

**LOWNDES COUNTY, GEORGIA
IMPAIRED WATERS
MONITORING AND IMPLEMENTATION PLAN**

CAT CREEK (R031102030305) - DO

Introduction

As part of General NPDES Stormwater Permit No GAG610000, Lowndes County is required to identify any impaired waters located within its permitted area, using the latest approved 305(b)/303(d) List of Waters which contain MS4 outfalls or are within one (1) linear mile downstream of MS4 outfalls. For those impaired waters, the permittee is required to propose a Monitoring and Implementation Plan for addressing each cause/pollutant(s) of concern (POC).

As of March 2020, the most recent approved 305(b)/303(d) (2018) included a stream segment of the Cat Creek as not supporting its designated use within the County's jurisdiction. See *Table 1: Impaired Stream Segments*.

Table 1: Impaired Stream Segments

Reach Name and ID #	Reach Location	Use	Cause	Source	Extent
Cat Creek (R031102030305)	Beaverdam Creek downstream SR 37 to Beatty Mill Creek	Fishing	DO ¹	NP	4 miles

- 1- Dissolved oxygen
- 2- Nonpoint (NP)-Nonpoint source pollution is caused by rainfall or snowmelt moving over and through the ground transporting natural and human-made pollutants which are eventually deposited into lakes, rivers, wetlands, coastal waters, and groundwaters.

Objective

Along with meeting the General NPDES Stormwater Permit requirement for proposing this Monitoring and Implementation Plan, it is Lowndes County's objective to ensure that proper water quality monitoring techniques are executed so that measures are identified that will reduce or eliminate the POC or improve conditions that may be adversely affecting water quality characteristics and as such has caused the segment of this stream reach within Lowndes County to be listed as impaired.

Maps

A map showing the Impaired Waters Reaches and monitoring site locations is included herein.

Monitoring Sites

Lowndes County has identified two (2) permanent monitoring sites for the collection of water quality data. The monitoring sites vary in depth, width, and monitoring complexity. Monitoring procedures will depend upon the ability of the monitoring personnel to enter the stream safely. See *Table 2: Monitoring Site Locations*.

Table 2: Monitoring Site Locations

Monitoring Station	Stream	Location	In-stream	Monitoring Type
#1	Cat Creek	GA Hwy 122 E	Upstream	DO
#2	Cat Creek	Beatty Mill Creek Rd	Downstream	DO