

Data Collectors <i>Matt Heger, Fred Lange, Steve Sorendonk</i>		County <i>Florence</i>		Date <i>9-5-12</i>
Lake Name <i>NORTH</i>		Secchi Depth <i>16</i>		WBIC <i>703000</i>
Start Time <i>1:00</i>	End Time <i>1:35</i>	feet or meters (circle one)		Conductivity <i>270</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# 1 Species ZM BWS Latitude 45.90292 Longitude 88.14178 Density (1-5) 1/4

Boat Landing# \_\_\_\_\_ Species \_\_\_\_\_ Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Density (1-5) \_\_\_\_\_

Search Site# 1 Species BWS Latitude 45.90235 Longitude 88.13983 Density (1-5) 3

Search Site# 2 Species ZM BWS Latitude 45.90222 Longitude 88.13619 Density (1-5) 1/4

Search Site# 3 Species ZM BWS Latitude 45.90264 Longitude 88.13496 Density (1-5) 1/3

Search Site# 4 Species 45.90604 EWM Latitude 45.90604 Longitude 88.13928 Density (1-5) 1/3

Search Site# 5 Species BWS Latitude 45.90498 Longitude 88.14233 Density (1-5) 2

Search Site# \_\_\_\_\_ Species \_\_\_\_\_ Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Density (1-5) \_\_\_\_\_

Meander Survey# 1 Species ZM Latitude 45.90132 Longitude 88.13638 Density (1-5) 1

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 \_\_\_\_\_ Species 1 \_\_\_\_\_; Count 2 \_\_\_\_\_ Species 2 \_\_\_\_\_  
 Count 3 \_\_\_\_\_ Species 3 \_\_\_\_\_; Count 4 \_\_\_\_\_ 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 8 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 32 ft Tow 2 34 ft Tow 3 45 ft  
 Has ethanol been added? Y/N Have samples been consolidated into one bottle? Y/N

Step 4: Collect Veliiger 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 9-10-12 by \_\_\_\_\_  
 Date Name

Notes:

45, 90619  
 28, 13938

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.