

ALGAL BLOOM EVALUATION FORM

Waterbody:	Collector:	Basin:	County:
Station #:	Latitude:	Longitude:	
Date/Time:			
Sample Method (check one) Photic zone <input type="checkbox"/> Grab <input type="checkbox"/> Scoop <input type="checkbox"/>			
Weather conditions:			
<u>VISUAL SIGNS</u> (check those that apply)			
Discolored water <input type="checkbox"/> Flecks <input type="checkbox"/> Balls <input type="checkbox"/> Filaments <input type="checkbox"/> Surface Film <input type="checkbox"/> Other <input type="checkbox"/>			
Describe (color/extent): <input style="width: 100px;" type="text"/>			

CHEMICAL AND PHYSICAL DATA

Bottom Depth (m):	Secchi depth (m):
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Depth (m)	Cond (Us)	Temp (C)	DO(mg/L)	DO (% sat)	pH	Salinity(ppt)
Surf (0.15m)						
1.0 m						
2.0 m						
3.0 m						
4.0 m						

Other samples collected (check those that apply) NUTRIENTS CHL *a*

Other:

Please mark "ALGAL BLOOM" on the Laboratory Section's field sheet under the REMARKS section

Send this form, with a map, to the Laboratory Section (Courier 52-01-00) marked: ATTN: ECOSYSTEMS UNIT

INSTRUCTIONS

This form should be completed when a waterbody has:

- Discoloration
- Elevated pH (> 8)
- Elevated DO (>9.0 mg/L or >110% saturation).

SAMPLE QUANTITY: _____

- One 500 ml polyethylene bottle preserved(see below)
- One 500 ml polyethylene bottle unpreserved

SAMPLE PRESERVATION:

One 500 ml sample must be preserved with 2 to 3 ml of Lugol's solution, however, the exact amount of Lugol's needed will vary depending on algal and particulate matter. Visually, a well preserved sample will have a dark straw color. Lugol's must be kept in a opaque bottle and can be obtained by contacting the Ecosystems Unit at (919) 743-8400

* **Caution: Lugol's will stain anything and everything.**

NUTRIENTS & CHOROPHYLL-A:

Samples should also be collected following Standard Operating Procedures Manual Physical Chemical Monitoring.

TO REPORT OR INVESTIGATE FISH KILLS:

Fill out a **Fish Kill Report Form**. This form can be obtained by contacting the Biological Assessment Unit at (919)-743-8422 or www.esb.enr.state.nc.us/fishkill/procedurespage.htm

FOR AQUATIC PLANTS, FILAMENTOUS MACROALGAE, & PERIPHYTON:

Fill out an **Aquatic Plant and Nuisance Algae Report Form**. This form can be obtained by contacting the Ecosystems Unit at (919) 743-8400 or www.esb.enr.state.nc.us

More information on algal and aquatic plant sampling procedures can be found in the Standard Operating Procedures for Algal and Aquatic Plant Sampling and Analysis (2002). Please contact the Ecosystems Unit for an updated copy.