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| Data Collectors <i>Scott Van Eggen, Erin Vennie-Vollbath</i> | | | Date <i>7/20/12</i> | |
| Lake Name <i>Harmon Lake</i> | | County <i>Washburn</i> | | WBIC <i>1852500</i> |
| Start Time <i>9:37am</i> | End Time <i>12:20</i> | Secchi Depth <i>7</i> | feet or meters (circle one) <i>10:06</i> | Conductivity |

Look for the following species: Purple loosestrife, Phragmites, flowering rush, Hydrilla, Brazilian waterweed, Eurasian water-milfoil, curly-leaf pondweed, yellow floating heart, zebra mussel, quagga mussel, Chinese mystery snail, banded mystery snail, faucet snail, New Zealand mud snail. List any other AIS found. **If sites not snorkeled, take 50 rake and D-net samples during meander survey. Record how many of the 50 samples have each AIS found in the "Count" spaces below.**

Did you snorkel the search sites? Y/N **If not, why? (circle one)** stained water, turbid water, blue-green bloom, chemical treatment, other _____

Rake/D-net counts: Species 1 _____ Count _____ ; Species 2 _____ Count _____ ; Species 3 _____ Count _____ ;
Species 4 _____ Count _____ ; Species 5 _____ Count _____ ; Species 6 _____ Count _____

STEP 1: Record locations of sites (in decimal degrees) using a GPS unit (datum WGS84). List AIS found at each site or record none. Collect a sample of any suspected AIS found.

Boat Landing# 1 Species None → *Reed canary grass present* → 2
Latitude 45.783836 Longitude -91.667433 Density (1-5) _____

Boat Landing# _____ Species _____ Latitude _____ Longitude _____ Density (1-5) _____

dev. shore
Search Site# 1 Species None Latitude 45.77857 Longitude -91.66315 Density (1-5) _____

1/2 mi. S. end of lake
Search Site# 2 Species None Latitude 45.77237 Longitude -91.66632 Density (1-5) _____

inlet to pond
Search Site# 3 Species None Latitude ~~45.77699~~ Longitude ~~-91.66700~~ Density (1-5) _____

rock bar
Search Site# 4 Species _____ Latitude 45.77830 Longitude -91.66449 Density (1-5) _____

plant filled bar
Search Site# 5 Species _____ Latitude 45.77994 Longitude -91.66605 Density (1-5) _____

Search Site# _____ Species _____ Latitude 45.78330 Longitude -91.66465 Density (1-5) _____

Meander Survey# _____ Species _____ Latitude _____ Longitude _____ Density (1-5) _____

Meander Survey# _____ Species _____ Latitude _____ Longitude _____ Density (1-5) _____

Meander Survey# _____ Species _____ Latitude _____ Longitude _____ Density (1-5) _____

Step 2: Label first five specimens collected with species, collector, date, lake name, WBIC and Location # Send your specimens to an expert for verification.

Instructions on how to voucher specimens and a list of statewide taxonomy experts can be found at: <http://dnr.wi.gov/invasives/aquatic/whattodo/staff/>

Step 3: Collect Waterflea Tows from three sites around the lake in water deeper than 15 feet (if possible).

Method used: horizontal tows (near surface) or oblique tows (near bottom to surface if greater than 15 feet)

Diameter of plankton net mouth (circle one) 30cm 50cm other _____

Depth sampled: Tow 1 6 ft Tow 2 16.5 ft Tow 3 19.5 ft

Has ethanol been added? N

Have samples been consolidated into one bottle? N

Step 4: Collect Veliger Tows from three sites in 5-10 feet of water (within a meter of the bottom).

Guidelines: If Secchi depth is >4m take two 2m deep samples; if Secchi is between 2-4m take one 2m deep sample; if Secchi is <2m take one 1m tow.

Diameter of plankton net mouth (circle one) 30cm 50cm other _____

Has ethanol been added? Y/N

Have samples been consolidated into one bottle? Y/N

Step 5: Data was entered into SWIMS on 7/30/12 by Erin Vennie-Vallbo
Date Name

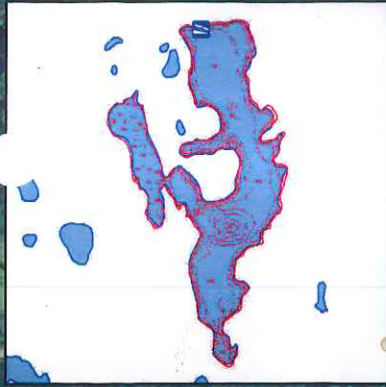
Notes:

Density Ratings

- 1 – A few plants or invertebrates
- 2 – One or a few plant beds or colonies of invertebrates
- 3 – Many small beds or scattered plants or colonies of invertebrates
- 4 – Dense plant, snail or mussel growth in a whole bay or portion of the lake
- 5 – Dense plant, snail or mussel growth covering most shallow areas

General guidance on areas to search for the 10 minute quick snorkel search sites:

- Check rocks for zebra/quagga mussels, faucet snails and New Zealand mudsnails.
- Check around small backyard boat launches.
- Check near creek inlets (especially if AIS are found upstream).
- Check the stems of emergent vegetation for climbing faucet snails.
- Check areas downwind of large boat landings.



1852500 Harmon Lake