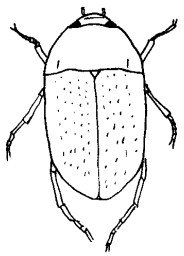
Ontario Benthos Biomonitoring Network Field Sheet-LAKES



Date: 8-Aug-16

Time 9:20AM

Agency: DMM

Investigators: Jared Stachiw

Lake Name: Mary Lake

Site #: 3

Location: centroid of 3 replicates; Lat/Long or UTM

Elevation (m asl):

Datum & Zone: NAD 83/17

Water Quality

Water Temperature (°C):

Conductivity (uS/cm): -

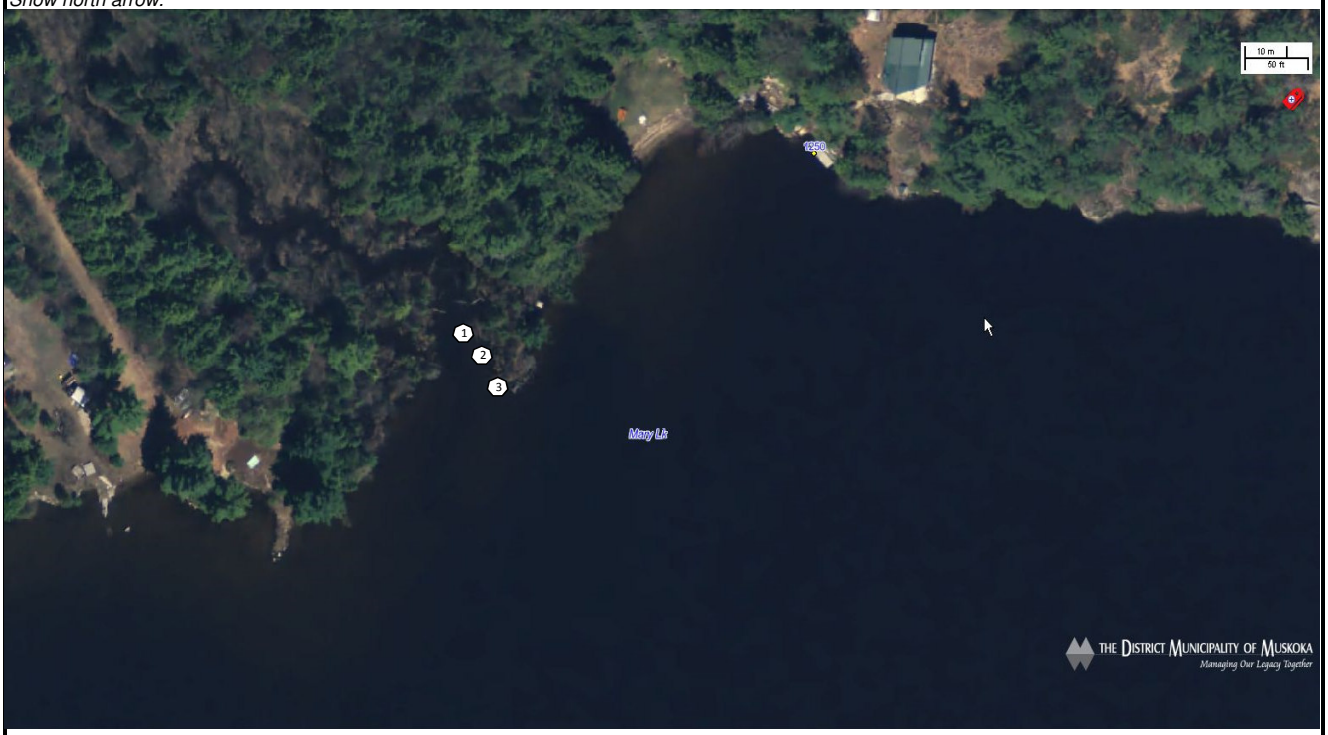
pH: -

DO (mg/l): -

Alkalinity (mg/l as $CaCO_3$): -

Site Description and Map

Draw a map of the site (with landmarks) and indicate areas sampled. Attach photograph (optional)
Show north arrow.



Rep 1 is furthest instream

Rep two is in a dip/"bay" in the river bank

Rep 3 is at the mouth of the stream

Benthos Collection Method (circle one):

- Traveling Kick & Sweep
- Other (specify):

Gear Type (circle one)

- D-net
- Other (*specify*):

Mesh Size: 500 micron (or specify)

Replicates	Sampling distance covered (m)	Time (min.)	Max. Depth (m)	Location (UTM or Lat./Long; note datum, zone)
Sample 1	8	3:12	0.6	45.231881, -79.283148
Sample 2	6	3:05	0.5	45.231926, -79.283170
Sample 3	5	1:10	0.6	45.231862, -79.283148

Substrate

Enter dominant substrate class and second dominant class for each sub-sample

	Sample 1	Sample 2	Sample 3
Dominant	1	1	1
2nd Dominant	3	3	3

Class	Description
1	Clay (hard pan)
2	Silt (gritty, < 0.06 mm particle diameter)
3	Sand (grainy, 0.06 - 2 mm)
4	Gravel (2 - 65 mm)
5	Cobble (65 - 250 mm)
6	Boulder (> 250 mm)
7	Bed Rock

Substrate Notes:

Like quicksand - ie very hard to sample in

Organic Matter-Areal Coverage

Use 1: Abundant, 2: Present, 3: Absent

	Sample 1	Sample 2	Sample 3
Woody Debris	2	3	2
Detritus	2	2	2

Riparian Vegetative Community

Use: 1 (None), 2 (cultivated), 3 (meadow), 4 (scrubland), 5 (forest, mainly coniferous), 6 (forest, mainly deciduous)

Zone (dist. From water's edge)	Sample 1	Sample 2	Sample 3	
1.5-10 m	5	4	4	
10-30 m	4	1	1	*Lake
30-100 m	1	1	1	

Aquatic Macrophytes and Algae (Use: 1 (Abundant), 2 (Present), 3 (Absent). Circle dominant type.

Macrophytes	Sample 1	Sample 2	Sample 3
Emergent	3	2	2
Rooted Floating	2	2	2
Submergent	2	2	2
Free Floating	3	3	3

Algae	Sample 1	Sample 2	Sample 3
Floating Algae	3	3	3
Filaments	3	3	3
Attached Algae	2	2	2
Slimes or Crusts	2	2	2

Lake Morphometry (optional, will be calculated by OBBN Coordinator using OFAT)

Perimeter (m): - Volume (m - Fetch (m): - Surface area (m^2): - Order: -

Notes (esp. related to land-use, habitat, obvious stressors)

Cottages nearby

Candidate reference Site - Minimally Impacted? (circle one) (Yes) No

General Comments

Water was very turbid

Property this site is on is for sale

Very difficult to sieve water out of the net for rep 2

Bucket	Before	After	
1	18	14.5	19.5%
2	18.5	16	14%
3	20	17	15%