8/12/19

LAKES LAY MONITORING PROGRAM
LAY MONITOR DATA SHEET (2019)

SID:_____
ID:_____

Water Quality sondes
MONITOR #1 NAME: Fred Quimby
MONITOR #2 NAME: Mike Gelinas
MONITOR #3 NAME:
LAKE NAME: Marsh Pond
SITE NAME: deep site
18 ducks, 2 eagles, 1 heron

AIR TEMP: ~~16.4~~ 15.0 °C
DATE: 8/12/19
SAMPLING TIME: Start 7:10 Finish 7:45
SITE DEPTH: 5.0M 5.0
SECCHI DISK TRANSPARENCY 2 M meters

Weather (circle the best descriptor)

Sky	Clear	Hazy	Cloudy	Overcast
Lake	Calm	Ripples	Waves	White Caps
Wind	Calm	Breezy	Gusty	Windy

Precipitation (Circle the best descriptor below)

None	Past 12 hrs	Past 24 hrs	Past 48 hrs	Past 72 hrs

stream gage 0.31

Temperature/Dissolved Oxygen Profile

Depth (m)	Temp (°C)	Diss Oxy. (mg/l)	Diss Oxy. (% sat)	SPCD (uS/cm)
0.1 (Surface)	20.2	10.36	114.6	0.3
0.5	20.4	10.29	114.0	58.3
1.0	20.4	10.33	114.6	58.3
1.5	20.3	9.25	102.2	58.6
2.0	20.1	8.89	97.9	59.1
2.5	19.8	7.78	85.5	59.4
3.0	19.2	8.31	90.0	59.4
3.5	18.1	3.00	31.6	52.1
4.0	15.8	0.42	4.2	54.5
4.5	13.7	0.23	2.3	77.4
5.0 bottom	12.4	0.09	0.9	96.7
5.5				
6.0				
6.5				
7.0				
7.5				
8.0				
8.5				
9.0				

Note: Check surface and bottom temperatures first. Check intermediate depths only if temperature change is found. Indicate the bottom depth.

Comments/Observations (see reverse):
lots of Planktothrix aggregates close to surface

LAKE EUTROPHICATION PUBLIC PERCEPTION SURVEY

IF YOU CIRCLE MORE THAN ONE CHOICE FOR A AND/OR B, WE CANNOT USE THE SURVEY DATA THAT WEEK.

A. Please circle the one 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 algae greenness, yellowness or brownest apparent.
4. High algae levels with limited clarity and/or mild odor apparent.
5. Severely high algae levels with one or more of the following:
_massive floating scums on lake washed up on shore
_strong foul odor
_fish kill.

B. Please circle the one 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 & aesthetic enjoyment slightly impaired because of algae levels.
4. Desire to swim & level of enjoyment of the lake substantially reduced because of algae levels.
5. Swimming and aesthetic enjoyment of the lake nearly impossible because of algae levels.

View Scope Comparison Study

We invite interested persons to take part in a study assessing the usefulness of the View Scope when collecting water clarity (Secchi Disk) data. In addition to the weekly water clarity readings that you collect (using the view scope), we are interested in obtaining monthly water clarity data using the four methods described below. Make sure you report weather or lake conditions on front page. **Please take 2 readings under each condition (Sunny/Shady Side, With/Without View Scope) and record each value.**

Take Secchi Disk reading from the shady side of the boat **without** the view scope	Secchi Disk Depth 1)_____meters 2)_____meters
Take the Secchi Disk reading from the sunny side of the boat **without** the view scope	Secchi Disk Depth 1)_____meters 2)_____meters
Take the Secchi Disk reading from the shady side of the boat **with** the view scope	Secchi Disk Depth 1)_____meters 2)_____meters
Take the Secchi Disk reading from the sunny side of the boat **with** the view scope	Secchi Disk Depth 1)_____meters 2)_____meters
Take the Black Disk reading from the sunny side of the boat **with** the view scope	Secchi Disk Depth 1)_____meters 2)_____meters