

EXHIBIT 1

2018 VERIFIED LIST OF IMPAIRED WATERS, GROUP 5 BASINS

Florida Keys Group 5 Basin - South District - Cycle 3 FINAL Verified List

OGC Case Number	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 Cycle Summary Assessment Category ²	[†] Cycle 3 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
18-0266	8073	Key West And Outlying Islands	Coastal	3M	Nutrients (Total Nitrogen)		ENRG1 AGM ≤ 0.25 mg/L ENRG2 AGM ≤ 0.23 mg/L ENRG3 AGM ≤ 0.21 mg/L ENRG4 AGM ≤ 0.21 mg/L ENRG6 AGM ≤ 0.17 mg/L	NA	5	5	Impaired	Medium	ENRG2 (AGM) No Data ENRG3 (AGM) No Data ENRG4 (AGM) No Data ENRG6 (AGM) No Data	ENRG1 (AGM) 2016 (0.26 mg/L) 2017 (0.32 mg/L) ENRG2 (AGM) 2016 (0.34 mg/L) 2017 (0.26 mg/L) ENRG3 (AGM) 2016 (0.25 mg/L) 2017 (0.26 mg/L) ENRG4 (AGM) 2016 (0.29 mg/L) 2017 (0.23 mg/L) ENRG6 (AGM) Insufficient Data	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period during the verified period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0267	8079	Atlantic Ocean (Monroe County; Cudjoe Key-Key West)	Coastal	3M	Nutrients (Total Nitrogen)		ENRG3 AGM ≤ 0.21 mg/L ENRG6 AGM ≤ 0.17 mg/L	NA	5	5	Impaired	Medium	ENRG3 (AGM) No Data ENRG6 (AGM) No Data	ENRG3 (AGM) 2016 (0.28 mg/L) 2017 (0.25 mg/L) ENRG6 (AGM) 2016 (0.23 mg/L) 2017 (0.25 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period during the verified period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0268	8080	Atlantic Ocean (Monroe County; Bahia Honda-Cudjoe Key)	Coastal	3M	Nutrients (Total Nitrogen)		ENRG3 AGM ≤ 0.21 mg/L ENRG6 AGM ≤ 0.17 mg/L	NA	5	5	Impaired	Medium	ENRG3 (AGM) 2005 (0.17 mg/L) 2006 (0.22 mg/L) 2007 (0.25 mg/L) 2008 (0.22 mg/L) 2009 (0.22 mg/L) 2010 (0.23 mg/L) 2012 (0.23 mg/L) ENRG6 (AGM) No Data	ENRG3 (AGM) 2016 (0.33 mg/L) 2017 (0.23 mg/L) ENRG6 (AGM) 2016 (0.28 mg/L) 2017 (0.23 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period during the verified period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.

¹ Florida's waterbody classifications are defined as:
1 - Potable water supplies
2 - Shellfish propagation or harvesting
3F - Recreation, propagation, and maintenance of a healthy, well-balanced population of fish and wildlife in fresh water
3M - Recreation, propagation, and maintenance of a healthy, well-balanced population of fish and wildlife in marine water
4 - Agricultural water supplies
5 - Navigation, utility, and industrial use

² The Cycle 1 assessment was completed in 2009 and included data from that assessment period (January 1, 1994 through June 30, 2006).
The Cycle 2 assessment was completed in 2012 and included data from that assessment period (January 1, 1999 through June 30, 2011).

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

⁴ EPA's Integrated Report Category:
1 - Attains all designated uses.
2 - Attains some designated uses and insufficient or no information or data are present to determine if remaining uses are attained.
3a - No data and information are present to determine if any designated use is attained.
3b - Some data and information are present but not enough to determine if any designated use is attained.
3c - Enough data and information are present to determine that one or more designated uses may not be attained according to the Planning List methodology.
4a - Impaired for one or more designated uses but does not require TMDL development because a TMDL has already been completed.
4b - Impaired for one or more designated uses but does not require TMDL development because the water will attain water quality standards due to existing or proposed measures.
4c - Impaired for one or more criteria or designated uses but does not require TMDL development because impairment is not caused by a pollutant.
4d - Waterbody indicates nonattainment of water quality standards, but the Department does not have enough information to determine a causative pollutant; or current data show a potentially adverse trend in nutrients or nutrient response variables; or there are exceedances of stream nutrient thresholds, but the Department does not have enough information to fully assess nonattainment of the stream nutrient standard.
4e - Waterbody indicates nonattainment of water quality standards and pollution control mechanisms or restoration activities are in progress or planned to address nonattainment of water quality standards, but the Department does not have enough information to fully evaluate whether proposed pollution mechanisms will result in attainment of water quality standards.
5 - Water quality standards are not attained and a TMDL is required.

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

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

⁶ Beach advisories are based on FL Dept of Health Enterococcus criterion of >70 CFU/100mL. Beach advisory data are provided by the Florida Department of Health 2016 Beach Advisories.
Fish advisory data are provided by the Florida Department of Health 2017 Fish Advisories.
Abbreviations: WBID - Waterbody Identification; NA - Not Applicable, does not apply, or was not assessed in the previous cycle (i.e. it's a new WBID, waterbody type change, etc.);
ENR - Estuary Nutrient Region; AAM - Annual Arithmetic Mean; AGM - Annual Geometric Mean; LTA - Long Term Average; LTAAM - Long Term Annual Arithmetic Mean.
The Group 5 Florida Keys Final Verified List is based on IWR Run 54_2 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of February 17, 2016.

Indian River Lagoon Group 5 Basin - Central District - Cycle 3 FINAL Verified List

OGC Case Number	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 Cycle Summary Assessment Category ²	[†] Cycle 3 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 ⁶	Comments
18-0269	2924	Mosquito Lagoon	Estuary	2	Nutrients (Chlorophyll-a)		ENRAA11 AGM ≤ 2.5 µg/L	3b	5	5	Impaired	Medium	ENRAA11 (AGM) 2005 (1.4 µg/L) 2006 (1.2 µg/L) 2007 (1.1 µg/L) 2008 (1.4 µg/L) 2009 (1.9 µg/L) 2010 (4.3 µg/L) 2011 (10.5 µg/L) 2012 (12.6 µg/L) 2013 (9.6 µg/L) 2014 (2.4 µg/L)	ENRAA11 (AGM) 2010 (4.3 µg/L) 2011 (10.5 µg/L) 2012 (12.6 µg/L) 2013 (9.6 µg/L) 2014 (2.4 µg/L) 2015 (15.9 µg/L) 2016 (28.3 µg/L) 2017 (4.5 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. There is a Reasonable Assurance Plan (RAP) in development for Mosquito Lagoon.
18-0270	2924	Mosquito Lagoon	Estuary	2	Nutrients (Total Nitrogen)		ENRAA11 AGM ≤ 1.14 mg/L	NA	5	5	Impaired	Medium	ENRAA11 (AGM) 2005 (1.08 mg/L) 2006 (0.90 mg/L) 2007 (0.73 mg/L) 2008 (0.69 mg/L) 2009 (0.79 mg/L) 2010 (0.99 mg/L) 2011 (1.08 mg/L) 2012 (1.33 mg/L) 2013 (1.03 mg/L) 2014 (0.85 mg/L)	ENRAA11 (AGM) 2010 (0.99 mg/L) 2011 (1.08 mg/L) 2012 (1.33 mg/L) 2013 (1.03 mg/L) 2014 (0.85 mg/L) 2015 (1.34 mg/L) 2016 (1.49 mg/L) 2017 (1.21 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. There is a Reasonable Assurance Plan (RAP) in development for Mosquito Lagoon.
18-0271	2924	Mosquito Lagoon	Estuary	2	Nutrients (Total Phosphorus)		ENRAA11 AGM ≤ 0.034 mg/L	NA	5	5	Impaired	Medium	ENRAA11 (AGM) 2005 (0.012 mg/L) 2006 (0.015 mg/L) 2007 (0.015 mg/L) 2008 (0.012 mg/L) 2009 (0.014 mg/L) 2010 (0.021 mg/L) 2011 (0.040 mg/L) 2012 (0.035 mg/L) 2013 (0.033 mg/L) 2014 (0.021 mg/L)	ENRAA11 (AGM) 2010 (0.021 mg/L) 2011 (0.040 mg/L) 2012 (0.035 mg/L) 2013 (0.033 mg/L) 2014 (0.021 mg/L) 2015 (0.045 mg/L) 2016 (0.050 mg/L) 2017 (0.037 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. There is a Reasonable Assurance Plan (RAP) in development for Mosquito Lagoon.
18-0272	2924B1	Mosquito Lagoon (Shellfish Portion)	Estuary	2	Nutrients (Chlorophyll-a)		ENRAA12 AGM ≤ 3.4 µg/L	3b	5	5	Impaired	Medium	ENRAA12 (AGM) 2005 (2.3 µg/L) 2006 (1.8 µg/L) 2007 (1.8 µg/L) 2008 (3.5 µg/L) 2009 (3.9 µg/L) 2010 (5.3 µg/L) 2011 (7.5 µg/L) 2012 (9.4 µg/L) 2013 (7.8 µg/L) 2014 (5.7 µg/L)	ENRAA12 (AGM) 2010 (5.3 µg/L) 2011 (7.5 µg/L) 2012 (9.4 µg/L) 2013 (7.8 µg/L) 2014 (5.7 µg/L) 2015 (7.1 µg/L) 2016 (15.2 µg/L) 2017 (2.4 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. There is a Reasonable Assurance Plan (RAP) in development for Mosquito Lagoon.
18-0273	2924B1	Mosquito Lagoon (Shellfish Portion)	Estuary	2	Nutrients (Total Nitrogen)		ENRAA12 AGM ≤ 0.65 mg/L	NA	5	5	Impaired	Medium	ENRAA12 (AGM) 2005 (0.58 mg/L) 2006 (0.47 mg/L) 2007 (0.51 mg/L) 2008 (0.50 mg/L) 2009 (0.49 mg/L) 2010 (0.57 mg/L) 2011 (0.68 mg/L) 2012 (0.95 mg/L) 2013 (0.71 mg/L) 2014 (0.74 mg/L)	ENRAA12 (AGM) 2010 (0.57 mg/L) 2011 (0.68 mg/L) 2012 (0.95 mg/L) 2013 (0.71 mg/L) 2014 (0.74 mg/L) 2015 (0.73 mg/L) 2016 (0.95 mg/L) 2017 (0.68 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. There is a Reasonable Assurance Plan (RAP) in development for Mosquito Lagoon.
18-0274	2924B2	Mosquito Lagoon	Estuary	2	Fecal Coliform (SEAS Classification)		Exceeds Shellfish Evaluation & Assessment Section (SEAS) thresholds	NA	5	5	Impaired	High	NA	NA	This waterbody is listed as impaired for this parameter because the shellfish harvesting classification is not fully approved by the Shellfish Harvest Area Classification Program of the department of Agriculture and Consumer Services. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.

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18-0275	2924B2	Mosquito Lagoon	Estuary	2	Nutrients (Chlorophyll-a)		ENRAA13 AGM ≤ 4.0 µg/L	3b	5	5	Impaired	Medium	ENRAA13 (AGM) 2005 (4.0 µg/L) 2006 (1.9 µg/L) 2007 (2.7 µg/L) 2008 (4.2 µg/L) 2009 (5.5 µg/L) 2010 (4.2 µg/L) 2011 (5.0 µg/L) 2012 (5.2 µg/L) 2013 (4.5 µg/L) 2014 (4.0 µg/L)	ENRAA13 (AGM) 2010 (4.2 µg/L) 2011 (5.0 µg/L) 2012 (5.2 µg/L) 2013 (4.5 µg/L) 2014 (4.0 µg/L) 2015 (5.7 µg/L) 2016 (8.1 µg/L) 2017 (2.8 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. There is a Reasonable Assurance Plan (RAP) in development for Mosquito Lagoon.
18-0276	2942A	Turnbull Creek (Marine Segment)	Estuary	3M	Nutrients (Chlorophyll-a)		≤ 11 µg/L	3b	5	5	Impaired	Medium	AGM 2005 (1 µg/L) 2006 (3 µg/L) 2007 (4 µg/L) 2008 (4 µg/L) 2009 (6 µg/L) 2010 (10 µg/L) 2011 (18 µg/L) 2012 (32 µg/L) 2013 (10 µg/L) 2015 (10 µg/L) 2016 (10 µg/L) 2017 (26 µg/L)	AGM 2010 (10 µg/L) 2011 (18 µg/L) 2012 (32 µg/L) 2013 (10 µg/L) 2015 (10 µg/L) 2016 (10 µg/L) 2017 (26 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the nutrient threshold at least twice in a consecutive three year period during the verified period. The most recent data indicates non-impairment, however, this parameter cannot be placed in category 2 (not impaired) because the delisting requirement of three consecutive years of (AGM / AAM / LTA) chlorophyll-a values below (criterion) has not been met. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0277	2963A1	Indian River above Sebastian Inlet	Estuary	2	Fecal Coliform (3)		≤ 14 MPN/100 mL	3c	5	5	Impaired	Low	Planning List	Impaired	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. Station 21FLSEAS75SEAS050 (10 yards within Crane Creek) had a median value that exceeded the 14 counts/100 mL criterion with at least 20 samples in the verified period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0278	2963B1	Indian River above Melbourne Causeway	Estuary	2	Fecal Coliform (3)		≤ 14 MPN/100 mL	NA	5	5	Impaired	Low	Planning List	Impaired	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. Station 21FLSEAS75SEAS010 (Mouth of Eau Gallie River) had a median value that exceeded the 14 counts/100 mL criterion with at least 20 samples in the verified period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0279	2963B1	Indian River above Melbourne Causeway	Estuary	2	Fecal Coliform (SEAS Classification)		Exceeds Shellfish Evaluation & Assessment Section (SEAS) thresholds	NA	5	5	Impaired	High	NA	NA	This waterbody is listed as impaired for this parameter because the shellfish harvesting classification is not fully approved by the Shellfish Harvest Area Classification Program of the department of Agriculture and Consumer Services. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0280	3044A	Newfound Harbor	Estuary	2	Fecal Coliform (SEAS Classification)		Exceeds Shellfish Evaluation & Assessment Section (SEAS) thresholds	NA	5	5	Impaired	High	NA	NA	This waterbody is listed as impaired for this parameter because the shellfish harvesting classification is not fully approved by the Shellfish Harvest Area Classification Program of the department of Agriculture and Consumer Services. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.

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18-0281	3057A	Banana River below 520 Causeway	Estuary	2	Fecal Coliform (SEAS Classification)		Exceeds Shellfish Evaluation & Assessment Section (SEAS) thresholds	NA	5	5	Impaired	High	NA	NA	This waterbody is listed as impaired for this parameter because the shellfish harvesting classification is not fully approved by the Shellfish Harvest Area Classification Program of the department of Agriculture and Consumer Services. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0282	3057B	Banana River above 520 Causeway	Estuary	2	Fecal Coliform (SEAS Classification)		Exceeds Shellfish Evaluation & Assessment Section (SEAS) thresholds	NA	5	5	Impaired	High	NA	NA	This waterbody is listed as impaired for this parameter because the shellfish harvesting classification is not fully approved by the Shellfish Harvest Area Classification Program of the department of Agriculture and Consumer Services. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0283	3085	Crane Creek	Stream	3F	Nutrients (Macrophytes)		LVS C of C $\geq$ 2.5 and LVS FLEPPC $\leq$ 25%	NA	5	5	Impaired	Medium	06/23/2010: (less than 2 sq. m.) 08/10/2016: Avg CoFC - 1.7, FLEPPC - 64% 11/28/2016: Avg CoFC - 1.0, FLEPPC - 85%	06/23/2010: (less than 2 sq. m.) 08/10/2016: Avg CoFC - 1.7, FLEPPC - 64% 11/28/2016: Avg CoFC - 1.0, FLEPPC - 85%	This waterbody is impaired for this parameter based on failing linear vegetation surveys with a C of C < 2.5 and FLEPPC score > 25%. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
18-0284	3087	Elbow Creek	Stream	3F	Nutrients (Macrophytes)		LVS C of C $\geq$ 2.5 and LVS FLEPPC $\leq$ 25%	NA	5	5	Impaired	Medium	10/24/2016: Avg CoFC - .9, FLEPPC - 62% 04/10/2017: Avg CoFC - 1.5, FLEPPC - 50%	10/24/2016: Avg CoFC - .9, FLEPPC - 62% 04/10/2017: Avg CoFC - 1.5, FLEPPC - 50%	This waterbody is impaired for this parameter based on failing linear vegetation surveys with a C of C < 2.5 and FLEPPC score > 25%. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
18-0285	3129A	St. Sebastian River above Indian River Lagoon	Estuary	3M	Iron		$\leq$ 0.3 mg/L	NA	5	5	Impaired	Medium	9/18	19/42	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0286	3147	North Canal	Stream	3F	Iron		$\leq$ 1.0 mg/L	NA	5	5	Impaired	Medium	5/18	9/48	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0287	3147	North Canal	Stream	3F	Nutrients (Macrophytes)		LVS C of C $\geq$ 2.5 and LVS FLEPPC $\leq$ 25%	NA	5	5	Impaired	Medium	03/25/2008: Avg CoFC - 1.9, FLEPPC - 43% 11/05/2008: Avg CoFC - 1.9, FLEPPC - 40% 07/27/2016: Avg CoFC - 2.8, FLEPPC - 27% 10/31/2016: Avg CoFC - 2.4, FLEPPC - 49% 06/26/2017: Avg CoFC - 1.7, FLEPPC - 58%	07/27/2016: Avg CoFC - 2.8, FLEPPC - 27% 10/31/2016: Avg CoFC - 2.4, FLEPPC - 49% 06/26/2017: Avg CoFC - 1.7, FLEPPC - 58%	This waterbody is impaired for this parameter based on failing linear vegetation surveys with a C of C < 2.5 and FLEPPC score > 25%. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
18-0288	3147	North Canal	Stream	3F	Nutrients (Total Phosphorus)		AGM $\leq$ 0.12 mg/L	NA	5	5	Impaired	Medium	AGM 2005 (0.22 mg/L) 2006 (0.19 mg/L) 2007 (0.24 mg/L) 2008 (0.21 mg/L) 2009 (0.24 mg/L) 2010 (0.14 mg/L) 2011 (0.17 mg/L) 2012 (0.16 mg/L) 2013 (0.18 mg/L) 2014 (0.15 mg/L)	AGM 2010 (0.14 mg/L) 2011 (0.17 mg/L) 2012 (0.16 mg/L) 2013 (0.18 mg/L) 2014 (0.15 mg/L) 2015 (0.16 mg/L) 2016 (0.18 mg/L) 2017 (0.17 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient criterion more than once in a three year period, and there is biological evidence indicating non attainment of the designated use. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.

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18-0289	3153A	Main Canal	Stream	3F	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	5	5	Impaired	Medium		07/27/2016: Avg CoFC - 2.0, FLEPPC - 49% 10/31/2016: Avg CoFC - 2.1, FLEPPC - 53%	This waterbody is impaired for this parameter based on failing linear vegetation surveys with a C of C < 2.5 and FLEPPC score > 25%. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
18-0290	3163	Fort Pierce Farm Canal (Belcher Canal/Taylor Creek)	Stream	3F	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	5	5	Impaired	Medium	09/19/2013: Avg CoFC - 1.3, FLEPPC - 59% 12/30/2013: Avg CoFC - 1.8, FLEPPC - 46%	09/19/2013: Avg CoFC - 1.3, FLEPPC - 59% 12/30/2013: Avg CoFC - 1.8, FLEPPC - 46%	This waterbody is impaired for this parameter based on failing linear vegetation surveys with a C of C < 2.5 and FLEPPC score > 25%. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
18-0291	3163	Fort Pierce Farm Canal (Belcher Canal/Taylor Creek)	Stream	3F	Nutrients (Total Phosphorus)		AGM ≤ 0.12 mg/L	4d	5	5	Impaired	Medium	AGM 2005 (0.18 mg/L) 2006 (0.15 mg/L) 2007 (0.17 mg/L) 2008 (0.15 mg/L) 2009 (0.12 mg/L) 2010 (0.14 mg/L) 2011 (0.10 mg/L) 2012 (0.16 mg/L)	AGM 2010 (0.14 mg/L) 2011 (0.10 mg/L) 2012 (0.16 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient threshold more than once in a three year period, and there is biological evidence indicating non attainment of the designated use. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0292	3163B	C-25 East Segment	Stream	3F	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	5	5	Impaired	Medium	07/24/2013: Avg CoFC - 2.8, FLEPPC - 34% 11/26/2013: Avg CoFC - .2, FLEPPC - 85% 02/09/2017: Avg CoFC - 1.8, FLEPPC - 53%	07/24/2013: Avg CoFC - 2.8, FLEPPC - 34% 11/26/2013: Avg CoFC - .2, FLEPPC - 85% 02/09/2017: Avg CoFC - 1.8, FLEPPC - 53%	This waterbody is impaired for this parameter based on failing linear vegetation surveys with a C of C < 2.5 and FLEPPC score > 25%. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
18-0293	5003B1	South Indian River (below SR 60)	Estuary	2	Copper		≤ 3.7 µg/L	NA	5	5	Impaired	Medium	4/6	5/22	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0294	5003B1	South Indian River (below SR 60)	Estuary	2	Fecal Coliform (SEAS Classification)		Exceeds Shellfish Evaluation & Assessment Section (SEAS) thresholds	NA	5	5	Impaired	High	NA	NA	This waterbody is listed as impaired for this parameter because the shellfish harvesting classification is not fully approved by the Shellfish Harvest Area Classification Program of the department of Agriculture and Consumer Services. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0295	5003C1	South Indian River (above SR 60)	Estuary	2	Iron		≤ 0.3 mg/L	3a	5	5	Impaired	Medium	2/36	30/82	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.

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

² The Cycle 1 assessment was completed in 2009 and included data from that assessment period (January 1, 1994 through June 30, 2006).

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

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

[†] EPA's Integrated Report Category:

- 1 - Attains all designated uses.
- 2 - Attains some designated uses and insufficient or no information or data are present to determine if remaining uses are attained.
- 3a - No data and information are present to determine if any designated use is attained.
- 3b - Some data and information are present but not enough to determine if any designated use is attained.

Indian River Lagoon Group 5 Basin - Central District - Cycle 3 FINAL Verified List

OGC Case Number	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 Cycle Summary Assessment Category ²	[†] Cycle 3 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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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; Big 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 Beach advisories are based on FL Dept of Health Enterococcus criterion of >70 CFU/100mL. Beach advisory data are provided by the Florida Department of Health 2016 Beach Advisories.

Fish advisory data are provided by the Florida Department of Health 2017 Fish Advisories.

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

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

The Group 5 Indian River Lagoon Final Verified List is based on IWR Run 54_2 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of February 17, 2016.

Perdido Group 5 Basin - Northwest District - Cycle 3 FINAL Verified List

OGC Case Number	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 Cycle Summary Assessment Category ²	[†] Cycle 3 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
18-0296	797	Perdido Bay (Upper Segment)	Estuary	3M	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	64/453	36/282	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.

¹ Florida's waterbody classifications are defined as:

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

² The Cycle 1 assessment was completed in 2009 and included data from that assessment period (January 1, 1994 through June 30, 2006).

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

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

[†] EPA's Integrated Report Category:

- 1 - Attains all designated uses.
- 2 - Attains some designated uses and insufficient or no information or data are present to determine if remaining uses are attained.
- 3a - No data and information are present to determine if any designated use is attained.
- 3b - Some data and information are present but not enough to determine if any designated use is attained.
- 3c - Enough data and information are present to determine that one or more designated uses may not be attained according to the Planning List methodology.
- 4a - Impaired for one or more designated uses but does not require TMDL development because a TMDL has already been completed.
- 4b - Impaired for one or more designated uses but does not require TMDL development because the water will attain water quality standards due to existing or proposed measures.
- 4c - Impaired for one or more criteria or designated uses but does not require TMDL development because impairment is not caused by a pollutant.
- 4d - Waterbody indicates nonattainment of water quality standards, but the Department does not have enough information to determine a causative pollutant; or current data show a potentially adverse trend in nutrients or nutrient response variables; or there are exceedances of stream nutrient thresholds, but the Department does not have enough information to fully assess nonattainment of the stream nutrient standard.
- 4e - Waterbody indicates nonattainment of water quality standards and pollution control mechanisms or restoration activities are in progress or planned to address nonattainment of water quality standards, but the Department does not have enough information to fully evaluate whether proposed pollution mechanisms will result in attainment of water quality standards.
- 5 - Water quality standards are not attained and a TMDL is required.

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

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

Where Biology data are presented as SCI (n=y), y represents the total number of samples; Big 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 Beach advisories are based on FL Dept of Health Enterococcus criterion of >70 CFU/100mL. Beach advisory data are provided by the Florida Department of Health 2016 Beach Advisories.

Fish advisory data are provided by the Florida Department of Health 2017 Fish Advisories.

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

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

The Group 5 Perdido Final Verified List is based on IWR Run 54_2 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of February 17, 2016.

Springs Coast Group 5 Basin - Southwest District - Cycle 3 FINAL Verified List

OGC Case Number	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 Cycle Summary Assessment Category ²	[†] Cycle 3 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
18-0297	1341I	Crystal River	Estuary	2	Fecal Coliform		≤ 43 MPN/100 mL	2	5	5	Impaired	Low	43/222	19/121	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0298	1341I	Crystal River	Estuary	2	Fecal Coliform (3)		≤ 14 MPN/100 mL	NA	5	5	Impaired	Low	Planning List	Impaired	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. Station 21FLSEAS37SEAS090 (Salt River at Hwy 44 Bridge) had a median value that exceeded the 14 counts/100 mL criterion with at least 20 samples in the verified period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0299	1341I	Crystal River	Estuary	2	Fecal Coliform (SEAS Classification)		Exceeds Shellfish Evaluation & Assessment Section (SEAS) thresholds	NA	5	5	Impaired	High	NA	NA	This waterbody is listed as impaired for this parameter because the shellfish harvesting classification is not fully approved by the Shellfish Harvest Area Classification Program of the department of Agriculture and Consumer Services. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0300	1392B	Lake Hancock	Lake	3F	Biology	Nutrients	Average score of at least two temporally independent LVI scores ≥ 43; or either of the two most recent LVI scores ≥ 43; or if there are only two LVI scores and there is less than or equal to a 20 point difference.	NA	5	5	Impaired	Medium	LVI (n=1) Mean 1 (18), Mean 2 ()	LVI (n=3) Big Mean (21) Mean 1 (24), Mean 2 (22)	This waterbody is impaired for this parameter based on failing bioassessments and nutrients have been determined to be the causative pollutant. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0301	1392B	Lake Hancock	Lake	3F	Nutrients (Chlorophyll-a)		≤ 6 µg/L	2	5	5	Impaired	Medium	AGM 2005 (3 µg/L) 2010 (10 µg/L)	AGM 2010 (10 µg/L) 2016 (28 µg/L) 2017 (25 µg/L)	This waterbody is impaired for this parameter. The annual geometric mean exceeded the nutrient criteria more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0302	1392B	Lake Hancock	Lake	3F	Nutrients (Total Nitrogen)		Chl-a AGM ≤ 6 µg/L, TN AGM ≤ 0.93 mg/L; If Chl-a has Insufficient or No Data to calculate AGM or if Chl-a AGM > 6 µg/L, TN AGM ≤ 0.51 mg/L	NA	5	5	Impaired	Medium	AGM 2005 (0.85 mg/L) 2010 (1.00 mg/L)	AGM 2010 (1.00 mg/L) 2016 (1.08 mg/L) 2017 (1.20 mg/L)	This waterbody is impaired for this parameter. The annual geometric mean exceeded the nutrient criteria more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0303	1392B	Lake Hancock	Lake	3F	Nutrients (Total Phosphorus)		Chl-a AGM ≤ 6 µg/L, TP AGM ≤ 0.03 mg/L; If Chl-a has Insufficient or No Data to calculate AGM or if Chl-a AGM > 6 µg/L, TP AGM ≤ 0.01 mg/L	NA	5	5	Impaired	Medium	AGM 2005 (0.01 mg/L) 2010 (0.05 mg/L)	AGM 2010 (0.05 mg/L) 2016 (0.05 mg/L) 2017 (0.06 mg/L)	This waterbody is impaired for this parameter. The annual geometric mean exceeded the nutrient criteria more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0304	1409A	Moon Lake	Lake	3F	Nutrients (Chlorophyll-a)		≤ 6 µg/L	3b	5	5	Impaired	Medium	AGM Insufficient Data	AGM 2016 (7 µg/L) 2017 (7 µg/L)	This waterbody is impaired for this parameter. The annual geometric mean exceeded the nutrient criteria more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0305	1409A	Moon Lake	Lake	3F	Nutrients (Total Nitrogen)		Chl-a AGM ≤ 6 µg/L, TN AGM ≤ 0.93 mg/L; If Chl-a has Insufficient or No Data to calculate AGM or if Chl-a AGM > 6 µg/L, TN AGM ≤ 0.51 mg/L	NA	5	5	Impaired	Medium	AGM Insufficient Data	AGM 2016 (0.83 mg/L) 2017 (0.81 mg/L)	This waterbody is impaired for this parameter. The annual geometric mean exceeded the nutrient criteria more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.

Springs Coast Group 5 Basin - Southwest District - Cycle 3 FINAL Verified List

OGC Case Number	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 Cycle Summary Assessment Category ²	[†] Cycle 3 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
18-0306	1409A	Moon Lake	Lake	3F	Nutrients (Total Phosphorus)		Chl-a AGM ≤ 6 µg/L, TP AGM ≤ 0.03 mg/L; If Chl-a has Insufficient or No Data to calculate AGM or if Chl-a AGM > 6 µg/L, TP AGM ≤ 0.01 mg/L	NA	5	5	Impaired	Medium	AGM Insufficient Data	AGM 2016 (0.02 mg/L) 2017 (0.02 mg/L)	This waterbody is impaired for this parameter. The annual geometric mean exceeded the nutrient criteria more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0307	1440A	Anclote River Bayou Complex (Spring Bayou)	Estuary	3M	Iron		≤ 0.3 mg/L	NA	5	5	Impaired	Medium	15/53	15/53	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. However, the impairment may be due to natural conditions; therefore, the assessment is pending further analysis by DEP.
18-0308	1508	Klosterman Bayou	Estuary	3M	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	10/15	16/17	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. There is a DEP Adopted - EPA Approved Fecal Coliform TMDL for this waterbody and therefore, the priority for TMDL Development is Low.
18-0309	1508A	Klosterman Bayou Run	Stream	3F	Nutrients (Total Nitrogen)		AGM ≤ 1.54 mg/L	NA	5	5	Impaired	Medium	AGM 2007 (2.24 mg/L) 2008 (2.76 mg/L) 2010 (2.04 mg/L) 2013 (2.49 mg/L) 2014 (2.70 mg/L)	AGM 2010 (2.04 mg/L) 2013 (2.49 mg/L) 2014 (2.70 mg/L) 2015 (2.35 mg/L) 2016 (1.93 mg/L) 2017 (2.30 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three-year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
18-0310	1508A	Klosterman Bayou Run	Stream	3F	Nutrients (Total Phosphorus)		AGM ≤ 0.12 mg/L	NA	5	5	Impaired	Medium	AGM 2007 (1.01 mg/L) 2008 (1.31 mg/L) 2010 (0.69 mg/L) 2013 (0.62 mg/L) 2014 (0.65 mg/L)	AGM 2010 (0.69 mg/L) 2013 (0.62 mg/L) 2014 (0.65 mg/L) 2015 (0.57 mg/L) 2016 (0.42 mg/L) 2017 (0.51 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three-year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
18-0311	1512Z	Wall Spring (Health Springs)	Spring	3F	Nutrients (Nitrate-Nitrite)		≤ 0.35 mg/L	NA	5	5	Impaired	Medium	AGM 2006 (4.67 mg/L) 2007 (4.57 mg/L) 2008 (4.40 mg/L) 2009 (4.32 mg/L) 2010 (4.31 mg/L) 2011 (4.41 mg/L) 2012 (4.54 mg/L) 2013 (3.45 mg/L) 2014 (4.00 mg/L)	AGM 2010 (4.31 mg/L) 2011 (4.41 mg/L) 2012 (4.54 mg/L) 2013 (3.45 mg/L) 2014 (4.00 mg/L) 2015 (3.94 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three-year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
18-0312	1527B	Bee Branch	Stream	3F	Biology	Nutrients	Average score of at least two temporally independent SCI scores ≥ 40; or either of the two most recent SCI scores ≥ 35; or if there are only two SCI scores and there is less than or equal to a 20 point difference.	NA	5	5	Impaired	Medium	SCI (n=1) Mean 1 (49), Mean 2 ()	SCI (n=3) Big Mean (40) Mean 1 (37), Mean 2 (33)	This waterbody is impaired for this parameter based on failing bioassessments and nutrients have been determined to be the causative pollutant. Data used in this assessment was provided by Pinellas County. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0313	1527B	Bee Branch	Stream	3F	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	5	5	Impaired	Medium	04/17/2014: Avg CoFC - .9, FLEPPC - 63% (21FLPDEM) 12/16/2014: Avg CoFC - .1, FLEPPC - 94% (21FLPDEM) 02/10/2016: Avg CoFC - .9, FLEPPC - 69% (21FLPDEM)	04/17/2014: Avg CoFC - .9, FLEPPC - 63% (21FLPDEM) 12/16/2014: Avg CoFC - .1, FLEPPC - 94% (21FLPDEM) 02/10/2016: Avg CoFC - .9, FLEPPC - 69% (21FLPDEM)	This waterbody is impaired for this parameter based on failing linear vegetation surveys with a C of C < 2.5 and FLEPPC score > 25%. Data used in this assessment was provided by Pinellas County. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.

Springs Coast Group 5 Basin - Southwest District - Cycle 3 FINAL Verified List

OGC Case Number	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 Cycle Summary Assessment Category ²	[†] Cycle 3 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
18-0314	1527B	Bee Branch	Stream	3F	Nutrients (Total Phosphorus)		AGM ≤ 0.12 mg/L	NA	5	5	Impaired	Medium	AGM 2005 (0.07 mg/L) 2006 (0.10 mg/L) 2007 (0.10 mg/L) 2008 (0.11 mg/L) 2009 (0.12 mg/L) 2010 (0.10 mg/L) 2011 (0.12 mg/L) 2012 (0.13 mg/L) 2013 (0.13 mg/L) 2014 (0.13 mg/L)	AGM 2010 (0.10 mg/L) 2011 (0.12 mg/L) 2012 (0.13 mg/L) 2013 (0.13 mg/L) 2014 (0.13 mg/L) 2015 (0.13 mg/L) 2016 (0.14 mg/L) 2017 (0.17 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient threshold more than once in a three year period, and there is biological evidence indicating non attainment of the designated use. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0315	1528A	The Narrows	Estuary	3M	Nutrients (Chlorophyll-a)		ENRB5 AAM ≤ 8.3 µg/L	2	5	5	Impaired	Medium	ENRB5 (AAM) 2005 (8.0 µg/L) 2006 (6.7 µg/L) 2007 (6.9 µg/L) 2008 (6.5 µg/L) 2009 (11.0 µg/L) 2010 (6.7 µg/L) 2011 (7.1 µg/L) 2012 (9.4 µg/L) 2013 (9.5 µg/L) 2014 (8.2 µg/L) 2015 (9.5 µg/L) 2016 (10.3 µg/L)	ENRB5 (AAM) 2010 (6.7 µg/L) 2011 (7.1 µg/L) 2012 (9.4 µg/L) 2013 (9.5 µg/L) 2014 (8.2 µg/L) 2015 (9.5 µg/L) 2016 (10.3 µg/L)	This waterbody is impaired for this parameter because the annual arithmetic means exceeded the applicable ENR criterion more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
18-0316	1567B	Spring Branch	Stream	3F	Biology	Nutrients	Average score of at least two temporally independent SCI scores ≥ 40; or either of the two most recent SCI scores ≥ 35; or if there are only two SCI scores and there is less than or equal to a 20 point difference.	3c	5	5	Impaired	Medium	SCI (n=2) Mean 1 (38), Mean 2 (13)	SCI (n=4) Big Mean (33) Mean 1 (22), Mean 2 (41)	This waterbody is impaired for this parameter based on failing bioassessments and nutrients have been determined to be the causative pollutant. Data used in this assessment was provided by Pinellas County. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0317	1567B	Spring Branch	Stream	3F	Nutrients (Total Phosphorus)		AGM ≤ 0.12 mg/L	NA	5	5	Impaired	Medium	AGM 2005 (0.27 mg/L) 2006 (0.32 mg/L) 2007 (0.27 mg/L) 2008 (0.25 mg/L) 2009 (0.33 mg/L) 2011 (0.20 mg/L) 2012 (0.27 mg/L) 2013 (0.28 mg/L) 2014 (0.24 mg/L)	AGM 2011 (0.20 mg/L) 2012 (0.27 mg/L) 2013 (0.28 mg/L) 2014 (0.24 mg/L) 2015 (0.19 mg/L) 2016 (0.19 mg/L)	This waterbody is impaired for this parameter. The annual geometric means exceeded the nutrient criterion more than once in a three year period, and there is biological evidence indicating non attainment of the designated use. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0318	1567C	Stevenson Creek (Fresh Segment)	Stream	3F	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	5	5	Impaired	Medium	05/01/2014: Avg CoFC - .6, FLEPPC - 68% 10/09/2014: Avg CoFC - 1.0, FLEPPC - 77% (21FLPDEM) 02/17/2016: Avg CoFC - .5, FLEPPC - 81% (21FLPDEM)	05/01/2014: Avg CoFC - .6, FLEPPC - 68% 10/09/2014: Avg CoFC - 1.0, FLEPPC - 77% (21FLPDEM) 02/17/2016: Avg CoFC - .5, FLEPPC - 81% (21FLPDEM)	This waterbody is impaired for this parameter based on failing linear vegetation surveys with a C of C < 2.5 and FLEPPC score > 25%. Data used in this assessment was provided by Pinellas County. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0319	1641	Cross Canal (South)	Estuary	3M	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	68/105	59/99	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
18-0320	1668B	Pinellas Park Ditch No 5 (Bonn Creek)	Stream	3F	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	5	5	Impaired	Medium	05/13/2014: Avg CoFC - 1.5, FLEPPC - 64% (21FLPDEM) 12/09/2014: Avg CoFC - 1.6, FLEPPC - 52% (21FLPDEM)	05/13/2014: Avg CoFC - 1.5, FLEPPC - 64% (21FLPDEM) 12/09/2014: Avg CoFC - 1.6, FLEPPC - 52% (21FLPDEM)	This waterbody is impaired for this parameter based on failing linear vegetation surveys with a C of C < 2.5 and FLEPPC score > 25%. Data used in this assessment was provided by Pinellas County. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.

Springs Coast Group 5 Basin - Southwest District - Cycle 3 FINAL Verified List

OGC Case Number	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 Cycle Summary Assessment Category ²	[†] Cycle 3 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
18-0321	1694B	Boca Ciega Bay (North)	Estuary	3M	Nutrients (Chlorophyll-a)		ENRB5 AAM ≤ 8.3 µg/L	2	5	5	Impaired	Medium	ENRB5 (AAM) 2005 (8.1 µg/L) 2006 (4.1 µg/L) 2007 (4.6 µg/L) 2008 (6.4 µg/L) 2009 (6.9 µg/L) 2010 (6.6 µg/L) 2011 (5.6 µg/L) 2012 (6.1 µg/L) 2013 (5.9 µg/L) 2014 (6.2 µg/L) 2015 (8.4 µg/L) 2016 (9.3 µg/L)	ENRB5 (AAM) 2010 (6.6 µg/L) 2011 (5.6 µg/L) 2012 (6.1 µg/L) 2013 (5.9 µg/L) 2014 (6.2 µg/L) 2015 (8.4 µg/L) 2016 (9.3 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period during the verified period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0322	1701	Bear Creek	Estuary	3M	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	High	51/52	45/50	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.
18-0323	1716C1	Clam Bayou (East Drainage-North)	Estuary	3M	Enterococci		≤ 130 Counts / 100 mL	NA	5	5	Impaired	Low	2/4	14/22	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. The data for this parameter was associated with retired WBID 1716C. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List. There is a DEP Adopted - EPA Approved Fecal Coliform TMDL for this waterbody and therefore, the Priority for TMDL Development is Low.
18-0324	8038C	Gulf of Mexico (Withlacoochee River)	Coastal	2	Fecal Coliform (3)		≤ 14 MPN/100 mL	NA	5	5	Impaired	Low	Planning List	Impaired	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. Stations 21FLSEAS34SEAS100 (east of island with fish shack) and 21FLSEAS34SEAS110 (park beach near hwy 40) had a median value that exceeded the 14 counts/100 mL criterion with at least 20 samples in the verified period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0325	8038C	Gulf of Mexico (Withlacoochee River)	Coastal	2	Fecal Coliform (SEAS Classification)		Exceeds Shellfish Evaluation & Assessment Section (SEAS) thresholds	NA	5	5	Impaired	High	NA	NA	This waterbody is listed as impaired for this parameter because the shellfish harvesting classification is not fully approved by the Shellfish Harvest Area Classification Program of the department of Agriculture and Consumer Services. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0326	8038C	Gulf of Mexico (Withlacoochee River)	Coastal	2	Nutrients (Chlorophyll-a)		ENRV3 AGM ≤ 4.9 µg/L	NA	5	5	Impaired	Medium	ENRV3 (AGM) 2007 (4.0 µg/L) 2008 (4.2 µg/L) 2009 (4.3 µg/L) 2013 (5.2 µg/L) 2014 (5.2 µg/L)	ENRV3 (AGM) 2013 (5.2 µg/L) 2014 (5.2 µg/L) 2015 (3.7 µg/L) 2016 (2.9 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period during the verified period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0327	8038C	Gulf of Mexico (Withlacoochee River)	Coastal	2	Nutrients (Total Nitrogen)		ENRV3 AGM ≤ -0.0328*AASal + 1.4177	NA	5	5	Impaired	Medium	ENRV3 (AGM) Insufficient Data	ENRV3 (AGM): Station 21FLWQA 34SEAS110 2014 (0.72) (2015 (0.86) 2016 (0.73)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period for station 21FLWQA 34SEAS110 during the verified period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List 21FLWQA 34SEAS110.

Springs Coast Group 5 Basin - Southwest District - Cycle 3 FINAL Verified List

OGC Case Number	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 Cycle Summary Assessment Category ²	[†] Cycle 3 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
18-0328	8043	Gulf of Mexico (Pasco County; Hernando County)	Coastal	3M	Nutrients (Chlorophyll-a)		ENRW3 AGM ≤ 0.8 µg/L	3b	5	5	Impaired	Medium	ENRW3 (AGM) 2007 (0.6 µg/L) 2008 (1.2 µg/L) 2009 (1.1 µg/L)	ENRW3 (AGM) 2015 (1.0 µg/L) 2016 (2.6 µg/L) 2017 (0.6 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period during the verified period. There was an outlier in the data for 2016 that caused a higher value in the AGM. This did not affect the assessment because the AGM still exceeded the criterion with the outlier removed. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0329	8043	Gulf of Mexico (Pasco County; Hernando County)	Coastal	3M	Nutrients (Total Nitrogen)		ENRW3 AGM ≤ 0.45 mg/L	NA	5	5	Impaired	Medium	ENRW3 (AGM) 2006 (0.33 mg/L) 2007 (0.41 mg/L) 2008 (0.39 mg/L) 2009 (0.46 mg/L)	ENRW3 (AGM) 2015 (0.36 mg/L) 2016 (0.64 mg/L) 2017 (0.58 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period during the verified period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0330	8044E	Gulf of Mexico (Pasco County; Pithlachascotee River)	Coastal	3M	Nutrients (Total Nitrogen)		ENRW11 AGM ≤ 0.47 mg/L	NA	5	5	Impaired	Medium	ENRW11 (AGM) 2006 (0.34 mg/L) 2007 (0.40 mg/L) 2008 (0.39 mg/L) 2009 (0.52 mg/L)	ENRW11 (AGM) 2015 (0.41 mg/L) 2016 (0.63 mg/L) 2017 (0.59 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three-year period. This parameter is being added to the Verified List and the department is requesting EPA add it to the 303(d) List.

¹ Florida's waterbody classifications are defined as:

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

² The Cycle 1 assessment was completed in 2009 and included data from that assessment period (January 1, 1994 through June 30, 2006).

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

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

[†] EPA's Integrated Report Category:

- 1 - Attains all designated uses.
- 2 - Attains some designated uses and insufficient or no information or data are present to determine if remaining uses are attained.
- 3a - No data and information are present to determine if any designated use is attained.
- 3b - Some data and information are present but not enough to determine if any designated use is attained.
- 3c - Enough data and information are present to determine that one or more designated uses may not be attained according to the Planning List methodology.
- 4a - Impaired for one or more designated uses but does not require TMDL development because a TMDL has already been completed.
- 4b - Impaired for one or more designated uses but does not require TMDL development because the water will attain water quality standards due to existing or proposed measures.
- 4c - Impaired for one or more criteria or designated uses but does not require TMDL development because impairment is not caused by a pollutant.
- 4d - Waterbody indicates nonattainment of water quality standards, but the Department does not have enough information to determine a causative pollutant; or current data show a potentially adverse trend in nutrients or nutrient response variables; or there are exceedances of stream nutrient thresholds, but the Department does not have enough information to fully assess nonattainment of the stream nutrient standard.
- 4e - Waterbody indicates nonattainment of water quality standards and pollution control mechanisms or restoration activities are in progress or planned to address nonattainment of water quality standards, but the Department does not have enough information to fully evaluate whether proposed pollution mechanisms will result in attainment of water quality standards.
- 5 - Water quality standards are not attained and a TMDL is required.

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

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

Where Biology data are presented as SCI (n=y), y represents the total number of samples; Big 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.

⁶ Beach advisories are based on FL Dept of Health Enterococcus criterion of >70 CFU/100mL. Beach advisory data are provided by the Florida Department of Health 2016 Beach Advisories.

Fish advisory data are provided by the Florida Department of Health 2017 Fish Advisories.

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

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

The Group 5 Springs Coast Final Verified List is based on IWR Run 54_2 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of February 17, 2016.

Upper East Coast Group 5 Basin - Northeast District - Cycle 3 FINAL Verified List

OGC Case Number	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 Cycle Summary Assessment Category ²	[†] Cycle 3 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
18-0331	2363A	Halifax River	Estuary	3M	Nutrients (Chlorophyll-a)		ENRS1 AGM ≤ 6.2 µg/L	3b	5	5	Impaired	Medium	ENRS1 (AGM) 2005 (2.1 µg/L) 2006 (3.6 µg/L) 2007 (3.3 µg/L) 2008 (4.5 µg/L) 2009 (5.8 µg/L) 2010 (6.3 µg/L) 2011 (7.7 µg/L) 2012 (5.2 µg/L) 2013 (2.8 µg/L) 2014 (3.8 µg/L)	ENRS1 (AGM) 2010 (6.3 µg/L) 2011 (7.7 µg/L) 2012 (5.2 µg/L) 2013 (1.9 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0332	2363A	Halifax River	Estuary	3M	Nutrients (Total Nitrogen)		ENRS1 AGM ≤ 0.72 mg/L	NA	5	5	Impaired	Medium	ENRS1 (AGM) 2005 (0.54 mg/L) 2006 (0.41 mg/L) 2007 (0.53 mg/L) 2008 (0.50 mg/L) 2009 (0.60 mg/L) 2010 (0.62 mg/L) 2011 (0.76 mg/L) 2012 (0.72 mg/L) 2013 (0.51 mg/L) 2014 (0.49 mg/L)	ENRS1 (AGM) 2010 (0.64 mg/L) 2011 (1.00 mg/L) 2013 (0.98 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0333	2363D	Palm Coast	Estuary	3M	Iron		≤ 0.3 mg/L	3b	5	5	Impaired	Medium	9/19	24/42	This waterbody is impaired for this parameter based on the number of exceedances for the sample size.
18-0334	2363EC	ICWW (Flagler County)	Estuary	3M	Iron		≤ 0.3 mg/L	3c	5	5	Impaired	Medium	17/18	13/13	This waterbody is impaired for this parameter based on the number of exceedances for the sample size.
18-0335	236311	Tolomato River	Estuary	3M	Nutrients (Total Nitrogen)		ENRT1 AGM ≤ 0.65 mg/L	NA	5	5	Impaired	Medium	ENRT1 (AGM) 2005 (0.73 mg/L) 2006 (0.75 mg/L) 2007 (0.67 mg/L) 2008 (0.77 mg/L) 2009 (0.79 mg/L) 2010 (0.66 mg/L) 2011 (0.59 mg/L) 2014 (0.62 mg/L)	ENRT1 (AGM) 2010 (0.66 mg/L) 2011 (0.59 mg/L) 2014 (0.62 mg/L) 2015 (0.84 mg/L) 2017 (0.76 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0336	2363J	Palm Coast	Estuary	3M	Nutrients (Chlorophyll-a)		ENRY10 AAM ≤ 4.5 µg/L	5	5	5	Impaired	Medium	ENRY10 (AAM) 2005 (8.1 µg/L) 2006 (5.3 µg/L) 2007 (6.0 µg/L) 2008 (7.3 µg/L) 2009 (11.8 µg/L) 2010 (12.8 µg/L) 2011 (12.3 µg/L) 2012 (12.7 µg/L) 2013 (9.3 µg/L) 2014 (9.5 µg/L)	ENRY10 (AAM) 2010 (12.8 µg/L) 2011 (12.3 µg/L) 2012 (12.7 µg/L) 2013 (9.3 µg/L) 2014 (9.5 µg/L) 2015 (8.7 µg/L) 2016 (7.5 µg/L) 2017 (7.2 µg/L)	This waterbody is impaired for this parameter because the annual arithmetic means exceeded the criterion more than once in a three year period. This waterbody was placed in category 5 in a previous cycle but was not added to the Verified List because the more stringent element of the nutrient assessment, Nutrients (Historic Chlorophyll-a), was impaired and that parameter was added. Nutrients (Historic Chlorophyll-a) is currently being delisted because it is no longer assessed to determine impairment. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0337	2499	Oyster Creek	Estuary	3M	Dissolved Oxygen (Percent Saturation)	Nutrients	≥ 42 %	2	5	5	Impaired	Medium	6/41	7/31	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and nutrients have been identified as the causative pollutant. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0338	2499	Oyster Creek	Estuary	3M	Nutrients (Chlorophyll-a)		≤ 11 µg/L	NA	5	5	Impaired	Medium	AGM No Data	AGM 2016 (12 µg/L) 2017 (23 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.

Upper East Coast Group 5 Basin - Northeast District - Cycle 3 FINAL Verified List

OGC Case Number	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 Cycle Summary Assessment Category ²	[†] Cycle 3 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
18-0339	2535A	Moses Creek (Marine Segment)	Estuary	2	Fecal Coliform		≤ 43 MPN/100 mL	3c	5	5	Impaired	Low	No Data	10/14	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0340	2580A	Pellicer Creek	Estuary	2	Fecal Coliform		≤ 43 MPN/100 mL	3b	5	5	Impaired	Low	17/23	21/27	This waterbody is impaired for this parameter based on the number of exceedances for the sample size. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0341	2580A	Pellicer Creek	Estuary	2	Nutrients (Chlorophyll-a)		ENRT4 AGM ≤ 4.3 µg/L	3b	5	5	Impaired	Medium	ENRT4 (AGM) 2005 (1.5 µg/L) 2014 (6.7 µg/L)	ENRT4 (AGM) 2014 (6.7 µg/L) 2015 (7.9 µg/L) 2016 (8.3 µg/L) 2017 (9.2 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0342	2580B	Pellicer Creek	Estuary	2	Dissolved Oxygen (Percent Saturation)	Nutrients	≥ 42 %	4d	5	5	Impaired	Medium	26/101	22/66	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and nutrients have been identified as the causative pollutant. This parameter is being added to the Verified List and this parameter will remain on the 303(d) List.
18-0343	2580B	Pellicer Creek	Estuary	2	Nutrients (Chlorophyll-a)		ENRT4 AGM ≤ 4.3 µg/L	3b	5	5	Impaired	Medium	ENRT4 (AGM) 2005 (0.6 µg/L) 2006 (1.8 µg/L) 2007 (0.4 µg/L) 2008 (1.7 µg/L) 2009 (2.5 µg/L) 2011 (5.1 µg/L) 2012 (1.7 µg/L) 2013 (0.9 µg/L) 2014 (0.7 µg/L)	ENRT4 (AGM) 2011 (5.1 µg/L) 2012 (1.7 µg/L) 2013 (0.9 µg/L) 2014 (0.7 µg/L) 2015 (4.7 µg/L) 2017 (5.5 µg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0344	2609A	St Joe Canal	Stream	3F	Nutrients (Algal Mats)		RPS ≤ 25%, or when between 20% - 25% Evaluation of Algal Autoecological Data Indicates No Imbalance	NA	5	5	Impaired	Medium	No Data	06/16/2016: 26% 04/03/2017: 64%	This waterbody is impaired for this parameter based on failing rapid periphyton surveys with >25% coverage periphyton. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0345	2609A	St Joe Canal	Stream	3F	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	5	5	Impaired	Medium	No Data	06/16/2016: Avg CofC - 1.8, FLEPPC - 44% 04/03/2017: Avg CofC - 1.6, FLEPPC - 38%	This waterbody is impaired for this parameter based on failing linear vegetation surveys with a C of C < 2.5 and FLEPPC score > 25%. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0346	2641	Unnamed Branch	Stream	3F	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	High	No Data	5/5	This waterbody is impaired for this parameter based on the number of exceedances for the sample size, and anthropogenic sources have been confirmed using genetic marker and chemical tracer data. Fewer than twenty samples can be used to identify a waterbody as impaired if there are at least five exceedances, per 62-303.390(2)(f) F.A.C. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0347	2645	Mizners Branch	Stream	3F	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	5	5	Impaired	Medium	No Data	11/03/2015: Avg CofC - 1.2, FLEPPC - 51% 02/10/2016: Avg CofC - 2.1, FLEPPC - 33% 08/18/2016: Avg CofC - 2.2, FLEPPC - 41%	This waterbody is impaired for this parameter based on failing linear vegetation surveys with a C of C < 2.5 and FLEPPC score > 25%. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.

Upper East Coast Group 5 Basin - Northeast District - Cycle 3 FINAL Verified List

OGC Case Number	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 Cycle Summary Assessment Category ²	[†] Cycle 3 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
18-0348	2673	Tributary to Spruce Creek	Stream	3F	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	5	5	Impaired	Medium	No Data	09/26/2016: Avg CoFC - 1.4, FLEPPC - 52% 06/21/2017: Avg CoFC - 2.3, FLEPPC - 33%	This waterbody is impaired for this parameter based on failing linear vegetation surveys with a C of C < 2.5 and FLEPPC score > 25%. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0349	2673	Tributary to Spruce Creek	Stream	3F	Nutrients (Total Phosphorus)		AGM ≤ 0.12 mg/L	NA	5	5	Impaired	Medium	AGM 2005 (0.13 mg/L) 2010 (0.13 mg/L)	AGM 2010 (0.13 mg/L) 2016 (0.14 mg/L) 2017 (0.13 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the criterion more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0350	2674	Spruce Creek	Stream	3F	Escherichia coli		≤ 410 Counts / 100 mL	NA	5	5	Impaired	Low	6/10	24/35	This waterbody is impaired for this parameter based on the number of exceedances for the sample size, and anthropogenic sources have been confirmed using genetic marker and chemical tracer data. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0351	2681	Glencoe Ditches	Stream	3F	Dissolved Oxygen (Percent Saturation)	Nutrients	≥ 38 %	4d	5	5	Impaired	Medium	11/44	7/26	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and nutrients have been identified as the causative pollutant. Dissolved oxygen grab samples used in this analysis were assessed against a time of day adjustment as described in 62-303.420(9), F.A.C. This parameter is being added to the Verified List and will remain on the 303(d) List.
18-0352	2681	Glencoe Ditches	Stream	3F	Nutrients (Macrophytes)		LVS C of C ≥ 2.5 and LVS FLEPPC ≤ 25%	NA	5	5	Impaired	Medium	No Data	06/10/2015: Avg CoFC - 1.1, FLEPPC - 47% 09/21/2015: Avg CoFC - 1.3, FLEPPC - 37%	This waterbody is impaired for this parameter based on failing linear vegetation surveys with a C of C < 2.5 and FLEPPC score > 25%. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.
18-0353	2681	Glencoe Ditches	Stream	3F	Nutrients (Total Phosphorus)		AGM ≤ 0.12 mg/L	NA	5	5	Impaired	Medium	AGM 2005 (0.18 mg/L) 2010 (0.19 mg/L)	AGM 2010 (0.19 mg/L) 2015 (0.15 mg/L) 2016 (0.15 mg/L) 2017 (0.11 mg/L)	This waterbody is impaired for this parameter because the annual geometric means exceeded the nutrient threshold more than once in a three year period. This parameter is being added to the Verified List and the department is requesting EPA add to the 303(d) List.

¹ Florida's waterbody classifications are defined as:
1 - Potable water supplies
2 - Shellfish propagation or harvesting
3F - Recreation, propagation, and maintenance of a healthy, well-balanced population of fish and wildlife in fresh water
3M - Recreation, propagation, and maintenance of a healthy, well-balanced population of fish and wildlife in marine water
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² The Cycle 1 assessment was completed in 2009 and included data from that assessment period (January 1, 1994 through June 30, 2006).
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³ The Cycle 3 assessment is the current assessment and includes data from the Planning Period (January 1, 2005 through December 31, 2014) and the Verified Period (January 1, 2010 through June 30, 2017).

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1 - Attains all designated uses.
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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.

Upper East Coast Group 5 Basin - Northeast District - Cycle 3 FINAL Verified List

OGC Case Number	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	¹ Previous Cycle Summary Assessment Category ²	[†] Cycle 3 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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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.

⁶ 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; Big Mean is the average value of all temporally independent biological health assessment scores over the assessment period; Mean 1 is the first temporally independent average of all biological health assessments within the most recent consecutive three month period; Mean 2 is the second temporally independent average of all biological health assessments within the most recent consecutive three month period prior to the most recent biological health assessment.

[^] Beach advisories are based on FL Dept of Health Enterococcus criterion of >70 CFU/100mL. Beach advisory data are provided by the Florida Department of Health 2016 Beach Advisories.

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

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

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