

Data Collectors <i>Jeri Skelton, Amanda Heroux, Mustyger, John Pross</i>		Date <i>8-22-12</i>
Lake Name <i>Long Lake</i>	County <i>Carroll</i>	WBIC <i>1000900</i>
Start Time <i>9:45</i>	End Time <i>12:45</i>	Conductivity <i>10</i>
Secchi Depth <i>7</i>		feet or meters (circle one)

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#	<u>1</u>	Species	<u>none</u>	Latitude	<u>45.29687</u>	Longitude	<u>-089.20250</u>	Density (1-5)	<u>---</u>
Boat Landing#		Species		Latitude		Longitude		Density (1-5)	
Search Site#	<u>1</u>	Species	<u>none</u>	Latitude	<u>45.29965</u>	Longitude	<u>-089.20382</u>	Density (1-5)	<u>---</u>
Search Site#	<u>2</u>	Species	<u>none</u>	Latitude	<u>45.30199</u>	Longitude	<u>-089.20261</u>	Density (1-5)	<u>---</u>
Search Site#	<u>3</u>	Species	<u>none</u>	Latitude	<u>45.30012</u>	Longitude	<u>-089.20752</u>	Density (1-5)	<u>---</u>
Search Site#	<u>4</u>	Species	<u>none</u>	Latitude	<u>45.29780</u>	Longitude	<u>-089.20621</u>	Density (1-5)	<u>---</u>
Search Site#	<u>5</u>	Species	<u>none</u>	Latitude	<u>45.29223</u>	Longitude	<u>-089.20344</u>	Density (1-5)	<u>---</u>
Search Site#		Species		Latitude		Longitude		Density (1-5)	
Meander Survey#	<u>1</u>	Species	<u>none</u>	Latitude	<u>---</u>	Longitude	<u>---</u>	Density (1-5)	<u>---</u>
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 _____; Count 2 _____; Count 3 _____; Count 4 _____
 Species 1 _____; Species 2 _____; Species 3 _____; 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 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 16 ft Tow 2 18 ft Tow 3 15 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 N/A
 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 Hoeger
 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 ALS are found upstream).
- Check the stems of emergent vegetation for climbing faucet snails.
- Check a downwind of large boat landings.

1000900 Long Lake

