

Dissolved Oxygen (DO)

DO levels in Cat Creek at the Highway 122 bridge near the Lowndes County-Berrien County line are well below 4.0 mg/l. Water flow conditions at the bridge are almost stagnant. The channel at this point is wide and shallow with low flow velocities. As the stream flows southward, water velocity and depth transition into more defined streambank conditions. DO levels begin to increase and are at or near compliance levels +/- 2.7 miles downstream at the Cat Creek Bridge.

Low Level Mercury

Low level mercury levels are well below acute standards at all sampling points. Chronic standards were exceeded at the following locations for the indicated sampling events:

- Alapaha River at River Bend Road for June and December
- Withlacoochee River at the Knights Ferry boat ramp for June and December
- Withlacoochee River at Madison Highway (GA 31) bridge for September

Lowndes County has not identified any point sources within the drainage areas that can be attributed to the widespread exceedances. Based on the limited data collected to date, it is the opinion of Lowndes County that the cause of the exceedances is from natural conditions.

Lead

Sampling results for 2020 indicate all samples to be below the detectable limit at all points sampled for lead.

BMP ASSESSMENT

Based on the data assessment above, Lowndes County does not propose implementation of any additional BMPs at this time.

