

Data Collectors <i>Matt Heeger, Justin Reike</i>		Date <i>8-29-12</i>
Lake Name <i>Pelican</i>	County <i>Deida</i>	WBIC <i>15799DD</i>
Start Time <i>15:00 am</i>	End Time <i>4</i>	Secchi Depth feet or meters (circle one) <i>150</i>
Conductivity <i>150</i>		

*CLD treatment already done*

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>CMS, RC, DL</u>	Latitude <u>45.48982</u>	Longitude <u>89.20299</u>	Density (1-5) <u>1/2</u>
Boat Landing# <u>2</u>	Species <u>CMS, RC - Red Swamp?</u>	Latitude <u>45.50433</u>	Longitude <u>89.23610</u>	Density (1-5) <u>3-1</u>
Search Site# <u>1</u>	Species <u>45. CMS, -</u>	Latitude <u>45.49700</u>	Longitude <u>89.22209</u>	Density (1-5) <u>1</u>
Search Site# <u>2</u>	Species <u>CMS</u>	Latitude <u>45.51389</u>	Longitude <u>89.23031</u>	Density (1-5) <u>1</u>
Search Site# <u>3</u>	Species <u>CMS</u>	Latitude <u>45.51217</u>	Longitude <u>89.20514</u>	Density (1-5) <u>2</u>
Search Site# <u>4</u>	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Search Site# <u>5</u>	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Search Site# _____	Species _____	Latitude <u>45.51989</u>	Longitude <u>89.20093</u>	Density (1-5) <u>2</u>
Search Site# <u>5</u>	Species _____	Latitude <u>45.51449</u>	Longitude <u>89.19372</u>	Density (1-5) <u>2/2</u>
Meander Survey# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Meander Survey# <u>R0</u>	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Meander Survey# <u>R5</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 \_\_\_\_\_; 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 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 20 ft Tow 2 238 ft Tow 3 36 ft  
 Has ethanol been added? Y/N Have samples been consolidated into one bottle? Y/N

Step 4: Collect Veiliger 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  
Date

by Matt Hoyer

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.

Data Collectors <i>Brandon Selner, Javier Stehman</i>		Date <i>8-29-12</i>
Lake Name <i>Pelican</i>	County <i>Monroe</i>	WBIC
Start Time <i>10:00</i>	End Time <i>4</i>	Secchi Depth <i>3</i>
feet or meters (circle one)		Conductivity <i>150</i>

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 4*

Boat Landing# 6 Species CMS, rusty crayfish Latitude 45.51861 Longitude -089.18500 Density (1-5) 1

Boat Landing# 5 Species rusty crayfish Latitude 45.49815 Longitude -089.16930 Density (1-5) 1

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

Search Site# 2 Species \_\_\_\_\_ Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Density (1-5) \_\_\_\_\_

Search Site# 3 Species \_\_\_\_\_ Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Density (1-5) \_\_\_\_\_

Search Site# 4 Species CMS Latitude 45.50139 Longitude -89.16401 Density (1-5) 1

Search Site# 5 Species CMS Latitude 45.51215 Longitude -089.16172 Density (1-5) 1

Search Site# 6 Species CMS Latitude 45.51474 Longitude -89.17317 Density (1-5) 1

Meander Survey# 1 Species CMS Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Density (1-5) 1

Meander Survey# \_\_\_\_\_ Species \_\_\_\_\_ Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Density (1-5) \_\_\_\_\_

Meander Survey# \_\_\_\_\_ Species \_\_\_\_\_ Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Density (1-5) \_\_\_\_\_

Meander Survey# \_\_\_\_\_ Species \_\_\_\_\_ Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Density (1-5) \_\_\_\_\_

Did you snorkel the search sites?  **If not, why? (circle one) stained water, turbid water, blue-green bloomy, 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/>