

Data Collectors		Date	
Jeni Steltenpohl, John Press		7-31-12	
Lake Name	White Lake	County	Washtenaw
Start Time	9:45	Secchi Depth	14
End Time	12:15pm	feet or meters (circle one)	feet
		Conductivity	270
		WBIC	3105500

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

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

Search Site# 1 Species BMS Latitude 45.16612 Longitude -088.76448 Density (1-5) 2

Search Site# 2 Species BMS Latitude 45.16743 Longitude -088.77438 Density (1-5) 2

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

Search Site# 4 Species \_\_\_\_\_ Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Density (1-5) \_\_\_\_\_

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

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

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

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 \_\_\_\_\_ 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  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 48 ft Tow 2 48 ft Tow 3 48 ft  
 Has ethanol been added?  Y  N Have samples been consolidated into one bottle?  Y  N

Step 4: Collect Veiiger 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 \_\_\_\_\_ by \_\_\_\_\_

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.

Data Collectors		W. H. Keegan, Phillip Grogic		Date	7-31-12
Lake Name	White Lake	County	Complete	WBIC	
Start Time		End Time		Secchi Depth	feet or meters (circle one)
				Conductivity	

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Boat Landing# 1 Species BMS Latitude 45.16244 Longitude 88.76218 Density (1-5) 2

Boat Landing# 4 Species BMS Latitude 4 Longitude  Density (1-5)

Search Site# 5 Species BMS Latitude 45.16160 Longitude 88.76405 Density (1-5) 1

Search Site# 4 Species BMS Latitude 45.16119 Longitude 88.76807 Density (1-5) 1

Search Site# 3 Species BMS Latitude 45.16287 Longitude 88.77099 Density (1-5) 1

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

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

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

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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

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