

CLP Voucher needed; - Known hybrid milfoil

AIS Early Detection Monitoring Data Form

Form 3200-xxx (R 6/2013)

Lake Name Fish	County DANE	WBIC 985100	Date(s) 8/5/14	AIS sign? Y N	Secchi (ft or m) 3'	Conductivity (ZM tow if ≥ 99 umhos/cm)
Data collectors Jeanne Scherer Kat Punzel		Lead Monitor phone and email Jeanne.scherer@wisconsin.gov	Start time (~ 15 min) 9:45	End time (~ 15 min) 12:30	Total collector time (hrs x # collectors) 5.5	

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‡
BL	43.28577	-89.66022	N	Turbid	Ewm 4, Hyb. 4, CLP1
TS1	43.28780	-89.65915	↓	50' from shore	Hybrid 2 ^{most} [→] Lots of curly-leaf pondweed, Nymphs, waterweeds, Salvinia
TS2	43.28997	-89.659667			Hybrid 5, CLP1
TS3	43.290733	-89.657983			Hybrid 5, CLP1
MS2	43.2908	-89.656467			PL11 & Hybrid 5, CLP1
TS4	43.290817	-89.653767			Along here green [→] Rooted shoreline - no rooted AIS
MS3	43.291733	-89.64965	↓	↓	Hybrid 5, CLP1
TS5	43.2874	-89.643983			in shore clear, 25' out Hybrid 5
* MS1	43.28700	-89.975	↓		Ewm 4

* Entered in SWIMS but forgot to transfer to this sheet so out of order

Hard to be near shore - Snags

*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

Step 3: Collect Veiliger 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 Veiliger 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:

CLP Voucher

Known milfoil hybridization
CLP

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Data collectors Jeanne Scherer Katrina Pangel		Lead Monitor phone and email jeanne.scherer@wisconsin.gov	Start time (~15 min) 9:45	End time (~15 min) 12:30 (2:35)	Total collector time (hrs x # collectors) 5.5	

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Site	Latitude	Longitude	Snorkel (Y or N*)	If N snorkel, indicate why*	Species, density 1-5 ⁺
BL1	43.28577	-89.66022	N	Somewhat turbid	Ewm Hybrid 4 CLP 1
TS1	43.28780	-89.65915	N	mostly out	Ewm/Hybrid 2 Lots of waterweeds floating leaves
MS1	43.28700	89.6975			Ewm/Hybrid 4
TS2	43° 17.382	89° 39.580			Ewm/Hybrid 5, CLP 1
TS3	43° 17.441	89° 39.479			Ewm/Hybrid 5, CLP 1
MS1	43° 17.448	89° 39.388			PL 7 Ewm 5 CLP 1
TS4	43° 17.449	89° 39.226			Restored shorelines
MS2	43° 17.504	89° 38.979			Ewm/Hybrid 5, CLP 1
TS5	43° 17.244	89° 38.639			in shore clear 25' off shore Ewm 5
TS5	43° 17.066	89° 38.893			Ewm/Hybrid 4

Hard to be near shore due to snags

Compromised area

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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
DH	12	DM	50	Y	Y	8/18/14
DH	12	DM	50	Y	Y	8/18/14
DH	12	DM	50	Y	Y	8/18/14

52
18
50

Step 3: Collect Veliiger 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 Veliiger 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
DH	4	50	Y	Y	8/18/14
DH	4	50	Y	Y	8/18/14
DH	4	50	Y	Y	8/18/14

50
50
50

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 8/19/14 by J. Starn

Step 7: Data was proofed on 8/22/14 by J. Starn

Notes: corrections made 9/15/14 by Starn
 Veliger net for amount of cup stain on 3rd pool