

## AIS Early Detection Monitoring Data Form

Form 3200-xxx (R 6/2013)

Lake Name Boulder	County Vilas	WBIC 2338300	Date(s) 7/15/14	AIS sign? Y N	Secchi (ft or m)	Conductivity (ZM tow if $\geq 99$ umhos/cm) 67
Data collectors Jason Hayes Lilly Quetschke		Lead Monitor phone and email	Start time (~ 15 min)	End time (~ 15 min)	Total collector time (hrs x # collectors)	

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 <sup>†</sup>	Species, density 1-5 <sup>†</sup>
MS16	46.12431	89.68917			yellow iris 2
→ TS5	46.12617	89.68507	Y	—	CMS 2
MS17	" "	" "			yellow iris 3
MS18	46.12710	89.67309			yellow iris 1
MS19	46.12751	89.67193			yellow iris 2
MS20	46.12791	89.67023			yellow iris 4
MS21	46.12700	89.66823			yellow iris 2
MS22	46.12732	89.66488			yellow iris 2
MS23	46.13001	89.66154			yellow iris 2
MS24	46.13081	89.65957			yellow iris 1

\*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
1	18	ob	50	Y	Y	
2	18	ob	50	Y	Y	
3	18	ob	50	Y	Y	

Step 3: Collect Veliger 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 Veliger 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

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 If yes, where? (circle) UW-La Crosse or other \_\_\_\_\_

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

Step 7: Data was proofed on \_\_\_\_\_ by \_\_\_\_\_

Notes:

Inc

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BL1	46.13217	89.65523	Y		Yellw lra 2 CMS 3
MS1	46.12981	89.65502			yellow iris 1
MS2	46.12681	89.65026			yellow iris 2
→ TS1	46.12452	89.64664	Y	—	CMS 2
MS3	46.12155	89.64982			yellow iris 1
MS4	46.12049	89.64785			yellow iris 3
MS5	46.11935	89.64912			yellow iris 3
MS6	46.11831	89.65174	Y	—	yellow iris 4
→ TS2	46.11831	89.65174	Y	—	CMS 1
6 MS7	46.12104	89.65519			yellow iris 2
7 MS8	46.12006	89.65725			yellow iris 1
8 MS9	46.11740	89.65874			yellow iris 2
→ TS3	46.12030	89.66264	Y	—	
9 MS10	46.12030	89.66264			yellow iris 1
10 MS11	46.12196	89.66559			yellow iris 2
11 MS12	46.12349	89.66592			yellow iris 4
12 MS13	46.12525	89.68433			yellow iris 2
13 MS14	46.12094	89.69018			yellow iris 3
→ TS4	46.12103	89.69019	Y	—	CMS 3