

APPENDIX G
GEORGIA STATE WATER QUALITY STANDARDS AND
303(D) LISTED WATERS

APPENDIX G

GEORGIA STATE WATER QUALITY STANDARDS AND 303(D) LISTED WATERS

**Table G-1
State Water Quality Standards for the Lake Lanier Watershed**

Parameter	Units	Georgia Water Quality Standard
Water temperature	°F	90°F
Dissolved oxygen	mg/L	Daily Average of 5 mg/L and no less than 4 mg/L at all times at 1 M depth
pH	SU	> 6 and <9.5
Total nitrogen	mg/L	Not to exceed 4.0 in photic zone
Fecal coliform bacteria	#/100 mL	See note 1 below
Chlorophyll <i>a</i>	mg/m ²	See note 2 below
Total arsenic	µg/L	150 (chronic)
Cadmium	µg/L	1.3 (chronic)
Dissolved Chromium III	µg/L	42 (chronic)
Dissolved copper ²	µg/L	5.0 (chronic)
Dissolved lead ²	µg/L	1.2 (chronic)
Dissolved zinc ²	µg/L	65(chronic)
Dissolved mercury	µg/L	0.012 (chronic)

²Calculated at a hardness of 50 mg/L (CaCO₃).

Notes:

1. The Georgia fecal coliform standard for noncoastal recreational waters is “Fecal coliform not to exceed a geometric mean of 200 per 100 mL based on at least four samples collected from a given sampling site over a 30-day period at intervals not less than 24 hours. Should water quality and sanitary studies show natural fecal coliform levels exceed 200/100 mL (geometric mean) occasionally in high quality recreational waters, then the allowable mean fecal coliform level shall not exceed 300 per 100 mL in lakes and reservoirs and 500 per 100 mL in free flowing fresh water streams.”

2. The Georgia chlorophyll *a* standard for Lake Lanier is “For the months of April through October, the average of the monthly mid-channel photic zone composite samples shall not exceed the chlorophyll *a* concentrations at the locations listed below:

Upstream from Buford Dam	5 ug/L
Upstream from Flowery Branch confluence	5 ug/L
At Brown’s Bridge (State Road 369)	5 ug/L
At Bolling Bridge (State Road 53) on Chestatee River	10 ug/L
At Lanier Bridge (State Road 53) on Chattahoochee River	10 ug/L”

Source: GA Chapter 391-3-6, Dec 2002

**Table G-2
Georgia 303(d) List**

State ID	Waterbody	Location	Water Use Class	Violation ¹	Evaluation	COUNTIES
Chattahoochee Headwaters						
R031300010303	Mossy Creek	Totherow Rd. near Clermont to Chattahoochee River	Fishing	FC	Not Supporting	White/Hall
R031300010202	Soquee River	Goshen Creek to SR 17, Clarkesville	Fishing	FC	Not Supporting	Habersham
R031300010305	South Fork Mud Creek	Cornelia	Fishing	Tox	Not Supporting	Habersham
R031300010105	Chattahoochee River	SR255 to Soquee River	Recreation	FC	Not Supporting	White/Habersham
R031300010307	Chattahoochee River	Soquee River to Lake Lanier	Recreation	FCG	Partially Supporting	Habersham/White
R031300010107	Chattahoochee River	Ga. Hwy. 17, Helen to SR255	Recreation	FC	Partially Supporting	White/Habersham
Chestatee River						
R031300010502	Tesnatee Creek	Cleveland	Fishing	FC	Partially Supporting	White
R031300010503	Tesnatee Creek	Town Creek to Chestatee River	Fishing	FC	Not Supporting	White/Lumpkin
R031300010702	Toto Creek	Dawson County	Fishing	FC	Partially Supporting	Dawson
Little River						
R031300010402	Tributary to West Fork Little River	Hall County	Fishing	FC	Partially Supporting	Hall
R031300010403	Wahoo Creek	SR 52 to Lake Lanier	Fishing	FC	Not Supporting	Lumpkin/Hall
R031300010404	West Fork Little River	Headwaters to above Lake Lanier	Fishing	FC	Not Supporting	White/Hall
R031300010405	East Fork Little River	Downstream Hwy 52 to Lake Lanier	Fishing	FC	Not Supporting	Hall

¹ FC – fecal coliform; Tox – toxics; FCG – fish consumption guidance