

Data Collectors Jodi Lepsch, Mark Sundeen, Erin Vennie-Vollrath			Date 8/8/12
Lake Name Amacoy Lake		County Rusk	WBIC 2359700
Start Time 9:10 am	End Time 11:40 am	Secchi Depth 2.5 @ 9:30 am <small>(feet or meters (circle one))</small>	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 CMS Count 1; 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# 1 Species _____ Latitude 45.39956 Longitude -91.31952 Density (1-5) _____

Boat Landing# _____ Species _____ Latitude _____ Longitude _____ Density (1-5) _____

Search Site# 1 Species CMS Latitude 45.39204 Longitude -91.32130 Density (1-5) 1

Search Site# 2 Species _____ Latitude 45.39427 Longitude -91.3499 Density (1-5) _____

Search Site# 3 Species _____ Latitude 45.40373 Longitude -91.30736 Density (1-5) _____

Search Site# 4 Species _____ Latitude 45.40459 Longitude -91.31018 Density (1-5) _____

Search Site# 5 Species _____ Latitude 45.40487 Longitude -91.31245 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/>

Dnet

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 8 ft Tow 2 8 ft Tow 3 9 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. *Not suitable*

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 8/14/12 by Erin Vennie-Volkath
 Date Name

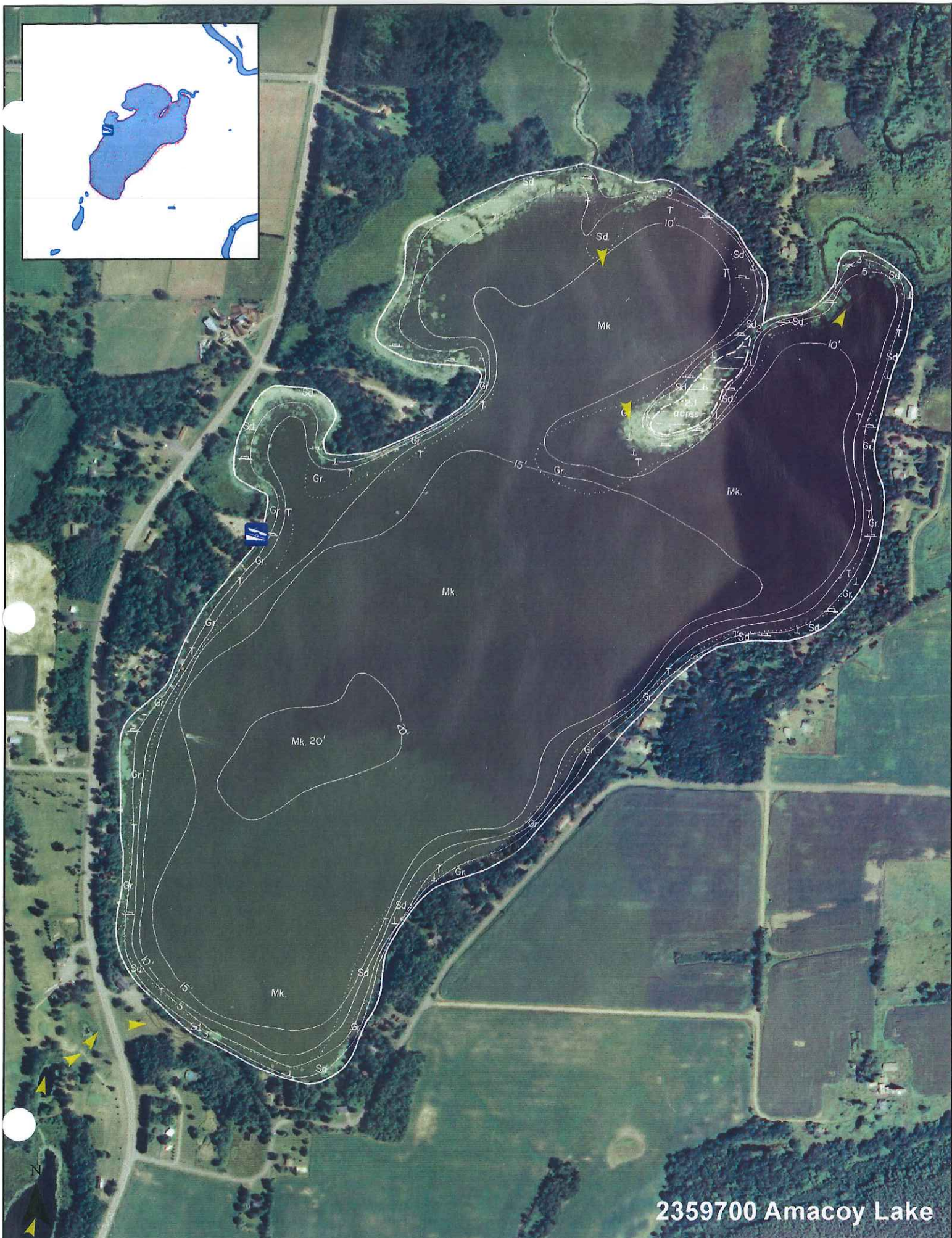
Notes:

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.



2359700 Amacoy Lake