AIS Early Detection Monitoring Data Form Need lat/long from map

Form 3200-xxx (R 6/2013)

Lake Name	County	WBIC	Secchi (ft or m)	Conductivity
Tomahawk	ONeida	1542700		
Date(s)	**Data collectors**	**Start time (nearest half hour)**	**End time (nearest half hour)**	**Total collector time**
6/4/2013	Anna Meyer, Paul Skawinski, Allissa Stutte	2:15	5:00	2.75

Look for the following species: Purple loosestrife, Phragmites, flowering rush, Hydrilla, Brazilian waterweed, Eurasian water-milfoil, curly-leaf pondweed, yellow floating heart, zebra mussel, quagga mussel, Chinese mystery snail, banded mystery snail, faucet snail, New Zealand mud snail, and any other AIS found.

STEP 1: Record locations of sampling sites (in decimal degrees). Sampling sites include all public boat landings (BL), 5 targeted 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. Label first five specimens collected with species, collector, date, lake name, WBIC and sampling site.

Site	Latitude	Longitude	Snorkel (Y or N*; if N, indicate why below)**	Species	Density (1-5)***
3 MS1	45.837607	-89.691870	N (practici[illegible])	[illegible] Mystery Snail	1
4 TS1	45.834680	-89.687355	N (too cold)	Chinese Mystery Snail	≥1
"			N (too cold)	Banded Mystery Snail	1
BL4	45.[illegible]	-89.690079	Y	CLP	1
BL4			Y	EWM	≥2
BL4			Y	CMS	1

***For lakes/sites not snorkeled, substitute:**

Boat landing site - 15 rake throws and 15 D-net samples

Targeted site - 5 rake throws and 5 D-net samples

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? (circle one)** stained water, turbid water, blue-green bloom, chemical treatment, other _____.

***** 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 3 sites: the deep hole (DH) and 2 other sites in water deeper than 15 feet (if possible).

Site	Depth sampled	Method (horizontal or oblique)	Net diameter (30 or 50 cm)	Ethanol added (Y or N)	Samples combined (Y or N)
1	@ 18ft	oblique	50	N	N

Step 3: Collect Veliger Tows from 3 sites; the deep hole (DH), outlet site (OS), and or downwind site (DS) in water deeper than 4 meters (if possible).

Site	Depth sampled	Net diameter (30 or 50 cm)	Ethanol added (Y or N)	Samples combined (Y or N)
1	12ft		N	

Step 4: Were voucher specimens submitted? Yes No (circle) If yes, where? (circle) Freckmann Herbarium, DNR Science Services, UW La Crosse, or Other_____

Step 4: Data was entered into SWIMS on 9/25/13 by Jennifer Stelter

Step 5: Data was proofed on 9/25/13 by Ryan Hatch

Notes:

AIS Early Detection Monitoring Data Form

Dnet/rake meander

Form 3200-xxx (R 6/2013)

Lake Name	County	WBIC	Secchi (ft or m)	Conductivity
Tomahawk	Oneida		16	100
Date(s)	**Data collectors**	**Start time (nearest half hour)**	**End time (nearest half hour)**	**Total collector time**
6/4/13	Jeni S. Ryan Mohr Adam S. Logan B.	2:45	5	

Look for the following species: Purple loosestrife, Phragmites, flowering rush, Hydrilla, Brazilian waterweed, Eurasian water-milfoil, curly-leaf pondweed, yellow floating heart, zebra mussel, quagga mussel, Chinese mystery snail, banded mystery snail, faucet snail, New Zealand mud snail, and any other AIS found.

STEP 1: Record locations of sampling sites (in decimal degrees). Sampling sites include all public boat landings (BL), 5 targeted 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. Label first five specimens collected with species, collector, date, lake name, WBIC and sampling site.

Site	Latitude	Longitude	Snorkel (Y or N*; if N, indicate why below)**	Species	Density (1-5)***
BL1	45.48.932	-89.41.464	Y	BMS	4
~~MS1~~			Y	~~EWM~~	~~2~~
(1) MS2	45.49.459	-89.41.425		EWM	3
(2) MS3	45.49.420	-89.41.495		BMS	2
2m TS1	45.49651	-89.40.977	Y	BMS	3

Visual

***For lakes/sites not snorkeled, substitute:**

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Targeted site - 5 rake throws and 5 D-net samples

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? (circle one)** stained water, turbid water, blue-green bloom, chemical treatment, other _____.

***** Density Ratings**

1 – A few plants or invertebrates
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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 3 sites: the deep hole (DH) and 2 other sites in water deeper than 15 feet (if possible).

Site	Depth sampled	Method (horizontal or oblique)	Net diameter (30 or 50 cm)	Ethanol added (Y or N)	Samples combined (Y or N)
1	70'	O	50		

Step 3: Collect Veliger Tows from 3 sites; the deep hole (DH), outlet site (OS), and or downwind site (DS) in water deeper than 4 meters (if possible).

Site	Depth sampled	Net diameter (30 or 50 cm)	Ethanol added (Y or N)	Samples combined (Y or N)
TS1	9'	50		

Step 4: Were voucher specimens submitted? Yes No (circle) If yes, where? (circle) Freckmann Herbarium, DNR Science Services, UW La Crosse, or Other_____

Step 4: Data was entered into SWIMS on 9/25/13 by Jennifer [illegible]

Step 5: Data was proofed on 9/25/13 by Ryan Motiff

Notes: