

AIS Early Detection Monitoring Data Form

Form 3200-xxx (R 6/2013)

*Wright in SWIMS*

*7/15/14 Meander + Sampling*

Lake Name <i>L. Crooked</i>	County <i>Vilas</i>	WBIC <i>2335500</i>	Date(s) <i>7/21/14</i>	AIS sign? <i>(Y) N</i>	Secchi (ft or m) <i>8ft</i>	Conductivity (ZM tow if $\geq 99$ umhos/cm) <i>111</i>
Data collectors <i>Diane, Quita</i>		Lead Monitor phone and email <i>Daulton 715-685-2911</i>	Start time (~ 15 min) <i>1:30 PM</i>	End time (~ 15 min) <i>4:30 PM</i>	Total collector time (hrs x # collectors) <i>4x2=8 + 2.5x2=5 total=13hrs</i>	

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, guagga 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‡
<i>SS1</i>	<i>46.09338</i>	<i>089.41429</i>	<i>Y</i>		
<i>SS2</i>	<i>46.08739</i>	<i>089.41797</i>	<i>Y</i>		
<i>SS3</i>	<i>46.0721</i>	<i>089.41970</i>	<i>Y</i>		
<i>SS4</i>	<i>46.08720</i>	<i>089.41971</i>	<i>Y</i>		
<i>SS5</i>	<i>46.09290</i>	<i>089.41703</i>	<i>Y</i>		
<i>BL1</i>	<i>46.09390</i>	<i>089.41683</i>	<i>Y</i>		

*inlet N.  
- Red canopy = 3-4 note on map  
RCG = 1; smothered  
- 1 ac spot*

\*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	<del>16</del> 6'	"	50 cm	Y	Y	
2	"	"	"	Y	Y	
3	"	"	"	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
1	<del>16</del> 16	50 cm	Y	Y	
2	<del>14</del> 14	50 "	Y	Y	
3	<del>16</del> 16	50 "	Y	Y	

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 Fall meeting via J Hayes

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

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

Notes:

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7/15/14 meander + sampling

Lake Name L. Crooked	County Viles	WBIC 2335500	Date(s) 7/21/14	AIS sign? <input checked="" type="radio"/> Y <input type="radio"/> N	Secchi (ft or m) 8ft	Conductivity (ZM tow if $\geq 99$ umhos/cm) 111
Data collectors Diane, Quita		Lead Monitor phone and email Daulton 715-685-2911	Start time (~ 15 min) 1:30 PM	End time (~ 15 min) 4:30 PM	Total collector time (hrs x # collectors) 4x2=8 + 2.5x2=5 total=13hrs	

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SS1	46.09338	089.41429	Y		
SS2	46.08739	089.41797	Y		
SS3	46.0721	089.41970	Y		
SS4	46.08720	089.41971	Y		
SS5	46.09290	089.41703	Y		
BL1	46.09390	089.41633	Y		

inlet N.  
- Red crayfish = 3-4 notes on map 4  
RCG = 1; smartweed  
- 1 ac spot

\*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.
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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	6'	"	50 cm	Y	Y	
2	"	"	"	Y	Y	
3	"	"	"	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
1	16	50 cm	Y	Y	
2	14	50 "	Y	Y	
3	16	50 "	Y	Y	

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