AIS Early Detection Monitoring Data Form VALAM. Saggitarius _ boltz didnt fit post Form 3200-xxx (R 6/2013)						
Lake Name Pine	County	Polk	WBIC 2490400	AIS sign?	Secchi (ft or m) 16-FE	Conductivity (ZM tow if $\geq$ 99 umhos/cm) $6^{2}$
Date(s) 7/10/13	Data collectors	KH JW	Start time (nearest 15 (0・3つみへ	min) ^	End time (nearest 15 min) 2:00 PM	Total collector time (hrs x # collectors) $7 \text{ hrs}$

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 <sup>*</sup> )	If N snorkel, indicate why <sup>†</sup>	Species, density 1-5 <sup>‡</sup>
		:			
MS1	45 15,194	92 33 270			CLP = 1 plant
<del>1</del> 51	45 15.235	· 12 33. 292	4		
TS2	45 14.980	92. 33.521	Υ		
753	45 15 093	92 33.517	y.	-	
TSU	45 15 162	92 33 545	25		
755	45 15 151	92 33 720	y		
BLI	45 15 073	92 33 146	× ~	i	CMS=I shail
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\*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

<sup>+</sup>If lake/site was not snorkeled, indicate why: stained water, turbid water, blue-green bloom, chemical treatment, other (please describe).

## <sup>‡</sup> Density Ratings

1 – A few plants or invertebrates

2 - One or a few plant beds 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

3 – Many small beds or scattered plants or colonies of invertebrates

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.

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
1	34		50	Y	Ý	
à	21	Real R	50	Y	Y	
3	_\۲		50	Y	У	

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
					~

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 2/11/13 by

Step 7: Data was proofed on by

Notes: