

Appendix A

Bluegreen Algae Sampling Protocol

King County will work in cooperation with the Washington State Department of Ecology to analyze water samples collected from lakes experiencing dense bluegreen algae blooms. If you notice dense algal growth in your lake, and especially if the lake has a layer of algae surface scum, follow these steps to collect a sample for toxicity analysis:

1. Call a staff member in the King County Lake Stewardship Program to discuss current conditions and to arrange sample pick-up for delivery to the lab.

Sally Abella: 206.296.8382

Beth Cullen: 206.263.6242

Michael Murphy: 206.296.8008

Select your sampling location. Look for areas where surface scum has accumulated such as leeward shorelines and sheltered coves.

2. While wearing rubber gloves, remove the lid and dip the bottle into the water, collecting as much of the scum as possible. Fill the bottle to about one inch from the top – not completely full. Dry the bottle so the label will stick to it.
3. Complete the datasheet (see next page) and fill out the provided label and place it on the bottle.
4. Put the sample on ice in a cooler and leave the cooler and the datasheet out for pick-up. We will leave another set of sample bottles when we pick up samples.
5. If you are using an Ecology-provided kit, place the sample in the Styrofoam cooler with the ice-pack and mail it to the King County Environmental Lab using the provided label. If you are mailing or delivering the sample to the lab, it must arrive at the lab Monday through Thursday, 8am to 5pm. Please make every effort to get samples to the lab as soon as possible after collecting the sample.

For more information about algae and algae blooms, see:

<http://dnr.metrokc.gov/wlr/waterres/smlakes/algae.htm>



If you are unable to reach a staff member of the King County Lake Stewardship Program, contact one of these people at the Washington Department of Ecology:

Tricia Shoblom

425-649-7288

tsho461@ecy.wa.gov

Kathy Hamel

360-407-6562

kham461@ecy.wa.gov

Algae bloom at Lake McDonald. *M. Murphy*

Algae Sampling Data Supplemental Information

Date: _____

Lake Name: _____

Tracking number: _____

Sample Location: _____

Name of Sampler: _____

Affiliation: _____

Contact Information

Phone number: _____

Email address: _____

Time of Day: _____

Weather: _____

Nature of Algae Bloom

- Surface scum
- Mixed through the water column
- Band in water column
- On substrate
- Unknown

Duration of Algae Bloom: _____

Received By:	Relinquished By:
Signature:	Signature:
Printed Name:	Printed Name:

Please submit to Tricia Shoblom. Ecology's Northwest Regional Office

Email address: tsho461@ecy.wa.gov

Fax number: 425-649-7098

Phone number: 425-649-7288