

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

MUD CREEK (R031102021102) - FC

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 Mud 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 |
|------------------------------|--|---------|----------------|-----------------|---------|
| Mud Creek (R031102021102) | Downstream Valdosta Mud Creek WWTP to Alapahoochee River | Fishing | F ¹ | UR ² | 9 miles |

- 1- Fecal Coliform
- 2- Urban Runoff (UR) - Urban runoff is either wet weather (rainwater) or dry weather (water waste) flows from urbanized areas into storm drain systems that transport pollutants to 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 sampling site locations is included herein.

Sample Sites

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

Table 2: Sample Site Locations

| Sampling Station | Stream | Location | In-stream | Sample Type |
|------------------|-----------|-----------------------------|------------|-------------|
| #1 | Mud Creek | Johnson Rd SE | Upstream | FC |
| #2 | Mud Creek | Hickory Grove Rd @ Glenn Rd | Downstream | FC |