Lots of different in set spp. (clams)

AIS Early Detection Monitoring Data Form

Form 3200-xxx   (R 6/2013)

Lake Name	County	WBIC	Date(s)	AIS sign?	Secchi (ft or m)	Conductivity (ZM tow if ≥ 99 umhos/cm)
	Marin	3200	8/2/16	Y / N	9	250

Data collectors	Lead Monitor phone and email	Start time (~ 15 min)	End time (~ 15 min)	Total collector time (hrs x # collectors)
	(previously anonymized)	10:30	1:00	5 hrs

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	45.30038	87.81524	y	—	BMS-2
S1	45.3026	87.8120	y	—	BMS-2
S2	45.30587	87.81085	y	—	BMS-1
S3	45.30878	82.8162	y	—	BMS-1
S4	45.3062?5	87.8142		—	BMS-1
S4	45.3069	87.81946	y	—	NO AIS very algae-laden
BL2	45.30073	87.8232	N	shallow	BMS-2 bottom
S5	45.29826	87.81424	y	—	No AIS

*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 the deep hole (DH). Decant s water and preserve the sample. Submit sample and datasheet to 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 Veliger Tows from 3 sites; the deep hole (DH), water depth of about 4 meters (if possible). Submit sample and Mussel Veliger Tow Monitoring Report form to Science Service.

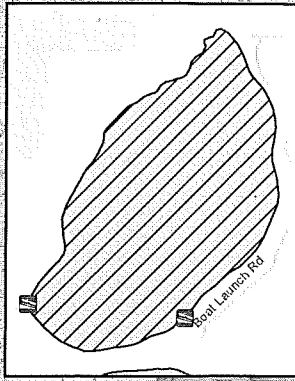| Site	Net ring depth	Net diameter (30 or 50 cm)	Ethanol added (Y or N)	Samples combined (Y or N)	Sample sent to, date
	GM				

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 _____ Jason Cover _____ 8/29/14

Step 7: Data was proofed on ___8/29/14___ by ___Ryan Moriff___

Notes:

N

Reimer R (1)

Reimer Rd Private

Boat Landing Rd (2)

Boat Launch Rd

Boat Launch Rd

Map Symbols

Landings (Public & Private)

Hydro Flow Direction Arrows

Wetlands

County Forests

LAKE BOTTOM SYMBOLS

P.	Peat	Gr.	Gravel
Mk.	Muck	R.	Rubble
C.	Clay	Br.	Bedrock
M.	Marl	Sd.	Sand
T	Submergent vegetation		
⊥	Emergent vegetation		
—	Floating vegetation		

St · St · T · St · T · St · T

3' · 6' · 9' · 12' · 15' · 18' · 21' · 24'

24' · 18'

21' · 27' · 30'

18' · 33'

6' · 8' · 12' · 15'

3'

St · St · Sd · Sd · Sd · Sd · Sd

530500 Lake Mary