



VERMONT LAY MONITORING PROGRAM
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BASIC (SECCHI-ONLY) LAY MONITORING LOG

SUMMER _____

Lake _____ Town _____

Monitor

Forms, data, and reports can be accessed online at: <http://dec.vermont.gov/watershed/lakes-ponds/monitor/lay-monitoring>

When ***complete*** please email to: angela.shambaugh@vermont.gov

Watershed Management Division:
Phone number: (802) 828-1115
Website: <http://dec.vermont.gov/watershed>

Or mail to:

ATTN: Angela Shambaugh
Watershed Management Division
1 National Life Drive, Davis 3
Montpelier, VT 05620-3522

Monitoring Instructions:

Lake: _____

Viewing Tube: Yes No

Measure Secchi disk transparency every 5-10 days between Memorial Day and Labor Day for a minimum of 8 readings (for summer mean). Estimate depth at which disk is no longer visible to the nearest tenth of a meter on the shady side of the boat. Do not wear sunglasses. Note if viewing tube used. Be sure to fill out the form completely. Include previous rainfall conditions (or inches for those with gauges) and surface water temperature (@ 0.5 m) in comments.

Perception Survey Instructions: **1.** Choose answer that best describes the lake on each day you sample. Use your best scientific judgement. **2.** We are trying to assess public opinion and observations; there is no "correct" answer for your lake. **3.** Base your answers only on the apparent condition of the lake water at your sampling station.

Physical Condition: 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

Opinion of Suitability for recreation and aesthetic enjoyment: 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

1, Date	Time	Secchi Disk Transparency (meters)	(Circle one)	Total Sample time
_____. _____. _____. Month Day Year	_____. _____. 2400 hours	_____. _____. B _____. _____. B Station 1 Station 2 Circle "B" if Secchi disk hits bottom	Sky Conditions: Clear Hazy Partly Cloudy Overcast Wave Conditions: Calm Rippled Choppy Rough	_____. : _____. hours min

Comments:

Perception Survey
Physical Condition: 1 2 3 4 5 Opinion of suitability: 1 2 3 4 5

2. Date	Time	Secchi Disk Transparency (meters)	(Circle one)	Total Sample time
_____. _____. _____. Month Day Year	_____. _____. 2400 hours	_____. _____. B _____. _____. B Station 1 Station 2 Circle "B" if Secchi disk hits bottom	Sky Conditions: Clear Hazy Partly Cloudy Overcast Wave Conditions: Calm Rippled Choppy Rough	_____. : _____. hours min

Comments:

Perception Survey
Physical Condition: 1 2 3 4 5 Opinion of suitability: 1 2 3 4 5

3. Date	Time	Secchi Disk Transparency (meters)	(Circle one)	Total Sample time
_____. _____. _____. Month Day Year	_____. _____. 2400 hours	_____. _____. B _____. _____. B Station 1 Station 2 Circle "B" if Secchi disk hits bottom	Sky Conditions: Clear Hazy Partly Cloudy Overcast Wave Conditions: Calm Rippled Choppy Rough	_____. : _____. hours min

Comments:

Perception Survey
Physical Condition: 1 2 3 4 5 Opinion of suitability: 1 2 3 4 5

Lake:

Viewing Tube: Yes No

4. Date _____ Time _____ Secchi Disk Transparency (meters) _____ (Circle one) Total Sample time _____
 _____ 2400 hours _____ Station 1 _____ Station 2 Sky Conditions: Clear Hazy Partly Cloudy Overcast _____ : _____
 Month Day Year hours min
 Circle "B" if Secchi disk hits bottom Wave Conditions: Calm Rippled Choppy Rough

Comments:

Perception Survey
 Physical Condition: 1 2 3 4 5 Opinion of suitability: 1 2 3 4 5

5. Date _____ Time _____ Secchi Disk Transparency (meters) _____ (Circle one) Total Sample time _____
 _____ 2400 hours _____ Station 1 _____ Station 2 Sky Conditions: Clear Hazy Partly Cloudy Overcast _____ : _____
 Month Day Year hours min
 Circle "B" if Secchi disk hits bottom Wave Conditions: Calm Rippled Choppy Rough

Comments:

Perception Survey
 Physical Condition: 1 2 3 4 5 Opinion of suitability: 1 2 3 4 5

6. Date _____ Time _____ Secchi Disk Transparency (meters) _____ (Circle one) Total Sample time _____
 _____ 2400 hours _____ Station 1 _____ Station 2 Sky Conditions: Clear Hazy Partly Cloudy Overcast _____ : _____
 Month Day Year hours min
 Circle "B" if Secchi disk hits bottom Wave Conditions: Calm Rippled Choppy Rough

Comments:

Perception Survey
 Physical Condition: 1 2 3 4 5 Opinion of suitability: 1 2 3 4 5

7. Date _____ Time _____ Secchi Disk Transparency (meters) _____ (Circle one) Total Sample time _____
 _____ 2400 hours _____ Station 1 _____ Station 2 Sky Conditions: Clear Hazy Partly Cloudy Overcast _____ : _____
 Month Day Year hours min
 Circle "B" if Secchi disk hits bottom Wave Conditions: Calm Rippled Choppy Rough

Comments:

Perception Survey
 Physical Condition: 1 2 3 4 5 Opinion of suitability: 1 2 3 4 5

Lake:

Viewing Tube: Yes No

8. Date Time Secchi Disk Transparency (meters) (Circle one) Total Sample time

_____._____.____. _____._____.____. _____.____. B _____.____. B Sky Conditions: Clear Hazy Partly Cloudy Overcast _____.____. : _____.____.
Month Day Year 2400 hours Station 1 Station 2 hours min

Comments:

Perception Survey
Physical Condition: 1 2 3 4 5 Opinion of suitability: 1 2 3 4 5

9. Date Time Secchi Disk Transparency (meters) (Circle one) Total Sample time

_____._____.____. _____._____.____. _____.____. B _____.____. B Sky Conditions: Clear Hazy Partly Cloudy Overcast _____.____. : _____.____.
Month Day Year 2400 hours Station 1 Station 2 hours min

Comments:

Perception Survey
Physical Condition: 1 2 3 4 5 Opinion of suitability: 1 2 3 4 5

10. Date Time Secchi Disk Transparency (meters) (Circle one) Total Sample time

_____._____.____. _____._____.____. _____.____. B _____.____. B Sky Conditions: Clear Hazy Partly Cloudy Overcast _____.____. : _____.____.
Month Day Year 2400 hours Station 1 Station 2 hours min

Comments:

Perception Survey
Physical Condition: 1 2 3 4 5 Opinion of suitability: 1 2 3 4 5

11. Date Time Secchi Disk Transparency (meters) (Circle one) Total Sample time

_____._____.____. _____._____.____. _____.____. B _____.____. B Sky Conditions: Clear Hazy Partly Cloudy Overcast _____.____. : _____.____.
Month Day Year 2400 hours Station 1 Station 2 hours min

Comments:

Perception Survey
Physical Condition: 1 2 3 4 5 Opinion of suitability: 1 2 3 4 5

Lake:

Viewing Tube: Yes No

12. Date **Time** **Secchi Disk Transparency (meters)** **(Circle one)** **Total Sample time**

_____._____._____. _____._____._____. _____._____. B _____._____. B **Sky Conditions:** Clear Hazy Partly Cloudy Overcast _____._____.
Month Day Year 2400 hours Station 1 Station 2 **Wave Conditions:** Calm Rippled Choppy Rough hours min
Circle "B" if Secchi disk hits bottom

Comments:

Perception Survey
Physical Condition: 1 2 3 4 5 Opinion of suitability: 1 2 3 4 5

13. Date **Time** **Secchi Disk Transparency (meters)** **(Circle one)** **Total Sample time**

_____._____._____. _____._____._____. _____._____. B _____._____. B **Sky Conditions:** Clear Hazy Partly Cloudy Overcast _____._____.
Month Day Year 2400 hours Station 1 Station 2 **Wave Conditions:** Calm Rippled Choppy Rough hours min
Circle "B" if Secchi disk hits bottom

Comments:

Perception Survey
Physical Condition: 1 2 3 4 5 Opinion of suitability: 1 2 3 4 5

14. Date **Time** **Secchi Disk Transparency (meters)** **(Circle one)** **Total Sample time**

_____._____._____. _____._____._____. _____._____. B _____._____. B **Sky Conditions:** Clear Hazy Partly Cloudy Overcast _____._____.
Month Day Year 2400 hours Station 1 Station 2 **Wave Conditions:** Calm Rippled Choppy Rough hours min
Circle "B" if Secchi disk hits bottom

Comments:

Perception Survey
Physical Condition: 1 2 3 4 5 Opinion of suitability: 1 2 3 4 5

15. Date **Time** **Secchi Disk Transparency (meters)** **(Circle one)** **Total Sample time**

_____._____._____. _____._____._____. _____._____. B _____._____. B **Sky Conditions:** Clear Hazy Partly Cloudy Overcast _____._____.
Month Day Year 2400 hours Station 1 Station 2 **Wave Conditions:** Calm Rippled Choppy Rough hours min
Circle "B" if Secchi disk hits bottom

Comments:

Perception Survey
Physical Condition: 1 2 3 4 5 Opinion of suitability: 1 2 3 4 5