

Data Collectors <i>rusty hager, joni stephenson, john fruss</i>		Date <i>8-23-12</i>
Lake Name <i>Pence Lake</i>	County <i>Langlade</i>	WBIC <i>1016100</i>
Start Time <i>9:30</i>	End Time <i>11:50</i>	Conductivity <i>20</i>
Secchi Depth <i>8</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>45.30649</u>	Longitude <u>-089.06212</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>45.30558</u>	Longitude <u>-089.06115</u>	Density (1-5) <u>---</u>
Search Site# <u>2</u>	Species <u>none</u>	Latitude <u>45.30617</u>	Longitude <u>-089.06082</u>	Density (1-5) <u>---</u>
Search Site# <u>3</u>	Species <u>none</u>	Latitude <u>45.31061</u>	Longitude <u>-089.06176</u>	Density (1-5) <u>---</u>
Search Site# <u>4</u>	Species <u>none</u>	Latitude <u>45.30923</u>	Longitude <u>-089.06317</u>	Density (1-5) <u>---</u>
Search Site# <u>5</u>	Species <u>none</u>	Latitude <u>45.30672</u>	Longitude <u>-089.06225</u>	Density (1-5) <u>---</u>
Search Site# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Meander Survey# <u>1</u>	Species <u>none</u>	Latitude _____	Longitude _____	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 30 ft Tow 2 36 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) 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 Heger

Date Name

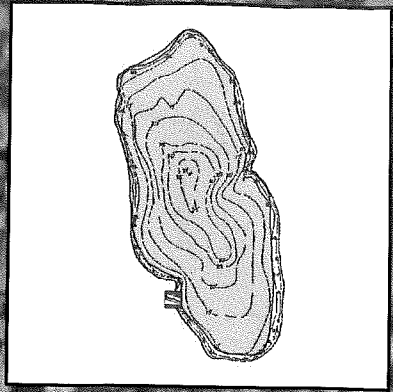
Notes:

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 downwind of large boat landings.



1010100 Pence Lake