

196200

Lake Name Caldron Falls	County Maricopa/Cocon	WBIC 545400	Date(s) 7/22/14	AIS sign? <input checked="" type="radio"/> N	Secchi (ft or m) 8	Conductivity (ZM tow if ≥ 99 umhos/cm) 190
Data collectors Jason Ryan	Time Amy	Lead Monitor phone and email (930) 360-6316 Ryan.Mohr@arsenain.gov	Start time (~ 15 min) 10:00	End time (~ 15 min) 11:00	Total collector time (hrs x # collectors) 24 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	45.35311	88.23309	N	Fisherman (rakes & visual survey)	BMS-1, EMM-1, AFMM-1
SI	45.35878	88.23331	Y		EMM-2
MS1	45.36275	88.24120	N	meander	EMM-4 (hybrid?) whole bag
MS2	45.36257	88.24321	N	" "	" "
BL2	45.36328	88.24677	Y		EMM-4, ZM-1, BMS-2 (Rocky)
SA	45.35667	88.25052	Y		EMM-2, BMS-2
SA	45.35389	88.25621	Y		EMM-1, BMS-1
BL3	45.36008	88.26896	Y		EMM-3, CLP-1, BMS-2
SA	45.36878	88.29380	Y		EMM-1, BMS-1
MS3	45.37021	88.29316	N	meander	CLP-1
MS4	45.36642	88.30246	N	" "	CLP-1

*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
1	18m	↓		↓	↓	
2	10m	↓		↓	↓	
3	9m	↓		↓	↓	

Step 3: Collect Velliger Tows from 3 sites; the deep hole (DH), water depth of about 4 meters (if possible). Submit sample and Mussel Velliger 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
1	18m		↓	↓	
2	16m		↓	↓	
3	9m		↓	↓	

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 8/15/14 by TRON CORNELL

Step 7: Data was proofed on 9/15/14 by Ryan Witt

Notes:

Lake Name Carbon Falls	County Marquette	WBIC 515400	Date(s) 7-22-11	AIS sign? <input checked="" type="checkbox"/>	Secchi (ft or m)	Conductivity (ZM tow if ≥ 99 umhos/cm)
Data collectors Christina Wolbers Amy Kretlow	Lead Monitor phone and email Christina.Wolbers@wisconsin.gov	Start time (~ 15 min) 10:30am	End time (~ 15 min) 3:40pm	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.

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Site	Latitude	Longitude	Snorkel (Y or N*)	If N snorkel, indicate why †	Species, density 1-5 ‡
#1 BL#1	45.34538	-88.24880	Y		BMS (1) EUM (1) - had AIS sign
S3	45.34873	-88.25787	Y		EWM (3) BMS (1) EUP Floating nearby
#5 BL#2	45.36451	-88.30477	Y		BMS (3) CUP (1) EWM (1) - had AIS sign

Found in
integrated
at launch
add on
plants

Carbon Falls
meander