

Data Collectors <u>Sarah P, Erin V</u>			Date <u>8/27/12</u>	
Lake Name <u>Copper Lake</u>		County <u>Lincoln</u>		WBIC <u>1487800</u>
Start Time <u>2:00 pm</u>	End Time <u>4:30 pm</u>	Secchi Depth <u>2.0</u>	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?**  **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# <u>1</u>	Species <u>No AIS</u>	Latitude <u>45.32500</u>	Longitude <u>-89.60955</u>	Density (1-5) _____
Boat Landing# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Search Site# <u>1</u>	Species <u>No AIS</u>	Latitude <u>45.32631</u>	Longitude <u>-89.61427</u>	Density (1-5) _____
Search Site# <u>2</u>	Species <u>No AIS</u>	Latitude <u>45.32644</u>	Longitude <u>-89.61703</u>	Density (1-5) _____
Search Site# <u>3</u>	Species <u>No AIS</u>	Latitude <u>45.32393</u>	Longitude <u>-89.61520</u>	Density (1-5) _____
Search Site# <u>4</u>	Species <u>No AIS</u>	Latitude <u>45.32438</u>	Longitude <u>-89.61275</u>	Density (1-5) _____
Search Site# <u>5</u>	Species <u>No AIS</u>	Latitude <u>45.32552</u>	Longitude <u>-89.61533</u>	Density (1-5) _____
Search Site# _____	Species _____	Latitude _____	Longitude _____	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 11 ft Tow 2 11 ft Tow 3 9 ft  
 Has ethanol been added?  Y/N Have samples been consolidated into one bottle?  Y/N

**Step 4:** Collect Veliger Tows from three sites in 5-10 feet of water (within a meter of the bottom). *-Not suitable*  
**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 8/30/12 by Erin Vonnie-Vollrath  
 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.

