

Lake Name Hick Falls	County Macintosh	WBIC 540600	AIS sign? <input checked="" type="radio"/> Y <input type="radio"/> N	Secchi (ft or m)	Conductivity (ZM tow if $\geq 99$ umhos/cm)
Date(s) 7/21/13	Data collectors Soni, Ryan	Start time (nearest 15 min) 10:15	End time (nearest 15 min) 5:05	Total collector time (hrs x # collectors) 48.5	

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, didymo, water flea, and any other AIS found.

STEP 1: Record locations of sampling sites (in decimal degrees). Sampling sites include all public boat landings (BL), 5 targeted sites (TS) and the meander survey sites (MS). List AIS found at each site or record none. Collect a sample of any new AIS found. Collect five new invasive plant specimens, 20 Dreissenids, and 30 of each snail species and label with species, collector, date, lake name, WBIC and sampling site.

Site	Latitude	Longitude	Snorkel (Y or N)	If N snorkel, indicate why*	Species, density 1-5*
MS1	45.31056	-88.19511	N		Edum 1
MS2	45.31540	-88.19210	N		Edum 1
MS3	45.31615	-88.19136	N		Edum 3
MS4	45.31760	-88.19290	N		Aquatic Forget-me-not
MS5	45.37182	-88.19317	N		" " "
BL#2	45.35049	-88.18828	Y		BMS 1 Edum 1
SL	45.34931	-88.19160	Y		Edum 2
MS6	45.33870	-88.18354	N		CLP
BL#3	45.33185	-88.18218	Y		BMS 1 Edum 1
BL9	45.31830	-88.17780	Y		Aquatic Forget-me-not, 1 BMS 2
↓	↓	↓	↓		Edum 1
MS7	45.31114	-88.19311	N		Aquatic Forget-me-not

\*For lakes/sites not snorkeled, substitute:

- Boat landing site - 15 rake throws and 15 D-net samples OR 30 minutes, whichever comes first
- Targeted site - 5 rake throws and 5 D-net samples OR 10 minutes, whichever comes first
- 50 meander sites - 10 rake throws and 10 D-net samples during meander survey between sampling sites for a total of 50 meander survey sites

<sup>†</sup>If lake/site was not snorkeled, indicate why: stained water, turbid water, blue-green bloom, chemical treatment, other (please describe).

<sup>‡</sup> 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

Step 2: Collect Waterflea Tows from 3 sites: the deep hole (DH) and 2 other sites in water deeper than 15 feet (if possible). Submit sample and Water Flea To Monitoring Report form to Science Services.

Site	Depth sampled	Method (hor, obliq, vert)	Net diameter (30 or 50 cm)	Ethanol added (Y or N)	Samples combined (Y or N)	Sample sent to, date
SW3	5M	obliq	50			

Step 3: Collect Veiiger Tows from 3 sites: the deep hole (DH), outlet site (OS), and or downwind site (DS) in water depth of about 4 meters (if possible). Submit sample and Mussel Veiiger Tow Monitoring Report form to Science Service.

Site	Depth sampled	Net diameter (30 or 50 cm)	Ethanol added (Y or N)	Samples combined (Y or N)	Sample sent to, date
Z3	5M	50			

Step 4: Were plant voucher specimens submitted? Yes No (circle) If yes, where? (circle) Freckmann Herbarium, Other \_\_\_\_\_

Step 5: Were snail voucher specimens submitted (separate into Chinese, banded, all others)? Yes No (circle) If yes, where? (circle) UW La Crosse, or Other \_\_\_\_\_

Step 6: Data was entered into SWIMS on \_\_\_\_\_ by \_\_\_\_\_

Step 7: Data was proofed on 9/13/13 by Tennifer Steltenpohl

Notes:

Lake Name <i>High Falls</i>	County <i>Marquette</i>	WBIC <i>540000</i>	AIS sign? Y N	Secchi (ft or m)	Conductivity (ZM tow if $\geq 99$ umhos/cm)
Date(s) <i>7/24/13</i>	Data collectors <i>Eric Nimmer-Volkach, Ryan Archim</i>	Start time (nearest 15 min) <i>10:15 am</i>		End time (nearest 15 min) <i>5:00 pm</i>	Total collector time (hrs x # collectors)

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, didymo, water flea, and any other AIS found.

STEP 1: Record locations of sampling sites (in decimal degrees). Sampling sites include all public boat landings (BL), 5 targeted sites (TS) and the meander survey sites (MS). List AIS found at each site or record none. Collect a sample of any new AIS found. Collect five new invasive plant specimens, 20 Dreissenids, and 30 of each snail species and label with species, collector, date, lake name, WBIC and sampling site.

\*Fresh  
water  
sponge

Site	Latitude	Longitude	Snorkel (Y or N)	If N snorkel, indicate why†	Species, density 1-5†
TS4	N45.30547	W 88.19115	Y		BMS-4, EMM-3, RC-3
BL4	N45.30695	W 88.18156	Y		BMS-4, EMM-3
BL3	45.29484	88.17929	Y		BMS-4, EMM-3
BL6	N45.28677	W 88.19378	Y		BMS-4, EMM-4
TSS	N45.27832	W 88.20745	Y		BMS-3, EMM-3

different  
spot from  
2012

\*For lakes/sites not snorkeled, substitute:

- Boat landing site - 15 rake throws and 15 D-net samples OR 30 minutes, whichever comes first
- Targeted site - 5 rake throws and 5 D-net samples OR 10 minutes, whichever comes first
- 50 meander sites - 10 rake throws and 10 D-net samples during meander survey between sampling sites for a total of 50 meander survey sites

†If lake/site was not snorkeled, indicate why: stained water, turbid water, blue-green bloom, chemical treatment, other (please describe).

‡ 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

Step 2: Collect Waterflea Tows from 3 sites: the deep hole (DH) and 2 other sites in water deeper than 15 feet (if possible). Submit sample and Water Flea To Monitoring Reprt form to Science Services.

Site	Depth sampled	Method (hor, obliq, vert)	Net diameter (30 or 50 cm)	Ethanol added (Y or N)	Samples combined (Y or N)	Sample sent to, date

Step 3: Collect Veiiger Tows from 3 sites: the deep hole (DH), outlet site (OS), and or downwind site (DS) in water depth of about 4 meters (if possible). Submit sample and Mussel Veiiger Tow Monitoring Report form to Science Service.

Site	Depth sampled	Net diameter (30 or 50 cm)	Ethanol added (Y or N)	Samples combined (Y or N)	Sample sent to, date
ZM2	12	30 cm	Y		
ZM1	12	11	"		

Step 4: Were plant voucher specimens submitted? Yes No (circle) If yes, where? (circle) Freckmann Herbarium, Other \_\_\_\_\_

Step 5: Were snail voucher specimens submitted (separate into Chinese, banded, all others)? Yes No (circle) If yes, where? (circle) UW La Crosse, or Other \_\_\_\_\_

Step 6: Data was entered into SWIMS on \_\_\_\_\_ by \_\_\_\_\_

Step 7: Data was proofed on 9/13/13 by Jennifer Skelton

Notes: