

March SWW Report

Stream Sampling and Litter Pickup for Hillsborough River
Site #103 at Lowry Park
Submitted by: Cornel McTaggart
March 31, 2013



Stream Sampling Site

Sampling Plan

Sampling Objectives:

- Monitoring the health of a ¼ mile section of a tributary to the Hillsborough River.

Legal Requirements:

- Access to the sampling site is approved by Hillsborough Community College and Hillsborough County Stream –Waterwatch Program.

Known Contaminants:

- None Known
- Grab samples- three bottles of sample collected each month for testing by Hillsborough County Extension Services Laboratory.

The results of the testing done at Hillsborough River – Lowry Park, site# 103, at 4:00 pm on 3/31/2013, are as follows:

Air Temperature = 26 degrees C

Water Temperature = 20 degrees C

pH = 7.0

D.O. = 9.6 ppm

Turbidity = 50.2 NTU

The air and water temperatures fall within historical range for the Lowry Park area. Ph is within optimal range for most aquatic organisms (pH 6.5 to Ph 8.2). The level of dissolved oxygen (9.6 ppm) does support the growth of fish, invertebrates and aquatic plants. The streams turbidity levels were good and consistent with air and DO levels.

TRASH PICKUP

Stream Name: Hillsborough River at Lowry Park

Date: 31 March 2013

Litter content: Aluminum cans, Plastic bags, plastic Easter eggs and cigarette butts. Excessive amounts of debris in stream and river due to surface runoff from last storm.

Group:

Leader: Pamela Vergara, PhD, P.E., Esq. Phone: 813-757-2197

Participant: Cornel McTaggart, Hcc Environmental Science Student

Date of last rainfall: 3/22/13 Water flow: high X normal low

- Weather conditions: partly cloudy and warm