

Data Collectors <u>Scott Van Eggen, Jodie Lepsch, (Mark Sundeen, Erin Vanni)</u>		Date <u>8/23/2012</u>
Lake Name <u>Red Cedar</u>	County <u>Barron</u>	WBIC <u>2109600</u>
Start Time <u>8:40</u>	End Time <u>14:15 (1/2 of lake)</u>	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# <u>4</u>	Species <u>CMS, forget-me-not</u>	Latitude <u>45° 35.457</u> <small>(45.59095)</small>	Longitude <u>-91° 35.894</u> <small>(-91.598233)</small>	Density (1-5) <u>4, 2</u>
Boat Landing# <u>5</u>	Species <u>great crayfish, PL</u>	Latitude <u>45° 36.168</u> <small>(45.6028)</small>	Longitude <u>-91° 34.208</u> <small>(-91.58133)</small>	Density (1-5) <u>4, 1</u>
Search Site# <u>4</u>	Species <u>CMS snails</u>	Latitude <u>45° 34.770</u> <small>(45.5795)</small>	Longitude <u>-91° 35.289</u> <small>(-91.58815)</small>	Density (1-5) <u>1</u>
Search Site# <u>5</u>	Species <u>No AIS</u>	Latitude <u>45° 36.4331</u> <small>(45.607218)</small>	Longitude <u>-91° 34.920</u> <small>(-91.5821)</small>	Density (1-5) _____
Search Site# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
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Meander Survey# <u>1</u>	Species <u>PL</u>	Latitude <u>45° 36.492</u> <small>(45.6082)</small>	Longitude <u>-91° 35.720</u> <small>(-91.5953333)</small>	Density (1-5) <u>1</u>
Meander Survey# <u>2</u>	Species <u>PL</u>	Latitude <u>45° 36.352</u> <small>(45.605866)</small>	Longitude <u>-91° 35.534</u> <small>(-91.592233)</small>	Density (1-5) <u>2</u>
Meander Survey# <u>3</u>	Species <u>PL</u>	Latitude <u>45° 35.842</u> <small>(45.597366)</small>	Longitude <u>-91° 35.538</u> <small>(-91.5923)</small>	Density (1-5) <u>1</u>

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/>

Boat Landing 4 forget-me-not 45° 35.354 -91° 36.051 2
(45.589233) (-91.60085)

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 _____ by _____
 Date Name

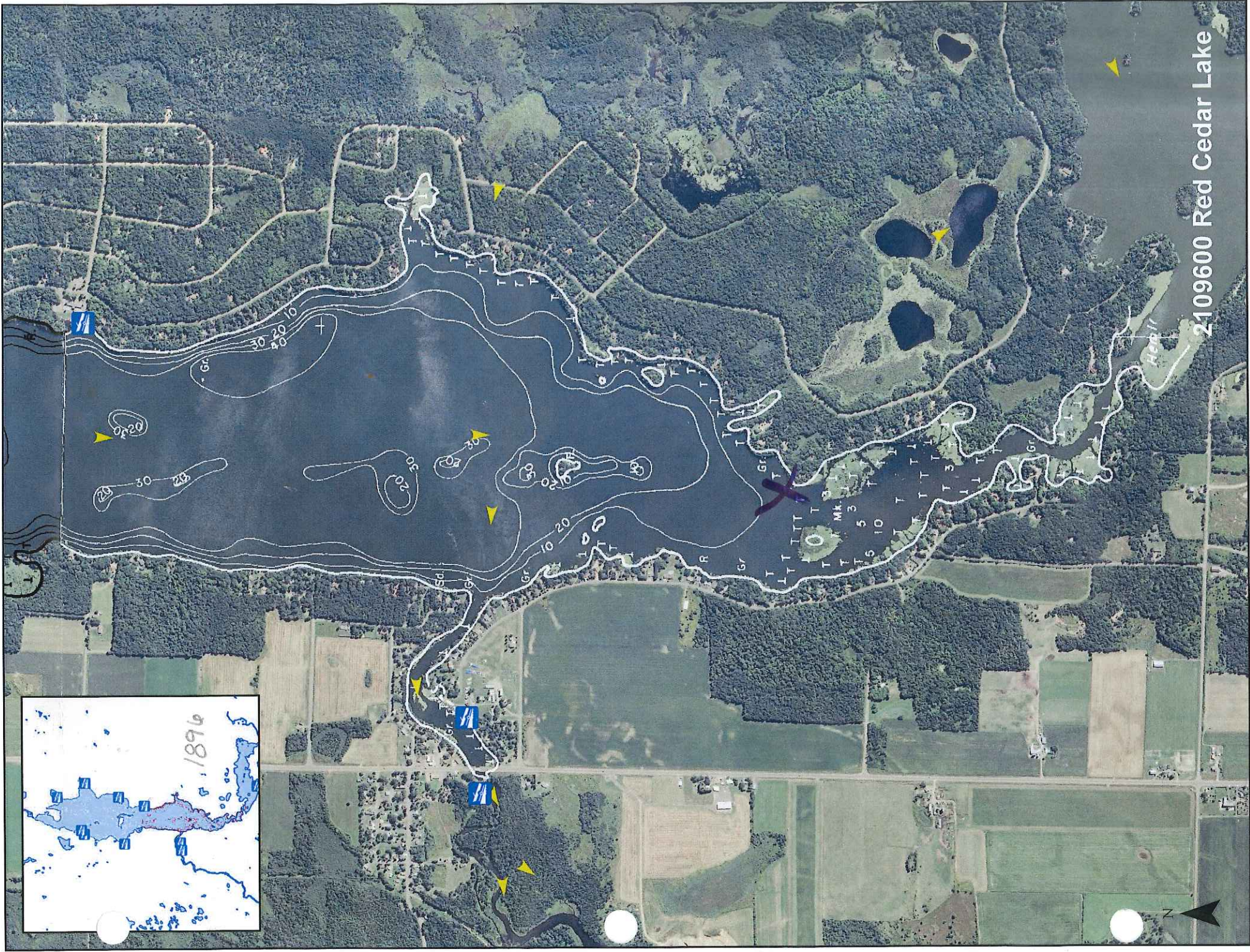
Notes:

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.



2109600 Red Cedar Lake