

Data Collectors <i>Matt Huger, Jeni Skelton PhD</i>		Date <i>8-9-12</i>
Lake Name <i>Bolger Lake</i>	County <i>DeKalb</i>	W/BIC <i>973000</i>
Start Time <i>11:30</i>	End Time <i>1:30 (Meander)</i>	Conductivity <i>20</i>
Secchi Depth <i>20</i>		Feet or meters (circle one)

8-10-12 11 AM - 12:30 PM
 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 CMS Latitude 45.84454 Longitude -89.72068 Density (1-5) 1

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

Search Site# 1 Species CMS Latitude 45.84238 Longitude -89.71687 Density (1-5) 2

Search Site# 2 Species CMS Latitude 45.83805 Longitude -89.71527 Density (1-5) 1

Search Site# 3 Species CMS Latitude 45.84380 Longitude -89.72238 Density (1-5) 1

Search Site# 4 Species CMS Latitude 45.84612 Longitude -89.72665 Density (1-5) 1

Search Site# 5 Species CMS Latitude 45.84137 Longitude -89.72392 Density (1-5) 1

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

Meander Survey# 1 Species _____ Latitude _____ Longitude _____ Density (1-5) _____

Meander Survey# _____ Species _____ Latitude _____ Longitude _____ Density (1-5) _____

Meander Survey# _____ Species _____ Latitude _____ Longitude _____ Density (1-5) _____

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: 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, W/BIC 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 1.5 feet (if possible).

Method used: horizontal tows (near surface) or X oblique tows (near bottom to surface if greater than 1.5 feet)
 Diameter of plankton net mouth (circle one) 30cm 50cm other
 Depth sampled: Tow 1 32 ft Tow 2 44 ft Tow 3 34 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) N/A 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.