

Southeast Basin - Biennial Assessment 2024-2026 DRAFT Verified List

Groups: Everglades, Kissimmee River, Lake Okeechobee, Lake Worth Lagoon - Palm Beach Coast, Southeast Coast - Biscayne Bay, St. Lucie - Loxahatchee

Group Name	County	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	Pollutant of Concern for Dissolved Oxygen/Biology Assessment	Criterion Concentration or Threshold Not Met	† Previous Summary Assessment Category ²	† Current Assessment Category ³	† Integrated Report Category Summary Assessment	Summary Assessment Status	Priority for TMDL Development ⁴	Planning Period Assessment Data ⁵	Verified Period Assessment Data ⁵	Comments
St. Lucie - Loxahatchee	Palm Beach	8101B	Dubois Park	Beach	3M	Bacteria (Beach Advisories)		< 21 days of beach advisories	3c	5	5	Impaired	High	Beach Advisories 2012 (2 days) 2013 (4 days) 2014 (23 days) 2015 (8 days) 2016 (9 days) 2017 (15 days) 2018 (9 days) 2019 (16 days) 2020 (18 days) 2021 (19 days)	Beach Advisories 2017 (15 days) 2018 (9 days) 2019 (16 days) 2020 (18 days) 2021 (19 days) 2022 (21 days) 2023 (74 days)	This waterbody is impaired for this parameter because there were 21 days or more of beach advisories in any one year in the verified period. Beach WBID assessment is based on beach advisory information received from DOH. ⁶
Lake Worth Lagoon - Palm Beach Coast	Palm Beach	3257	C-16N	Stream	3F	Dissolved Oxygen (Percent Saturation)	Nutrients	≥ 38 %	4d	5	5	Impaired	Medium	5/17	5/16	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and nutrients have been identified as the causative pollutant. Samples used in this assessment were evaluated against a time of day adjustment as described in 62-303.420(9), F.A.C.
Lake Worth Lagoon - Palm Beach Coast	Palm Beach	3245F	C-51 East	Stream	3F	Escherichia coli		≤ 410 MPN/100 mL	3c	5	5	Impaired	High	2/5	24/45	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and anthropogenic sources have been identified using land use.
Everglades	Palm Beach	3252	WCA 1 (Central Sector)	Stream	3F	Mercury (in fish tissue)		≤ 0.123 ppm	3b	5	5	Impaired	Low	No Data	2023: 40 Florida Bass (0.3 ppm)	This waterbody is impaired for this parameter based on DOH fish consumption advisory data. This parameter is being included on the draft Verified List for review and comment by the public. The department is in the process of confirming whether this new listing is due to the same sources identified in the existing DEP adopted mercury TMDL.
Lake Worth Lagoon - Palm Beach Coast	Palm Beach	3262	E-4 Canal	Stream	3F	Mercury (in fish tissue)		≤ 0.123 ppm	NA	5	5	Impaired	Low	2021: 8 Florida Bass (0.2 ppm)	2021: 8 Florida Bass (0.2 ppm)	This waterbody is impaired for this parameter based on DOH fish consumption advisory data. This parameter is being included on the draft Verified List for review and comment by the public. The department is in the process of confirming whether this new listing is due to the same sources identified in the existing DEP adopted mercury TMDL.
St. Lucie - Loxahatchee	Palm Beach	3234A	C-18 North	Stream	1	Mercury (in fish tissue)		≤ 0.123 ppm	3c	5	5	Impaired	Low	2017: 12 Florida Bass (0.5 ppm)	2017: 12 Florida Bass (0.5 ppm)	This waterbody is impaired for this parameter based on DOH fish consumption advisory data. This parameter is being included on the draft Verified List for review and comment by the public. The department is in the process of confirming whether this new listing is due to the same sources identified in the existing DEP adopted mercury TMDL.
St. Lucie - Loxahatchee	Palm Beach	3234C	C-18	Stream	1	Mercury (in fish tissue)		≤ 0.123 ppm	3c	5	5	Impaired	Low	2017: 12 Florida Bass (0.5 ppm)	2017: 12 Florida Bass (0.5 ppm)	This waterbody is impaired for this parameter based on DOH fish consumption advisory data. This parameter is being included on the draft Verified List for review and comment by the public. The department is in the process of confirming whether this new listing is due to the same sources identified in the existing DEP adopted mercury TMDL.
Lake Worth Lagoon - Palm Beach Coast	Palm Beach	3245A	Okeeheltee Park	Lake	3F	Mercury (in fish tissue)		≤ 0.123 ppm	3b	5	5	Impaired	Low	No Data	2023: 8 Bluegill (0.135 ppm)	This waterbody is impaired for this parameter based on DOH fish consumption advisory data. This parameter is being included on the draft Verified List for review and comment by the public. The department is in the process of confirming whether this new listing is due to the same sources identified in the existing DEP adopted mercury TMDL.
Lake Worth Lagoon - Palm Beach Coast	Palm Beach	3245C4	Pine Lake	Lake	3F	Mercury (in fish tissue)		≤ 0.123 ppm	NA	5	5	Impaired	Low	2021: 8 Florida Bass (0.2 ppm)	2021: 8 Florida Bass (0.2 ppm)	This waterbody is impaired for this parameter based on DOH fish consumption advisory data. This parameter is being included on the draft Verified List for review and comment by the public. The department is in the process of confirming whether this new listing is due to the same sources identified in the existing DEP adopted mercury TMDL.
Lake Worth Lagoon - Palm Beach Coast	Palm Beach	3256A	Lake Osborne	Lake	3F	Mercury (in fish tissue)		≤ 0.123 ppm	2t	5	5	Impaired	Low	2021: 8 Florida Bass (0.2 ppm)	2021: 8 Florida Bass (0.2 ppm)	This waterbody is impaired for this parameter based on DOH fish consumption advisory data. This parameter is being included on the draft Verified List for review and comment by the public. The department is in the process of confirming whether this new listing is due to the same sources identified in the existing DEP adopted mercury TMDL.
Lake Worth Lagoon - Palm Beach Coast	Palm Beach	3256B	Boynton Canal	Stream	3F	Mercury (in fish tissue)		≤ 0.123 ppm	2t	5	5	Impaired	Low	2021: 8 Florida Bass (0.2 ppm)	2021: 8 Florida Bass (0.2 ppm)	This waterbody is impaired for this parameter based on DOH fish consumption advisory data. This parameter is being included on the draft Verified List for review and comment by the public. The department is in the process of confirming whether this new listing is due to the same sources identified in the existing DEP adopted mercury TMDL.
Lake Worth Lagoon - Palm Beach Coast	Palm Beach	3256D	Canal E-4	Stream	3F	Mercury (in fish tissue)		≤ 0.123 ppm	NA	5	5	Impaired	Low	2021: 8 Florida Bass (0.2 ppm)	2021: 8 Florida Bass (0.2 ppm)	This waterbody is impaired for this parameter based on DOH fish consumption advisory data. This parameter is being included on the draft Verified List for review and comment by the public. The department is in the process of confirming whether this new listing is due to the same sources identified in the existing DEP adopted mercury TMDL.
Lake Worth Lagoon - Palm Beach Coast	Palm Beach	3262A	Lake Ida	Lake	3F	Mercury (in fish tissue)		≤ 0.123 ppm	NA	5	5	Impaired	Low	2021: 8 Florida Bass (0.2 ppm)	2021: 8 Florida Bass (0.2 ppm)	This waterbody is impaired for this parameter based on DOH fish consumption advisory data. This parameter is being included on the draft Verified List for review and comment by the public. The department is in the process of confirming whether this new listing is due to the same sources identified in the existing DEP adopted mercury TMDL.
Lake Worth Lagoon - Palm Beach Coast	Palm Beach	3264D	E-4 Canal	Stream	3F	Mercury (in fish tissue)		≤ 0.123 ppm	NA	5	5	Impaired	Low	2021: 8 Florida Bass (0.2 ppm)	2021: 8 Florida Bass (0.2 ppm)	This waterbody is impaired for this parameter based on DOH fish consumption advisory data. This parameter is being included on the draft Verified List for review and comment by the public. The department is in the process of confirming whether this new listing is due to the same sources identified in the existing DEP adopted mercury TMDL.

¹ Florida's waterbody classifications are defined as:

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

² The previous summary assessment is based on the most recent Biennial Assessment 2022-2024.

³ The current assessment includes data from the Planning Period (January 1, 2012 through December 31, 2021) and the Verified Period (January 1, 2017 through June 30, 2024).

† EPA's Integrated Report Category:

- 1 - Attains all designated uses.
- 2 - Attains some designated uses and insufficient or no information or data are present to determine if remaining uses are attained.
- 2b - Attains one or more designated uses and a Reasonable Assurance Plan has already been completed.
- 2e - Attains one or more designated uses and an Alternative Restoration Plan has already been completed.
- 2t - Attains one or more designated uses and a Total Maximum Daily Load (TMDL) has already been completed. The waterbody meets applicable water quality standards for the parameter; however, this assessment category does not imply attainment of required TMDL load reductions or applicable BMAP restoration goals.
- 3a - No data and information are present to determine if any designated use is attained.

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Group Name	County	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	Parameters Assessed Using the Impaired Surface Waters Rule (IWR)	Pollutant of Concern for Dissolved Oxygen/Biology Assessment	Criterion Concentration or Threshold Not Met	[†] Previous Summary Assessment Category ²	[†] Current Assessment Category ³	[†] Integrated Report Category Summary Assessment	Summary Assessment Status	Priority for TMDL Development ⁴	Planning Period Assessment Data ⁵	Verified Period Assessment Data ⁵	Comments
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3b - Some data and information are present but not enough to determine if any designated use is attained.

3c - Enough data and information are present to determine that one or more designated uses may not be attained according to the Planning List methodology.

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

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

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

4d - Waterbody indicates nonattainment of water quality standards, but the department does not have enough information to determine a causative pollutant; or current data show a potentially adverse trend in nutrients or nutrient response variables; or

there are exceedances of stream nutrient thresholds, but the department does not have enough information to fully assess nonattainment of the stream nutrient standard.

4e - Waterbody indicates nonattainment of water quality standards and pollution control mechanisms or restoration activities are in progress or planned to address nonattainment of water quality standards, but the department does not have enough information

to fully evaluate whether proposed pollution mechanisms will result in attainment of water quality standards.

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

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

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

Where Biology data are presented as SCI (n=y), y represents the total number of samples; WBID Mean is the average value of all temporally independent biological health assessment scores over the assessment period; Mean 1 is the first temporally independent average of all biological health assessments within the most recent consecutive three month period; Mean 2 is the second temporally independent average of all biological health assessments within the most recent consecutive three month period prior to the most recent biological health assessment; A - Indicates a LVS, RPS, or SCI result that is averaged based on temporal dependency.

[^]Beach advisories are based on Florida Department of Health Enterococcus criterion of >70 CFU/100mL. Beach advisory data are provided by the Florida Department of Health 2023 Beach Advisories. Beach advisories, warnings, and closures based on red tides, rip tides, dangerous aquatic life, hurricanes, or short-term releases of pollutants, such as sewage spills, sewer line breaks, and medical wastes, are not included when assessing primary contact and recreation use support.

Fish advisory data are provided by the Florida Department of Health 2025

Turbidity natural background conditions are based on data prior to 2010 using the 25th percentile.

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

AAM - Annual Arithmetic Mean; AGM - Annual Geometric Mean; ENR - Estuary Nutrient Region; LTA - Long Term Average; LTAAM - Long Term Annual Arithmetic Mean; LTAGM - Long Term Annual Geometric Mean;

LVS - Linear Vegetation Survey; PCT - Percent; RPS - Rapid Periphyton Survey; SSAC - Site Specific Alternative Criteria; TPY - Tons Per Year; WQBEL - Water Quality Based Effluent Limit.

The Southeast Basin Verified List is based on IWR Run 66 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of 10/17/2016.