

3.2 Ambient Information

Outfall ID	30Q3 (cfs)	7Q10 (cfs)	1Q10 (cfs)	Annual Average Flow (cfs)	Hardness (mg CaCO ₃ /L)	Upstream Total Suspended Solids (mg/L)
001	0.27	0.04	0.036	9.4	17 ⁽¹⁾	10 ⁽²⁾

⁽¹⁾ Hardness value based on EPD's *Hardness in Georgia Waterbodies*, 2021, for Ecoregion 65h – Tifton Upland (10th percentile).

⁽²⁾ Not available. A conservative value of 10 mg/L will be used for the reasonable potential analysis calculations.

3.3 Georgia 305(b)/303(d) List Documents

New River	Tributary 150 feet upstream W Old Brookfield Road to Gum Creek downstream Tifton	Suwannee	Not Supporting	E Coli	6	4a	TMDLs completed Bacteria 2000 (revised 2006) (Bacteria Indicator Supplement 2022), DO 2001.
GAR031102030204	Tift	Fishing	1,10,55	UR, M	Miles		

New River is listed on the 2024 305(b)/303(d) list as not supporting its designated use (fishing) but TMDLs have been completed for the impacted parameters (*E. coli*, DO).

3.4 Total Maximum Daily Loads (TMDLs)

Fecal Coliform:

A TMDL evaluation for fifteen stream segments in the Suwannee River Basin for Fecal Coliform Bacteria was completed in 2006. The TMDL recommends that all municipal and wastewater treatment facilities with the potential for the occurrence of fecal coliform in their discharge will be given end-of-pipe limits equivalent to the water quality standard of 200 counts/100mL. The limit in the draft permit meets the TMDL requirements.

A TMDL evaluation for two segments of the New River in the Suwannee River Basin for Fecal Coliform Bacteria was completed in 2000. The TMDL recommends that all municipal and wastewater treatment facilities with the potential for the occurrence of fecal coliform in their discharge will be given end-of-pipe limits equivalent to the water quality standard of 200 counts/100mL. In accordance with EPD's *Bacteria Equivalency Strategy for Using the Optimal Indicator Organisms for WQS and NPDES Permitting, September 2022* (Bacteria Strategy) the TMDL was amended to replace fecal coliform bacteria with *E. coli* OR Enterococci. The *E. coli* OR Enterococci limits of 126 or 35 counts/100 mL in the draft permit are in accordance with the amended TMDL requirements.

Dissolved Oxygen:

A TMDL evaluation for forty-nine stream segments in the Suwannee River Basin for Dissolved Oxygen was completed in 2001. Since the primary contributors to dissolved oxygen impairment are non-point sources, the TMDL does not recommend any wasteload allocation (WLA) reduction for New River WPCP.