

Data Collectors <u>Jodi Lepach, Mark Sundeen, Erin Vernie-Voltrath</u>			Date <u>8/8/12</u>
Lake Name <u>Sand Lake</u>		County <u>Rusk</u>	WBIC <u>2353600</u>
Start Time <u>12:45 pm</u>	End Time <u>4:30 pm</u>	Secchi Depth <u>14 @ 1 pm</u> <small>feet or meters (circle one)</small>	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. Record how many of the 50 samples have each AIS found in the "Count" spaces below.**

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: Species 1 _____ Count _____; Species 2 _____ Count _____; Species 3 _____ Count _____;
Species 4 _____ Count _____; Species 5 _____ Count _____; Species 6 _____ Count _____

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 _____	Latitude <u>45.29903</u>	Longitude <u>-91.36166</u>	Density (1-5) _____
Boat Landing# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Search Site# <u>1</u> <small>inlet</small>	Species <u>CLP</u>	Latitude <u>45.29626</u>	Longitude <u>-91.25336</u>	Density (1-5) <u>1</u>
Search Site# <u>2</u> <small>outlet</small>	Species _____	Latitude <u>45.30303</u>	Longitude <u>-91.35357</u>	Density (1-5) _____
Search Site# <u>3</u> <small>down stream</small>	Species _____	Latitude <u>45.30126</u>	Longitude <u>-91.36673</u>	Density (1-5) _____
Search Site# <u>4</u> <small>inlet</small>	Species <u>CLP</u>	Latitude <u>45.29957</u>	Longitude <u>-91.36163</u>	Density (1-5) <u>2</u>
Search Site# <u>5</u>	Species <u>CLP</u>	Latitude <u>45.29195</u>	Longitude <u>-91.36247</u>	Density (1-5) <u>1</u>
Search Site# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Meander Survey# <u>1</u>	Species <u>CLP</u>	Latitude <u>45.29957</u>	Longitude <u>-91.36163</u>	Density (1-5) <u>2</u>
Meander Survey# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Meander Survey# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____

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 35 ft Tow 2 35 ft Tow 3 20 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). - Not suitable

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 8/14/12 by Erin Vennie-Vollrath
 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 areas downwind of large boat landings.

2353600 Sand Lake

