

Data Collectors <i>Walt Hoyer, Jeni Steltemper</i>		County <i>Forest</i>		Date <i>7-30-12</i>
Lake Name <i>Dyer</i>		Secchi Depth <i>4</i>		WBIC <i>549400</i>
Start Time <i>11:50</i>	End Time <i>1:15</i>	Feet or meters (circle one) <i>4</i>		Conductivity <i>210</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.**

**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# <u>1</u>	Species <u>CMS</u>	Latitude <u>45.435762</u>	Longitude <u>-088.522323</u>	Density (1-5) <u>1</u>
Boat Landing# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Search Site# <u>1</u>	Species <u>none</u>	Latitude <u>45.436413</u>	Longitude <u>-088.525416</u>	Density (1-5) _____
Search Site# <u>2</u>	Species <u>none</u>	Latitude <u>45.43575</u>	Longitude <u>-088.52885</u>	Density (1-5) _____
Search Site# <u>3</u>	Species <u>none</u>	Latitude <u>45.43378</u>	Longitude <u>-088.52954</u>	Density (1-5) _____
Search Site# <u>4</u>	Species <u>BMS, CMS</u>	Latitude <u>45.43287</u>	Longitude <u>-88.52662</u>	Density (1-5) <u>2</u>
Search Site# <u>5</u>	Species <u>none</u>	Latitude <u>45.43436</u>	Longitude <u>-88.52578</u>	Density (1-5) _____
Search Site# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Meander Survey# <u>1</u>	Species <u>CMS</u>	Latitude _____	Longitude _____	Density (1-5) <u>1</u>
Meander Survey# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Meander Survey# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____

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: Count 1 \_\_\_\_\_; Count 2 \_\_\_\_\_; Count 3 \_\_\_\_\_; Count 4 \_\_\_\_\_  
 Species 1 \_\_\_\_\_; Species 2 \_\_\_\_\_; Species 3 \_\_\_\_\_; Species 4 \_\_\_\_\_

**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 15 ft Tow 2 15 ft Tow 3 15 ft  
 Has ethanol been added? Y/N Have samples been consolidated into one bottle? Y/N

Step 4: Collect Veiliger 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 8-17-12 by Mark Alger  
 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           s downwind of large boat landings.

