

SWF

Data Collectors <i>C. Lavigne D. Daulton N. Larson</i>			Date <i>9-11-12</i>	
Lake Name <i>REST Lake</i>		County <i>Vilas</i>		WBIC <i>2327500</i>
Start Time <i>10:30</i>	End Time	Secchi Depth <i>4.0</i>	feet or meters (circle one)	Conductivity <i>92</i>

Summer 10/20/12

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#	Species	Latitude	Longitude	Density (1-5)
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Search Site# <i>1</i>	Species _____	Latitude <i>46.15057°</i>	Longitude <i>W089.88225°</i>	Density (1-5) _____
Search Site# <i>2</i>	Species <i>Rusky crayfish Chinese mystery snails</i>	Latitude <i>46.15303°</i>	Longitude <i>W089.87827°</i>	Density (1-5) <i>2</i>
Search Site# <i>3</i>	Species <i>banded mystery snail</i>	Latitude <i>46.12780°</i>	Longitude <i>W089.86797°</i>	Density (1-5) <i>1</i>
Search Site# <i>4</i>	Species _____	Latitude <i>46.13771°</i>	Longitude <i>W089.88232°</i>	Density (1-5) _____
Search Site# <i>5</i>	Species <i>unknown snail shell</i>	Latitude <i>46.13763°</i>	Longitude <i>W089.88448°</i>	Density (1-5) _____
Search Site# <i>6</i>	Species <i>Chinese and banded snail</i>	Latitude <i>46.14590°</i>	Longitude <i>W089.88532°</i>	Density (1-5) <i>2</i> both
Meander Survey#	Species	Latitude	Longitude	Density (1-5)
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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/>

✓ 10/16/12 JS

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 50 ft Tow 2 49 ft Tow 3 51 ft

Has ethanol been added? Y/N Have samples been consolidated into one bottle? Y/N

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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 _____ Date _____ by _____ 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.