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AIS Early Detection Monitoring Data Form

Form 3200-xxxx (R 6/2013)

Lake Name Hemlock slough	County Suamico	WBIC 1288100	AIS sign? <input checked="" type="radio"/> Y <input type="radio"/> N	Secchi (ft or m) ✓	Conductivity (ZM tow if ≥ 99 umhos/cm)
Date(s) 7/10/13	Data collectors Jeanne Scherer Cody Rebeschke	Start time (nearest 15 min) 12:45	End time (nearest 15 min) 3:00 2:45	Total collector time (hrs x # collectors) 4 hr	

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, didymo, water flea, 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. Collect five new invasive plant specimens, 20 Dreissenids, and 30 of each snail species and label with species, collector, date, lake name, WBIC and sampling site.

Site	Latitude	Longitude	Snorkel (Y or N)	If N snorkel, indicate why†	Species, density 1-5‡
✓ BL1	43.59104	90.14297	N	test algae	MS(3) CLP(3)
✓ vms1	43.59042	90.143300			CLP(3)
✓ TS1	43.58944	90.14414	N	heavy vertical growth	CLP(3)
✓ MS2	43.58952	90.14475			CLP(2)
✓ TS2	43.58980	90.14520	N		
✓ TS3	43.59009	90.14699	N		CLP 1
✓ MS3	43.58881	90.14600		not put in swims	Photo Terrestrial plant
✓ MS4	43.58867	90.14520			potential yellow iris - buds no bloom
✓ MS5	43.58847	90.14465			" "
✓ TS4	43.58967	90.14195	N	turbid	CLP(2)
✓ TS5	43.59101	90.14209			Potential yellow iris (1), CLP(3), MS(1) 7/10/13

* 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

Handwritten notes: 3, 1.47, 3.5, 3.5, 3/20

Step 2: Collect Waterflea Tows from 3 sites: the deep hole (DH) and 2 other sites in water deeper than 15 feet (if possible). Submit sample and Water Flea To Monitoring Reprt form to Science Services.

Cross path

Site	Depth sampled	Method (hor, obliq, vert)	Net diameter (30 or 50 cm)	Ethanol added (Y or N)	Samples combined (Y or N)	Sample sent to, date
DH1	1	horizontal	50	Y	Y	7/25/13
DH1	1	"	50	Y	Y	" "
DH2	1.5	"	50	Y	Y	" "

Step 3: Collect Veliger Tows from 3 sites; the deep hole (DH), outlet site (OS), and or downwind site (DS) in water depth of about 4 meters (if possible). Submit sample and Mussel Veliger Tow Monitoring Report form to Science Service.

Site	Depth sampled	Net diameter (30 or 50 cm)	Ethanol added (Y or N)	Samples combined (Y or N)	Sample sent to, date
DH1	5	50	Y	Y	7/25/13
DH1	5	50	Y	Y	" "
DH2	5	50	Y	Y	" "

Step 4: Were plant voucher specimens submitted? Yes No (circle) If yes, where? (circle) Freckmann Herbarium, Other Madison 10/31/2013

collected CLP

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 7/25/13 by Jeanne Scherer

Step 7: Data was proofed on _____ by _____

Notes: