

Data Collectors <i>Matt Hoyer, Ben Pross, Teri Stenhenghi</i>		Date <i>8-10-12</i>
Lake Name <i>Toon Line</i>	County <i>Lanark</i>	WBIC <i>1023550</i>
Start Time <i>1:45 PM</i>	End Time <i>4:00 PM</i>	Conductivity <i>40</i>
Secchi Depth <i>2.5</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>45.37600</u>	Longitude <u>89.28826</u>	Density (1-5) <u>-</u>
Boat Landing# <u>2</u>	Species <u>None</u>	Latitude <u>45.37753</u>	Longitude <u>-089.29856</u>	Density (1-5) <u>-</u>
Search Site# <u>1</u>	Species <u>None</u>	Latitude <u>45.37821</u>	Longitude <u>-089.29347</u>	Density (1-5) <u>-</u>
Search Site# <u>2</u>	Species <u>None</u>	Latitude <u>45.37872</u>	Longitude <u>-089.29764</u>	Density (1-5) <u>-</u>
Search Site# <u>3</u>	Species <u>None</u>	Latitude <u>45.37780</u>	Longitude <u>-089.29862</u>	Density (1-5) <u>-</u>
Search Site# <u>4</u>	Species <u>None</u>	Latitude <u>45.37724</u>	Longitude <u>-89.29770</u>	Density (1-5) <u>-</u>
Search Site# <u>5</u>	Species <u>None</u>	Latitude <u>45.37644</u>	Longitude <u>-89.29611</u>	Density (1-5) <u>-</u>
Search Site# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Meander Survey# <u>1</u>	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Meander Survey# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Meander Survey# <u>1</u>	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 X 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 25 ft Tow 2 18 ft Tow 3 21 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 8-17-12 by Matt Heger  
 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      s downwind of large boat landings.