

Data Collectors <u>Sam Betterley, Erin Vinnie-Vollrath, Scott Egeren</u>			Date <u>July 5th 2012</u>	
Lake Name <u>Wadley</u>		County <u>Marathon</u>		WBIC <u>1177600</u>
Start Time <u>10:04</u>	End Time <u>12:40</u>	Secchi Depth <u>16</u> <small>feet or meters (circle one)</small>	Conductivity <u>185</u> $\mu\text{S}/\text{cm}$	

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# 1 Species EWM, Rusty, CMS Latitude 44.69182 Longitude -89.42623 Density (1-5) 3, 1, 2

Boat Landing# _____ Species _____ Latitude _____ Longitude _____ Density (1-5) _____

Side highway off rocky bank
Search Site# 1 Species wnk iris, EWM, CMS Latitude 44.69415 Longitude -89.42747 Density (1-5) 2, 1, 1

Search Site# 2 Species CMS, EWM Latitude 44.69479 Longitude -89.42434 Density (1-5) 3, 3

bay w/ plants
Search Site# 3 Species EWM Latitude 44.69523 Longitude -89.42284 Density (1-5) 3

Bay w/ plants edge shore
Search Site# 4 Species EWM, ~~NLC~~ CMS-shells Latitude 44.69155 Longitude -89.42161 Density (1-5) 3, 2

dev shore
Search Site# 5 Species EWM, CMS shells Latitude 44.69125 Longitude -89.42398 Density (1-5) 2

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

Meander Survey# 1 Species EWM, NLC Latitude 44.69485 Longitude -89.42495 Density (1-5) 1, 2

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 15 ft Tow 2 15 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 _____

Has ethanol been added? Y/N

Have samples been consolidated into one bottle? Y/N

Step 5: Data was entered into SWIMS on 10-16-2012 by Sam Betterley
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.



1177600 Wadley Lake

10:04

Present

CLP, EW, CMS

Vouchers

CLP, EWM