

Data Collectors Matt Hoyer Amanda Herron		County Madison		Date 7-24-12
Lake Name Green Lake		Secchi Depth 11		WBIC 627200
Start Time 1:00 pm	End Time 3:30	feet or meters (circle one)		Conductivity 218

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 Purple loosestrife, Banded Latitude 45.50335°N Longitude 99.07954 Density (1-5) 1/1

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

Search Site# 1 Species BNS Latitude 45.50271 Longitude 88.07882 Density (1-5) 1

Search Site# 2 Species PL BNS Latitude 45.49895 Longitude 88.07827 Density (1-5) 1,1

Search Site# 3 Species none Latitude 45.49824 Longitude 88.07858 Density (1-5)     

Search Site# 4 Species none Latitude 45.49769 Longitude 88.0820 Density (1-5)     

Search Site# 5 Species BNS Latitude 45.50176 Longitude 88.07886 Density (1-5) 2

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

Meander Survey# 5 Species PL Latitude 45.50258 Longitude 88.08212 Density (1-5) 1

Meander Survey# 4 Species PL Latitude 45.49933 Longitude 88.08078 Density (1-5) 1

Meander Survey# 1 Species PL BNS CHS CHS Latitude 45.50024 Longitude 88.07855 Density (1-5) 1,1

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: 11 horizontal tows (near surface) or 1 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 11 ft Tow 3 11 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 8-17-12 by Walt Hayes  
 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 a downwind of large boat landings.