

# **TMDL IMPLEMENTATION PLAN FOR TAYLORS CREEK**

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## **INTRODUCTION**

Taylors Creek is located in the Ogeechee River Basin in Liberty County near the City of Hinesville.

Taylors Creek was placed on the 303(d) list for low dissolved oxygen concentrations with the pollutant of concern being oxygen demanding materials primarily from the Hinesville/Fort Stewart Water Pollution Control Plant (WPCP), NPDES Permit # GA0047180.

## **PLAN FOR TMDL IMPLEMENTATION**

The TMDL recommends adjusting the Hinesville/Fort Stewart WPCP permit limits to 6.0 mg/l, 3.0 mg/l and 6.0 mg/l for BOD, ammonia and dissolved oxygen respectively. The facility already has a permitted ammonia level of 2.0 mg/l. Instead of raising the ammonia limit, as would be required by the TMDL recommended limits, an equivalent loading of 9 mg/l, 2.0 mg/l and 6.0 mg/l for BOD, ammonia and dissolved oxygen is consequently being recommended. This equivalent loading has the same ultimate oxygen demand as the TMDL recommended limits.

## **MONITORING PLAN**

The NPDES permit currently requires the monitoring of effluent BOD and ammonia five times per week and dissolved oxygen seven times per week. These monitoring frequencies will continued to be required after the recommended limits are placed in the permit.