

Known: BMS, CLP, EWM, Eutrophication (?)

Collect Hybrid samples

AIS Early Detection Monitoring Data Form

Harvest Lake

CH2014

Form 3200-xxxx (R 6/2013)

Lake Name Blue Spring	County Jefferson	WBIC 819800	Date(s) 8/12/14	AIS sign? Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Secchi (ft or m) 8.25	Conductivity (ZM tow if $\geq 99$ umhos/cm)
Data collectors Jeanne Scherer Katrina Panzel		Lead Monitor phone and email <del>808-275-3283</del> jeanne.scherer	Start time (~ 15 min) 10:15 AM	End time (~ 15 min) 1:00	Total collector time (hrs x # collectors) 2 5:50	

Look for the following species: Purple loosestrife, Phragmites, flowering rush, Japanese knotweed, Yellow iris, Eurasian water-milfoil, curly-leaf pondweed, Hydrilla, Brazilian waterweed, yellow floating heart, European frog-bit, yellow floating heart, water chestnut, Brazilian waterweed, fanwort, parrot feather, water hyacinth, water lettuce, zebra mussel, quagga mussel, water flea, Chinese mystery snail, banded mystery snail, faucet snail, New Zealand mud snail, Asian clam, red swamp crayfish, rusty crayfish, didymo, and any other AIS found.

STEP 1: Record locations of sampling sites (in decimal degrees). Sampling sites include all public boat landings (BL), 5 target 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 3 of each snail species and include internal and external labels with WBIC, lake name, county, sample date, sample type (snails, spiny water flea or zebra mussel) and collector. Legibility is appreciated. If needed, preserve with adequate ethanol.

Site	Latitude	Longitude	Snorkel (Y or N*)	If N snorkel, indicate why	Species, density 1-5*
BL1					
BL1	42.86219	-88.59446	N	Cold, no wetsuits	Ewm (hybrid?) 2 ✓ CLP 1 BMS 3 ✓
TS1	42.85892	-88.60440	N	Cold	BMS 3 ✓ Ewm 2
MS1	42.85619	88.60689			BMS 3 ✓ Ewm 2
TS2	42.85659	88.60326			CLP 1 BMS 4 Ewm 1 (hybrid var.?)
MS2	42.85672	88.60280			Scattered known weed on shore
TS3	42.85794	88.59882			Ewm 1 (truncated)
MS3	42.85934	88.59400			BMS 4
MS3	42.86130	88.59395			Pond off shore suspected yellow iris out of water
MS4	42.86129	88.59380			Yellow iris 2 (spray paint)
MS5	42.86285	88.59567 ✓			Yellow iris 2
TS5	42.86185	88.60020 ✓			Ewm 1, BMS 3 ✓

Sprayed plants

out of water

TS4 House for sale Dick Natrop Shovewest 262-549-9407 X117 - Sprayed plants along bank  
- yellow iris in the tributary by island based on the culverted area (not put in swims)

\*For lakes/sites not snorkeled, substitute:

Boat landing site - Examine rake throws and D-net samples for 30 minutes.  
 Targeted site - Examine rake throws and D-net samples for 10 minutes.  
 Meander - Examine 50 rake throws/D-net samples during meander survey.

†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 the deep hole (DH): Decant s water and preserve the sample. Submit the sample, this data form and the Water Flea Tow Monitoring Report (3200-128) to DNR Science Services.

Site	Net ring depth	Method (hor, obliq, vert)	Net diameter (30 or 50 cm)	Ethanol added (Y or N)	Samples combined (Y or N)	Sample sent to, date
DH1	2	0	50	Y	Y	8/16/14
DH2	1.5	0	50	Y	Y	8/16/14
Bog1	1.5	0	50	Y	Y	8/16/14

**Step 3:** Collect Velliger Tows from 3 sites; the deep hole (DH) and two other deep areas along the downwind side of the lake. Submit the sample, this data form and the Mussel Velliger Tow Monitoring Report (3200-135) to DNR Science Service.

Site	Net ring depth	Net diameter (30 or 50 cm)	Ethanol added (Y or N)	Samples combined (Y or N)	Sample sent to, date
DH1	2m	50	Y	Y	8/16/14
DH2	2m	50	Y	Y	8/16/14
DH3	2m	50	Y	Y	8/16/14

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

**Step 5:** Were snail voucher specimens submitted for all records (circle)? Yes  No (circle) If yes, where? (circle) UW-La Crosse or other \_\_\_\_\_

**Step 6:** Data was entered into SWIMS on 8/19/14 by S. Steen

**Step 7:** Data was proofed on 8/22/14 by T. Pined

**Notes:** 8/19/14 Hybrid samples given to middle ground to send in for testing.