

**NC Division of Water Quality
Planning Section – Modeling & TMDL Unit
Technical Memorandum Addendum**

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TO: Dianne Reid Intensive Survey Unit
Kurt Trumbower Intensive Survey Unit
Debra Owen Intensive Survey Unit
Jay Sauber Ecosystems Unit
Mark Vanderborgh Ecosystems Unit
Andrea Thomas Ecosystems Unit
Kent Wiggins Chemistry Laboratory
Narayan Rajbhandari Modeling & TMDL Unit

CC: Michelle Woolfolk Modeling & TMDL Unit
Alan Clark Planning Section
Ken Schuster Raleigh Regional Office
Darlene Kucken Basinwide Planning
Deborah Amaral EEP Planner

FROM: George Hunt, Modeling & TMDL Unit

RE:

Addendum to the Monitoring Plan for Falls of the Neuse Reservoir (Neuse River Basin)

Total Organic Carbon

Total organic carbon (TOC) should be added to the list of chemical parameters sampled in the lake. Like the other chemical parameters sampled in the lake, TOC should be sampled twice each month, as close to every other week as possible, during this period, for a total of approximately 48 sampling events at every lake monitoring station. The TOC should be taken from the photic zone, i.e. twice the secchi depth.

Table 1. Summary of lake samples for TOC				
Media	Type of analyses	No. of sites	No. of sampling events over period	No. of samples to be processed
Surface water	TOC	10	48	480

Buoys

While planning to set new buoys out to place the thermistors at the locations originally selected, a NC Wildlife Resources Commission (WRC) representative suggested that any new buoys placed in the lake had a high likelihood of being tampered with. The WRC representative suggested placing the thermistors on the preexisting WRC buoys. Table 1 names the WRC buoys the thermistors should be placed under, the Ambient Lake Stations closest to the buoys, and the new number of thermistors at each buoy and depths the thermistors should be placed.

Table 2. Summary of Thermistor Sampling			
Ambient Lake Station	Existing Buoy	Number of Thermistors at Station	Depths to Place Thermistors (meters)
NEU018E	CA04041	4	1,3,5,7
NEU019E	CA04013	2	1,3
NEU019P	CA04034/CA4035	6	1,3,5,7,9,11