

EXHIBIT 4

2018 VERIFIED LIST OF IMPAIRED WATERS,
GROUP 2 APALACHICOLA-CHIPOLA BASIN

Apalachicola - Chipola Group 2 Basin - Northwest District - Cycle 3 FINAL Verified List

OGC Case Number	Planning Unit	WBID	Waterbody Name	Waterbody Type	Waterbody Class ¹	1998 303(d) Parameter of Concern	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
18-0805	Apalachicola River	376A	Mosquito Creek	Stream	3F		Lead		Pb ≤ e(1.273[lnH]-4.705) µg/L	3c	5	5	Impaired	Medium	5/14	5/17	This waterbody is impaired for this parameter based on the number of exceedances for the sample size and is being added to the 303(d) List.
18-0806	Chipola River	51E	Chipola River	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	04/28/2009: 58.82% 10/07/2009: 27.27% 04/05/2010: 23.81% 10/06/2010: 30.16% 04/06/2011: 44.44%	04/28/2009: 58.82% 10/07/2009: 27.27% 04/05/2010: 23.81% 10/06/2010: 30.16% 04/06/2011: 44.44%	This waterbody is impaired for this parameter based on failing rapid periphyton survey results. There are at least two temporally independent samples greater than 25% and this parameter is being added 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 2003 and included data from that Verified Period (January 1, 1996 through June 30, 2003).
The Cycle 2 assessment was completed in 2008 and includes data from the Verified Period (January 1, 2001 through June 30, 2008).

³ The Cycle 3 assessment is the current assessment and includes data from the Planning Period (January 1, 2002 through December 31, 2011) and the Verified Period (January 1, 2007 through June 30, 2014).

[†] 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; except for "Fecal Coliform (3)", where x represents the number of stations where the median value was exceeded, and y represents the total number of stations that have sufficient data to calculate the median value in the WBID.

[^] Beach advisories are based on FL Dept of Health Enterococcus criterion of >103 CFU/100mL. Beach advisory data are provided by the Florida Department of Health 2013 Beach Advisories.
Fish advisory data are provided by the Florida Department of Health 2014 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. Q1 - Quarter 1; Q2 - Quarter 2; Q3 - Quarter 3; Q4 - Quarter 4.
The Group 2 Apalachicola - Chipola Final Verified List is based on IWR Run50 and the Impaired Waters Rule (IWR), Chapter 62-303, Florida Administrative Code, with the effective date of August 1, 2013.