

# AQUATIC PLANT OR NUISANCE ALGAE EVALUATION FORM

Waterbody:	Collector:	Basin:	County:
Station #:	Latitude:	Longitude:	
Date/Time:	Abundance:    % coverage		

Sample (check those that apply): Aquatic Plant  Filamentous Algae  Periphyton  Unknown

Water Clarity (check those that apply) Clear  Turbid  Tannic  Green  Other:

Substrate (check those that apply) Silt/Muck  Sand  Gravel  Rock  Peat/Detritus

Weather Conditions:

### CHEMICAL AND PHYSICAL DATA

Secchi depth (m):

Bottom depth (m)

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:

Send this form, along with the sample, a map showing the area/size of the growth, to the Laboratory Section (Courier 52-01-00) marked ATTN: ECOSYSTEMS UNIT.

### INSTRUCTIONS

#### TO SAMPLE

Collect sample from multiple areas for best results. Periphyton can either be scraped off and rinsed into a container or left "as is" and sent in attached to the rock or wood

#### SAMPLE QUANTITY

Sample type	Quantity preserved	Quantity unpreserved
Aquatic Plant	N/A	3-5 stems with leaves flowers and fruits
Filamentous Algae	N/A	2-3 "golf ball" sized clumps
Periphyton	50 ml of scraping	2 small (4 inch) rocks or pieces of wood

#### SAMPLE CONTAINERS & SHIPPING

Aquatic plants and filamentous algae should be wrapped in a wet paper towel, placed in a sealable plastic bag. Filamentous algae can also be put into a 500ml polyethylene container (50% water 40% algae 10% air). Periphyton scrapings should be put into a 500ml polyethylene container with 4 ml of Lugol's preservative. Periphyton left "as is" should NOT BE PRESERVED, just placed in a plastic bag with enough water to cover it. All samples should be kept on ice or in a refrigerator for storage and shipping unless otherwise instructed.

#### TO REPORT OR INVESTIGATE A SUSPECTED ALGAL BLOOM:

Fill out an **Algal Bloom Report Form**.

This form can be obtained by contacting the Ecosystems Unit at (919) 743-8400 or [www.esb.enr.state.nc.us](http://www.esb.enr.state.nc.us)