

Data Collectors Jodi Lepski, Mark Sinden, Matt Sam, Erin Vennie-Vallbracht			Date 8/9/12
Lake Name Marsh-Miller		County Chippewa	WBIC 2171200
Start Time 9:17	End Time 11:00am	Secchi Depth 1.5 ft	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# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Boat Landing# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Search Site# <u>1</u>	Species _____	Latitude <u>45.14817</u>	Longitude <u>-91.391644</u>	Density (1-5) _____
Search Site# <u>2</u>	Species _____	Latitude <u>45.14153</u>	Longitude <u>-91.39162</u>	Density (1-5) _____
Search Site# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Search Site# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Search Site# _____	Species _____	Latitude _____	Longitude _____	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/>

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**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 1 ft Tow 2 1 ft Tow 3 \_\_\_\_\_ 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).

**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 10-16-12 by Sam Bettorini  
Date Name

**Notes:**

*40 CUP turions visible on lily pads and floating in water*

**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.