

Data Collectors <i>Phil Skelton, Matt Hager, Filip Garcia</i>		Date <i>8-21-12</i>
Lake Name <i>Baraboo Flapscage</i>		WBIC <i>1595368</i>
Start Time <i>9:45</i>	End Time <i>3:50</i>	Secchi Depth <i>4</i>
County <i>Cherokee</i>		Conductivity <i>90</i>
Feet or meters (circle one)		

Look for the following species: Purple loosestrife, Phragmites, flowering rush, Hydrilla, Brazilian 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 *BLS + 3 boat landings commonly not accessible by boat!*

Boat Landings# <i>1</i>	Species <i>RL/EUM/MS</i>	Latitude <i>45.835576</i>	Longitude <i>-089.545702</i>	Density (1-5) <i>1/1/1</i>
Boat Landings# <i>2</i>	Species <i>MSB/BMS</i>	Latitude <i>45.86981</i>	Longitude <i>-089.52952</i>	Density (1-5) <i>2/2</i>
Search Site# <i>1</i>	Species <i>MS/EUM</i>	Latitude <i>45.83725</i>	Longitude <i>-089.52319</i>	Density (1-5) <i>2/2</i>
Search Site# <i>2</i>	Species <i>MS/MS/EUM</i>	Latitude <i>45.86438</i>	Longitude <i>-089.51001</i>	Density (1-5) <i>3/3/1</i>
Search Site# <i>3</i>	Species <i>MS/MS/EUM</i>	Latitude <i>45.88000</i>	Longitude <i>-089.49663</i>	Density (1-5) <i>4/2/2</i>
Search Site# <i>4</i>	Species <i>MS/MS/EUM</i>	Latitude <i>45.86552</i>	Longitude <i>-089.51797</i>	Density (1-5) <i>2/1/3/1</i>
Search Site# <i>5</i>	Species <i>MS/MS/EUM</i>	Latitude <i>45.84778</i>	Longitude <i>-089.53388</i>	Density (1-5) <i>3/1/1/1</i>
Search Site# <i>3</i>	Species <i>MS/MS/PC</i>	Latitude <i>45.85338</i>	Longitude <i>-089.53086</i>	Density (1-5) <i>2/2/1</i>
Meander Survey# <i>2</i>	Species <i>CLP</i>	Latitude <i>45.8843</i>	Longitude <i>-089.50076</i>	Density (1-5) <i>1</i>
Meander Survey# <i>4</i>	Species <i>MS/EUM</i>	Latitude <i>45.84977</i>	Longitude <i>-089.52698</i>	Density (1-5) <i>2/2</i>
Meander Survey# <i>1</i>	Species <i>MS/EUM</i>	Latitude <i>45.84977</i>	Longitude <i>-089.52698</i>	Density (1-5) <i>2/2</i>

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 *2*; Species 1 *MS/EUM*; Count 2 *2*; Species 2 *MS/EUM*; Count 3 *2*; Species 3 *MS/EUM*; Count 4 *2*; Species 4 *MS/EUM*

**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 21 ft Tow 2 18 ft Tow 3 19 ft  
Has ethanol been added? Y/N Have samples been consolidated into one bottle? Y/N

Step 4: Collect Velliger 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 Matt DeJager  
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 mussel, 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.

Dry beet lunches

Data Collectors		Matt Hooper		Date	8-29-12
Lake Name	Rainbow Springs	County	Meida	WBIC	1595320
Start Time	8:45am	End Time	10:00am	Secchi Depth	feet or meters (circle one)
				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.**

**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# 5 Species RC, CMS Latitude 45.88665 Longitude 89.43486 Density (1-5) 4, 2

Boat Landing# 6 Species CMS Latitude 45.87837 Longitude 89.82510 Density (1-5) 2

Search Site# 7 Species CMS, BMS Latitude 45.84370 Longitude 89.54043 Density (1-5) 3, 2

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) \_\_\_\_\_

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) \_\_\_\_\_

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/>