

Data Collectors <i>Jim Hansen, Kristy Maki, Kendal Liebert</i>			Date <i>9-5-12</i>	
Lake Name <i>Nelson Lake</i>		County <i>Sawyer</i>		WBIC
Start Time	End Time	Secchi Depth	feet or meters (circle one)	Conductivity

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. List any other AIS found. **If sites not snorkeled, take 50 rake and D-net samples during meander survey. Record how many of the 50 samples have each AIS found in the "Count" spaces below.**

Did you snorkel the search sites? Y/N **If not, why? (circle one)** stained water, turbid water, blue-green bloom, chemical treatment, other _____

Rake/D-net counts: Species 1 _____ Count _____; Species 2 _____ Count _____; Species 3 _____ Count _____;
Species 4 _____ Count _____; Species 5 _____ Count _____; Species 6 _____ Count _____

STEP 1: Record locations of sites (in decimal degrees) using a GPS unit (datum WGS84). List AIS found at each site or record none. Collect a sample of any suspected AIS found.

Boat Landing#	<i>1</i>	Species	<i>Mystery Snails (banded, japonica)</i>	Latitude	<i>N46.07053</i>	Longitude	<i>W-91.44747</i>	Density (1-5)	<i>5, 1, 3</i>
Boat Landing#	_____	Species	_____	Latitude	_____	Longitude	_____	Density (1-5)	_____
Search Site#	<i>1</i>	Species	<i>Mystery Snails (banded)</i>	Latitude	<i>N46.07576</i>	Longitude	<i>W-91.45366</i>	Density (1-5)	<i>5?</i>
			<i>1/2 snorkel 1/2 rake</i>						
Search Site#	<i>2</i>	Species	<i>Mystery Snails (banded)</i>	Latitude	<i>N46.07664</i>	Longitude	<i>W-91.45744</i>	Density (1-5)	<i>5?</i>
			<i>rake + D-net</i>						
Search Site#	<i>3</i>	Species	<i>Mystery Snails (banded)</i>	Latitude	<i>N46.07526</i>	Longitude	<i>W-91.45672</i>	Density (1-5)	<i>5?</i>
			<i>rake + D-net</i>						
Search Site#	<i>4</i>	Species	<i>Mystery Snails (banded)</i>	Latitude	<i>N46.07513</i>	Longitude	<i>W-91.46517</i>	Density (1-5)	<i>5?</i>
Search Site#	_____	Species	_____	Latitude	_____	Longitude	_____	Density (1-5)	_____
Search Site#	_____	Species	_____	Latitude	_____	Longitude	_____	Density (1-5)	_____
Meander Survey#	_____	Species	_____	Latitude	_____	Longitude	_____	Density (1-5)	_____
Meander Survey#	_____	Species	_____	Latitude	_____	Longitude	_____	Density (1-5)	_____
Meander Survey#	_____	Species	_____	Latitude	_____	Longitude	_____	Density (1-5)	_____

Step 2: Label first five specimens collected with species, collector, date, lake name, WBIC and Location # Send your specimens to an expert for verification. Instructions on how to voucher specimens and a list of statewide taxonomy experts can be found at: <http://dnr.wi.gov/invasives/aquatic/whattodo/staff/>

Step 3: Collect Waterflea Tows from three sites around the lake in water deeper than 15 feet (if possible).

Method used: _____ horizontal tows (near surface) or _____ oblique tows (near bottom to surface if greater than 15 feet)
Diameter of plankton net mouth (circle one) 30cm 50cm other _____
Depth sampled: Tow 1 _____ ft Tow 2 _____ ft Tow 3 _____ ft
Has ethanol been added? Y/N Have samples been consolidated into one bottle? Y/N

Step 4: Collect Veliger Tows from three sites in 5-10 feet of water (within a meter of the bottom).

Guidelines: If Secchi depth is >4m take two 2m deep samples; if Secchi is between 2-4m take one 2m deep sample; if Secchi is <2m take one 1m tow.

Diameter of plankton net mouth (circle one) 30cm 50cm other _____
Has ethanol been added? Y/N Have samples been consolidated into one bottle? Y/N

Step 5: Data was entered into SWIMS on 9/10/12 by Erin Vennick-Vollrath
Date Name

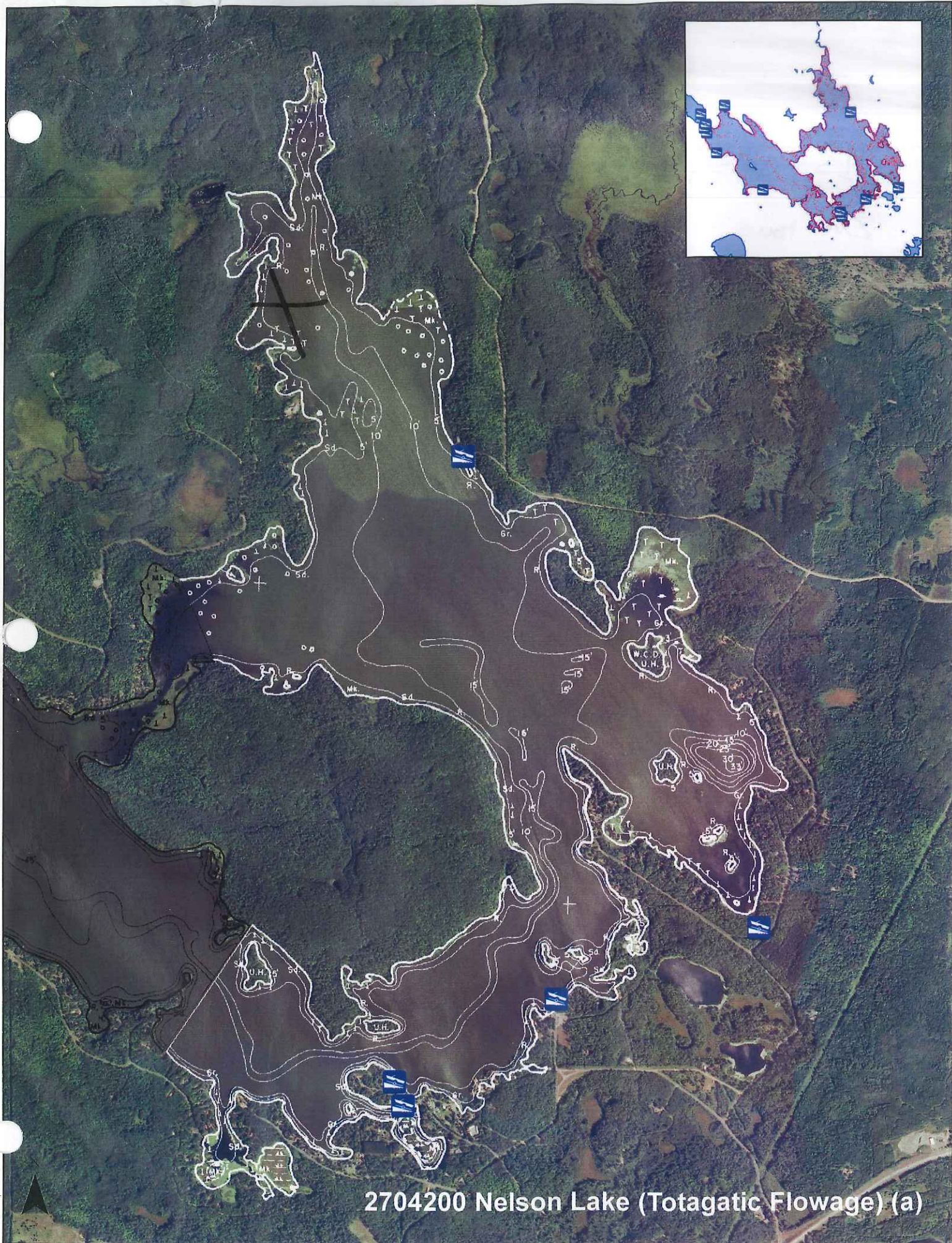
Notes:

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

General guidance on areas to search for the 10 minute quick snorkel search sites:

- Check rocks for zebra/quagga mussels, faucet snails and New Zealand mudsnails.
- Check around small backyard boat launches.
- Check near creek inlets (especially if AIS are found upstream).
- Check the stems of emergent vegetation for climbing faucet snails.
- Check areas downwind of large boat landings.



2704200 Nelson Lake (Totagatic Flowage) (a)



2704200 Nelson Lake (Totagatic Flowage) (b)