

# WATER SAMPLING FORM

## Vermont Lay Monitoring Program - VT DEC

(802) 828-1535

[dec.vermont.gov/watershed/lakes-ponds/monitor/lay-monitoring](http://dec.vermont.gov/watershed/lakes-ponds/monitor/lay-monitoring)

1. Lake \_\_\_\_\_ Town \_\_\_\_\_

Monitor(s) \_\_\_\_\_

Total Rainfall (inches) Since Last Sampling Date (applicable for those with local rain gauges) \_\_\_\_\_

OR Preceding Rainfall Conditions: Dry or Rainy (Light or Heavy) Surface Water Temp (0.5m) \_\_\_\_ °C/F

Day of the Week:      M   T   W   Th   F   S   Su

Sky Conditions (Circle One):    Clear    Hazy    Partly Cloudy    Overcast

Wave Conditions (Circle One):    Calm    Rippled    Choppy    Rough

**REMINDER:** Make sure your equipment is thoroughly rinsed and that there is no sediment or debris in the sample. If you find sediment or debris, re-rinse and collect a new sample. Thank You!

2. **Sample Code**

Lake Code	Date	Time	<b>Sample Depth</b> (Surface = 00.5m)	Secchi Disk Transparency
_____	_____	_____	_____	_____
	Month Day Year	2400 hours	meters	meters



Circle "B" if Secchi hits bottom

**Station 2 Code**

Lake Code	Date	Time	Secchi Disk Transparency
_____	_____	_____	_____
	Month Day Year	2400 hours	meters



B  
Circle "B" if Secchi hits bottom

NOTES:

**VIEW TUBE used:**    Yes    No

3. Check to indicate if both chlorophyll and phosphorus samples were taken:

Phosphorus (from bottle "B")      \_\_\_\_\_

Chlorophyll (from bottle "A")      \_\_\_\_\_

Duplicate Chlorophyll (from bottle "B")      \_\_\_\_\_

4. Have you seen any of these aquatic invasive species in the lake?



**Eurasian Watermilfoil**  
3 to 6 leaves per whorl, ½ - 1 ½ inches between each



**Water Chestnut**  
Fan shaped leaves ½ - 1 inch in size



**European Frog-bit**  
Leaves 1 – 2 inches in size



**Zebra Mussel**  
Actual size

5. Total Sampling Time (include boat and lab time): \_\_\_\_\_ hours and \_\_\_\_\_ minutes

6. Weekly Gas Estimate (how much fuel costs to collect the samples – include driving and boating) \_\_\_\_\_

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7. **Signature:** \_\_\_\_\_

### **Lake Eutrophication Public Perception Survey**

Please fill this form out **every time** you take a water sample!

#### **Instructions:**

1. Choose the one condition (section A) and the one opinion (section B) that best describes the lake on each day you sample. Use your best scientific judgment.
2. We are trying to assess public opinion and observations; there is no “correct” answer for your lake. Don’t worry if your answers differ from one week to the next or if they are the same each time.
3. Choices 1-5 in section A are not meant to correspond to choices 1-5 in section B. Don’t worry if you do not choose the same number in both sections.
4. Base your answers only on the apparent condition of the lake water at the sampling stations. Do not consider such things as nuisance aquatic plant growth or materials washed up on shore in your answer. The Lay Monitoring Program does not measure these, so they cannot be used in the analysis of this survey. Please feel free to comment either at the bottom of the survey sheet or on your data sheet.

Name: \_\_\_\_\_ Lake: \_\_\_\_\_ Date: \_\_\_\_\_

#### **Select ONE Choice Each for Question A and B\***

*\*If you select more than one choice for A and/or B, we cannot use the survey data that week.*

**A. Please circle the number that best describes the physical condition of the lake water today.**

1. Crystal clear water.
2. Not quite crystal clear, a little algae visible.
3. Definite algal greenness, yellowness, or brownness apparent.
4. High algal levels with limited clarity and/or mild odor apparent.
5. Severely high algal levels with one or more of the following:
  - massive floating scums on the lake or washed up on shore
  - strong foul odor
  - fish kill

**B. Please circle the number that best describes your opinion on how suitable the lake water is for recreation and aesthetic enjoyment today.**

1. Beautiful, could not be any nicer.
2. Very minor aesthetic problems; excellent for swimming, boating, enjoyment.
3. Swimming and aesthetic enjoyment slightly impaired because of algal levels.
4. Desire to swim and level of enjoyment of the lake substantially reduced because of algal levels.
5. Swimming and aesthetic enjoyment of the lake nearly impossible because of algal levels.

**C. Comments:**