

SS  
8/22/12  
✓ Success

Data Collectors <i>C. LaVoie J. Hayes D. Deaton</i>			Date <i>8-22-12</i>	
Lake Name <i>Ballard Lake</i>		County <i>Vilas</i>		WBIC <i>2340700</i>
Start Time <i>9:00</i>	End Time	Secchi Depth <i>3.8</i>	feet or meters (circle one) <i>(feet)</i>	Conductivity <i>60</i>

**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)
Boat Landing# <i>1</i>	Species	Latitude <i>46.06224</i>	Longitude <i>89.48562</i>	Density (1-5)
Search Site# <i>1</i>	Species <i>BMS</i>	Latitude <i>46.05722</i>	Longitude <i>89.49976</i>	Density (1-5) <i>4</i>
Search Site# <i>2</i>	Species	Latitude <i>46.05981</i>	Longitude <i>89.50452</i>	Density (1-5)
Search Site# <i>3</i>	Species	Latitude <i>46.06578</i>	Longitude <i>89.50603</i>	Density (1-5)
Search Site# <i>4</i>	Species	Latitude <i>46.06595</i>	Longitude <i>-89.49630</i>	Density (1-5)
Search Site# <i>5</i>	Species	Latitude <i>46.06264</i>	Longitude <i>89.48838</i>	Density (1-5)
Search Site#	Species	Latitude	Longitude	Density (1-5)
Meander Survey# <i>1</i>	Species <i>P. Loosestrife</i>	Latitude <i>46.05767</i>	Longitude <i>89.49695</i>	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 X 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 17 ft Tow 2 16 ft Tow 3 16 ft

Has ethanol been added? Y/N

Have samples been consolidated into one bottle? (Y/N)

1-250 SW F  
✓ 10/11/12 JS

**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 \_\_\_\_\_ by \_\_\_\_\_

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.