchee - St. Andrew	1142A	Boggy Creek (Shellfish Portion)	Estuary	2
10/21/2016	Choctawhatchee - St. Andrew	1191	Direct Runoff to Bay	Estuary	2
10/21/2016	Choctawhatchee - St. Andrew	1265A	Direct Runoff to Bay	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	239A	Pate Lake	Lake	3F
10/21/2016	Choctawhatchee - St. Andrew	49AB	Choctawhatchee River (Shellfish Portion)	Estuary	2
10/21/2016	Choctawhatchee - St. Andrew	516	Compass Lake	Lake	3F
10/21/2016	Choctawhatchee - St. Andrew	555	Gap Lake	Lake	3F
10/21/2016	Choctawhatchee - St. Andrew	59C	Holmes Creek (Upper Segment)	Stream	3F
10/21/2016	Choctawhatchee - St. Andrew	59D	Holmes Creek (Lower Segment)	Stream	3F
10/21/2016	Choctawhatchee - St. Andrew	59Y	Beckton Spring	Spring	3F
10/21/2016	Choctawhatchee - St. Andrew	662	Porter Lake	Lake	3F
10/21/2016	Choctawhatchee - St. Andrew	712	Mullet Creek	Estuary	2
10/21/2016	Choctawhatchee - St. Andrew	722C	Puddin Head Creek	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	742	Basin Bayou	Estuary	2
10/21/2016	Choctawhatchee - St. Andrew	751	Eagle Creek	Estuary	2
10/21/2016	Choctawhatchee - St. Andrew	843A	Gap Creek	Stream	3F
10/21/2016	Choctawhatchee - St. Andrew	851	Direct Runoff to Bay	Estuary	2
10/21/2016	Choctawhatchee - St. Andrew	874A	Lake Earl	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	881A	Direct Runoff to Bay	Estuary	2
10/21/2016	Choctawhatchee - St. Andrew	901B	Burnt Mill Mouth	Estuary	3M

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10/21/2016	Choctawhatchee - St. Andrew	959	Morris Lake	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	959B	Stalworth Lake	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	959C	Oyster Lake	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	959D	Draper Lake	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	959E	Alligator Lake	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	959I	Big Redfish Lake	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	959J	Little Redfish Lake	Estuary	3M
10/21/2016	Choctawhatchee - St. Andrew	963	ICWW (Walton County)	Estuary	2
10/21/2016	Choctawhatchee - St. Andrew	976	Direct Runoff to Bay	Estuary	2
10/21/2016	Choctawhatchee - St. Andrew	986	Peach Creek	Estuary	2
10/21/2016	Lake Worth Lagoon - Palm Beach Coast	3226F3	ICWW (Palm Beach County)	Estuary	3M
10/21/2016	Lake Worth Lagoon - Palm Beach Coast	3226F4	North Broward County ICWW	Estuary	3M
10/21/2016	Lake Worth Lagoon - Palm Beach Coast	3226F5	Hillsboro And El Rio Canals	Estuary	3M
10/21/2016	Lake Worth Lagoon - Palm Beach Coast	3226W1	ICWW above Royal Palm Bridge	Estuary	3M
10/21/2016	Lake Worth Lagoon - Palm Beach Coast	3226W2	Earman River	Estuary	3M
10/21/2016	Caloosahatchee	3235A	Caloosahatchee River (above S-79)	Stream	1
10/21/2016	Caloosahatchee	3235B1	Caloosahatchee River above Townsend Canal	Stream	3F
10/21/2016	Caloosahatchee	3235B2	Caloosahatchee River Between S-79 And S-78	Stream	3F
10/21/2016	Caloosahatchee	3235D	Jacks Branch	Stream	3F
10/21/2016	Caloosahatchee	3237A	Caloosahatchee River above S-78	Stream	3F
10/21/2016	Caloosahatchee	3237C	Lake Hicpochee	Stream	3F
10/21/2016	Caloosahatchee	3240C	Caloosahatchee Estuary (Tidal Segment3)	Estuary	3M
10/21/2016	Caloosahatchee	3240F	Daughtrey Creek	Stream	3F
6/27/2017	Kissimmee River	1532A	Lake Pierce	Lake	3F
6/27/2017	Kissimmee River	1573E	Lake Weohyakapka	Lake	3F

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6/27/2017	Kissimmee River	1813A	Dinner Lake	Lake	3F
6/27/2017	Kissimmee River	1813B	Lake Lotela	Lake	3F
6/27/2017	Kissimmee River	1860D	Lake Jackson	Lake	3F
6/27/2017	Kissimmee River	1891A	Red Beach Lake	Lake	3F
6/27/2017	Kissimmee River	1906	Lake Charlotte	Lake	3F
6/27/2017	Kissimmee River	1932A	Lake Grassy	Lake	3F
6/27/2017	Kissimmee River	1932B	Clay Lake	Lake	3F
6/27/2017	Kissimmee River	1932E	Lake Huntley	Lake	3F
6/27/2017	Kissimmee River	1932G	Lake Apthorpe	Lake	3F
6/27/2017	Kissimmee River	3168A	Lake Conway	Lake	3F
6/27/2017	Kissimmee River	3170H1	Lake Sheen	Lake	3F
6/27/2017	Kissimmee River	3170H2	Pocket Lake	Lake	3F
6/27/2017	Kissimmee River	3170Z1	Little Fish Lake	Lake	3F
6/27/2017	Kissimmee River	3186E	Packingham Slough	Stream	3F
6/27/2017	Kissimmee River	3186F	Skeeter Slough	Stream	3F
6/27/2017	Kissimmee River	3187D	Kissimmee River below S-65A	Stream	3F
6/27/2017	Kissimmee River	3188B	Farm Area	Stream	3F
6/27/2017	Kissimmee River	3188C	Kissimmee River above S-65D	Stream	3F
6/27/2017	Kissimmee River	3192D	Hickory Hammock	Stream	3F
6/27/2017	Kissimmee River	3192E	Kissimmee River Restored Section	Stream	3F
6/27/2017	Pensacola	179A	Bear Lake	Lake	3F
6/27/2017	Pensacola	25A	Lake Stone (Southwest of Century)	Lake	3F
6/27/2017	Pensacola	30F	Camp Creek	Stream	3F
6/27/2017	Pensacola	38A	Lake Jackson	Lake	3F
6/27/2017	Pensacola	666	Direct Runoff to Bay	Estuary	3M
6/27/2017	Pensacola	701A	East Bay River (Marine Portion)	Estuary	2
6/27/2017	Pensacola	740A	Direct Runoff to Bay	Estuary	3M

Secretarial Order Adoption Date	Group / Basin Name	WBID	Waterbody Name	Waterbody Type	Waterbody Class
6/27/2017	Nassau - St. Marys	2097L	St Marys River Above Icwv	Estuary	3M
6/27/2017	Nassau - St. Marys	2097M	St Marys River	Estuary	3M
6/27/2017	Nassau - St. Marys	2097N	St Marys River	Estuary	3M
6/27/2017	Nassau - St. Marys	2124A	Amelia River	Estuary	3M
6/27/2017	Nassau - St. Marys	2127A	Egans Creek	Estuary	3M
6/27/2017	Nassau - St. Marys	2130	Plummer Creek	Estuary	3M
6/27/2017	Nassau - St. Marys	2148B	Nassau River	Estuary	3M
6/27/2017	Nassau - St. Marys	2148C	Nassau River	Estuary	3M
6/27/2017	Nassau - St. Marys	2149A	South Amelia River	Estuary	2
6/27/2017	Nassau - St. Marys	2161B	Thomas Creek (Upper Marine Segment)	Estuary	3M
6/27/2017	Nassau - St. Marys	2161C	Thomas Creek (Lower Marine Segment)	Estuary	3M
6/27/2017	Nassau - St. Marys	2174B	Nassau Sound	Estuary	2
6/27/2017	Nassau - St. Marys	2198B	Fort George River	Estuary	2
6/27/2017	Nassau - St. Marys	2247A	St Marys River (South Prong)	Stream	3F
6/27/2017	Nassau - St. Marys	2392	Palestine Lake	Lake	3F
6/27/2017	Withlacoochee	1337B	Withlacoochee River (Tidal Segment)	Estuary	3M
6/27/2017	Withlacoochee	1337C	Withlacoochee River	Stream	3F
6/27/2017	Withlacoochee	1340H	Hernando Lake	Lake	3F
6/27/2017	Withlacoochee	1340N	Henderson Lake	Lake	3F
6/27/2017	Withlacoochee	1340R	Tsala Apopka Lake (Floral City Arm)	Lake	3F
6/27/2017	Withlacoochee	1342Y	Cherry Lake	Lake	3F
6/27/2017	Withlacoochee	1349A	Lake Deaton	Lake	3F
6/27/2017	Withlacoochee	1351B	Lake Panasoffkee	Lake	3F
6/27/2017	Withlacoochee	1466	Lake Agnes	Lake	3F
6/27/2017	Southeast Coast - Biscayne Bay	3226I	West Lake	Estuary	3M
6/27/2018	Indian River Lagoon	2963F2	Big Flounder Creek	Estuary	3M
6/27/2018	Indian River Lagoon	2963F3	Indian River above Max Brewer Causeway	Estuary	2

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6/27/2018	Perdido	1004C	ICWW (Escambia County at Alabama State Line)	Estuary	3M
6/27/2018	Perdido	1004D	Big Lagoon	Estuary	3M
6/27/2018	Springs Coast	1382F	Weeki Wachee Spring Run	Stream	3F
6/27/2018	Springs Coast	1382H	Mud River	Estuary	3M
6/27/2018	Springs Coast	1382I	Weeki Wachee River	Estuary	3M
6/27/2018	Springs Coast	1650	Walsingham Reservoir	Lake	3F
6/27/2018	Springs Coast	8044E	Gulf of Mexico (Pasco County; Pithlachascotee River)	Coastal	3M
6/27/2018	Springs Coast	8045F	Gulf of Mexico (Pasco County; Port Richey)	Coastal	3M
6/27/2018	Springs Coast	8045G	St. Joseph Sound (North)	Coastal	3M
6/27/2018	Springs Coast	1432	Double Hammock Creek	Stream	3F
6/27/2018	Springs Coast	1694A1	Boca Ciega Bay (Central-North)	Estuary	3M
6/27/2018	Springs Coast	1694A2	Boca Ciega Bay (Central-South)	Estuary	3M
6/27/2018	Springs Coast	1716C1	Clam Bayou (East Drainage-North)	Estuary	3M
6/27/2018	Springs Coast	1716C2	Clam Bayou (East Drainage-South)	Estuary	3M
6/27/2018	Springs Coast	8038C	Gulf of Mexico (Withlacoochee River)	Coastal	2
6/27/2018	Upper East Coast	2320C	Guana River above Dam	Estuary	3M
6/27/2018	Upper East Coast	2634	Tomoka River	Stream	3F
6/27/2018	Upper East Coast	2674C	Spruce Creek below Strickland Bay	Estuary	3M
6/27/2018	Upper East Coast	2493B	Moultrie Creek Lower Segment	Estuary	3M
6/27/2018	Upper East Coast	2553	Cracker Branch	Stream	3F
10/2/2019	Everglades West Coast	3269A	L-28 Gap (Upper Segment)	Stream	3F
10/2/2019	Everglades West Coast	3278G	Fakahatchee Strand	Stream	3F
10/2/2019	Everglades West Coast	3278H	Faka Union (North Segment)	Stream	3F
10/2/2019	Everglades West Coast	3278O	Marco Island	Estuary	2
10/2/2019	Everglades West Coast	3278P	Marco Island (South Segment)	Estuary	2
10/2/2019	Lake Okeechobee	3203C	L-63 Canal	Stream	3F

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10/2/2019	Lake Okeechobee	3205A	Taylor Creek (Upper Segment)	Stream	3F
10/2/2019	Ochlockonee - St. Marks	913	Big Creek	Stream	3F
10/2/2019	Ochlockonee - St. Marks	954	Freeman Creek	Stream	3F
10/2/2019	Ochlockonee - St. Marks	995	Lost Creek	Stream	3F
10/2/2019	Ochlockonee - St. Marks	1239	Direct Runoff to Bay	Estuary	2
10/2/2019	Ochlockonee - St. Marks	1300	Telogia Creek	Stream	3F
10/2/2019	Ochlockonee - St. Marks	1006Y	Sally Ward Spring	Spring	3F
10/2/2019	Ochlockonee - St. Marks	1158A	Goose Creek Bay	Estuary	2
10/2/2019	Ochlockonee - St. Marks	1165A	Otter Lake	Lake	3F
10/2/2019	Ochlockonee - St. Marks	1176A	Lake Ellen	Lake	3F
10/2/2019	Ochlockonee - St. Marks	1176B	Purify Creek	Estuary	2
10/2/2019	Ochlockonee - St. Marks	1176C	Oyster Bay	Estuary	2
10/2/2019	Ochlockonee - St. Marks	1297X	Lake Talquin (West)	Lake	3F
10/2/2019	Ochlockonee - St. Marks	1297Y	Lake Talquin (West)	Lake	3F
10/2/2019	Ochlockonee - St. Marks	1297Z	Lake Talquin (East)	Lake	3F
10/2/2019	Ochlockonee - St. Marks	582B	Lake Jackson	Lake	3F
10/2/2019	Ochlockonee - St. Marks	647A	Lake Tom John	Lake	3F
10/2/2019	Ochlockonee - St. Marks	756B	Lake Piney Z	Lake	3F
10/2/2019	Ochlockonee - St. Marks	791N	Lake Miccosukee	Lake	3F
10/2/2019	Ochlockonee - St. Marks	793C	St Marks River (Marine Segment Above Wakulla River)	Estuary	3M
10/2/2019	Ochlockonee - St. Marks	793D	St Marks River (Freshwater Segment)	Stream	3F
10/2/2019	Ochlockonee - St. Marks	8026C	Gulf of Mexico (Wakulla County; Apalachee Bay)	Coastal	2
10/2/2019	Ocklawaha	2732	Higginbotham Lake Outlet	Stream	3F
10/2/2019	Ocklawaha	2732	Higginbotham Lake Outlet	Stream	3F
10/2/2019	Ocklawaha	2713D	Little Orange Lake	Lake	3F
10/2/2019	Ocklawaha	2719A	Lake Alice	Lake	3F

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10/2/2019	Ocklawaha	2732A	Higginbotham Lake	Lake	3F
10/2/2019	Ocklawaha	2781A	Halfmoon Lake	Lake	3F
10/2/2019	Ocklawaha	2783A	Doe Lake	Lake	3F
10/2/2019	Ocklawaha	2783B	Trout Lake	Lake	3F
10/2/2019	Ocklawaha	2783F	Lake Catherine	Lake	3F
10/2/2019	Ocklawaha	2783G	Lake Mary	Lake	3F
10/2/2019	Ocklawaha	2790A	Lake Weir	Lake	3F
10/2/2019	Ocklawaha	2807A	Lake Yale	Lake	3F
10/2/2019	Ocklawaha	2816A	Eldorado Lake	Lake	3F
10/2/2019	Ocklawaha	2821B	Lake Joanna	Lake	3F
10/2/2019	Ocklawaha	2839F	Lake Emma	Lake	3F
10/2/2019	Ocklawaha	2880A	Lake Glona	Lake	3F
10/2/2019	Ocklawaha	2890A	Lake Lowery	Lake	3F
10/2/2019	Suwannee	1318	Double Barrel Creek	Estuary	2
10/2/2019	Suwannee	1322	Bird Creek	Estuary	2
10/2/2019	Suwannee	1333	Spring Run	Estuary	2
10/2/2019	Suwannee	1335	Direct Runoff to Gulf	Estuary	2
10/2/2019	Suwannee	3375	Swift Creek	Stream	3F
10/2/2019	Suwannee	3388	Deep Creek	Stream	3F
10/2/2019	Suwannee	3519	Ichetucknee River	Stream	3F
10/2/2019	Suwannee	3566	Lake Butler	Lake	3F
10/2/2019	Suwannee	3686	Fishbone Creek	Stream	3F
10/2/2019	Suwannee	3702	Sanders Creek	Estuary	2
10/2/2019	Suwannee	3711	Lolly Creek	Estuary	2
10/2/2019	Suwannee	3714	Shired Creek	Estuary	2
10/2/2019	Suwannee	3719	Otter Creek	Stream	3F
10/2/2019	Suwannee	3721	Direct Runoff to Gulf	Estuary	2

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10/2/2019	Suwannee	3725	Direct Runoff to Gulf	Estuary	2
10/2/2019	Suwannee	3731	Wekiva River	Stream	3F
10/2/2019	Suwannee	3733	Direct Runoff to Gulf	Estuary	2
10/2/2019	Suwannee	3740	Direct Runoff to Gulf	Estuary	2
10/2/2019	Suwannee	1313A	Cow Creek	Estuary	2
10/2/2019	Suwannee	3315A	Suwanacoochee Spring A	Spring	3F
10/2/2019	Suwannee	3319A	Lake Alcyone	Lake	3F
10/2/2019	Suwannee	3459A	Lake Louise	Lake	3F
10/2/2019	Suwannee	3473A1	Fenholloway River At Mouth (Marine Segment)	Estuary	3M
10/2/2019	Suwannee	3499A	Lake Jeffery	Lake	3F
10/2/2019	Suwannee	3530B	Swift Creek Pond	Lake	3F
10/2/2019	Suwannee	3598B	Lake Rowell	Lake	3F
10/2/2019	Suwannee	3738B	Bonable Lake	Lake	3F
10/2/2019	Suwannee	8037D	Gulf of Mexico (Levy County; Cedar Key)	Coastal	2
10/2/2019	Tampa Bay	1594	Fish Creek	Estuary	3M
10/2/2019	Tampa Bay	1595	Starfish Lane Tidal Canal	Estuary	3M
10/2/2019	Tampa Bay	1596	The Pond Estuary	Estuary	3M
10/2/2019	Tampa Bay	1636	Port Sutton Ditch	Estuary	3M
10/2/2019	Tampa Bay	1682	Kitchen Branch	Estuary	3M
10/2/2019	Tampa Bay	1712	Apollo Beach Canal	Estuary	3M
10/2/2019	Tampa Bay	1719	Symphony Isles	Estuary	3M
10/2/2019	Tampa Bay	1725	Wolf Branch Cutoff Canal	Estuary	3M
10/2/2019	Tampa Bay	1789	Piney Point Creek	Estuary	3M
10/2/2019	Tampa Bay	1463L	Lake Thomas	Lake	3F
10/2/2019	Tampa Bay	1486A	Lake Tarpon	Lake	3F
10/2/2019	Tampa Bay	1536B	Sixmile Creek (Tampa Bypass Canal)	Stream	3F
10/2/2019	Tampa Bay	1541A	Lake Tarpon Canal	Estuary	3M

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10/2/2019	Tampa Bay	1577A	Pepper Mound Creek	Estuary	3M
10/2/2019	Tampa Bay	1584A1	Ybor City Drain	Estuary	3M
10/2/2019	Tampa Bay	1584A2	Ybor Channel	Estuary	3M
10/2/2019	Tampa Bay	1587A	Woods Creek	Estuary	3M
10/2/2019	Tampa Bay	1609A	Davis Island	Estuary	3M
10/2/2019	Tampa Bay	1661B	70th Avenue North Canal	Estuary	3M
10/2/2019	Tampa Bay	1661D	Tinney Creek	Estuary	3M
10/2/2019	Tampa Bay	1661E	77th Avenue Canal	Estuary	3M
10/2/2019	Tampa Bay	1825A	Frog Creek (Tidal Segment)	Estuary	3M
4/30/2020	Apalachicola - Chipola	1021A	Crooked Creek	Stream	3F
4/30/2020	Apalachicola - Chipola	1022	Big Gully Creek	Stream	3F
4/30/2020	Apalachicola - Chipola	1109	Florida River	Stream	3F
4/30/2020	Apalachicola - Chipola	344	Ocheesee Pond	Lake	3F
4/30/2020	Charlotte Harbor	1983A2	Red Lakes Estuary	Estuary	3M
4/30/2020	Charlotte Harbor	2074A	Alligator Lake	Lake	3F
4/30/2020	Lower St. Johns	2351	Julington Creek	Stream	3F
4/30/2020	Lower St. Johns	2419	Sampson Creek	Stream	3F
4/30/2020	Lower St. Johns	2509	Lake Geneva	Lake	3F
4/30/2020	Lower St. Johns	2543B	Etonia Creek	Stream	3F
4/30/2020	Lower St. Johns	2661A	Caraway Lake	Lake	3F
4/30/2020	Middle St. Johns	2949	Lake Dalhousie	Lake	3F
4/30/2020	Middle St. Johns	3003	Lake Pickett	Lake	3F
4/30/2020	Middle St. Johns	2938H	Lake Macy	Lake	3F
4/30/2020	Middle St. Johns	2956F	Lake Brantley	Lake	3F
4/30/2020	Tampa Bay Tributaries	1402C	Burrell Lake	Lake	3F
4/30/2020	Tampa Bay Tributaries	1807C	Manatee River	Stream	1