AIS E: Detection Monitoring Data Form — Form 3200-xxx (R 6/2012)

Data Collectors			Date
Stettenbahl, Nordin, Hayer, Preuss			6-29-12
Lake Name Boulder		**County** Langlade / Oconto	**WBIC** 491800
Start Time 10:30	**End Time** 1:34	**Secchi Depth** 9 feet or meters (circle one) bottom	**Conductivity** 210

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.**

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.

National forest	Boat Landing# 1	Species BMS	Latitude 45.14137	Longitude -088.63979	Density (1-5) 2
private Campground	Boat Landing# 2	Species EWM	Latitude 45.15321	Longitude -088.62922	Density (1-5) 4
	Search Site# 1	Species BMS	Latitude 45.14212	Longitude -088.63745	Density (1-5) 2
	Search Site# 2	Species BMS	Latitude 45.14995	Longitude -088.63107	Density (1-5) 1
	Search Site# 3	Species none	Latitude 45.15598	Longitude -088.63334	Density (1-5) —
	Search Site# 4	Species BMS / EWM	Latitude 45.15173	Longitude -088.64218	Density (1-5) 2/1
	Search Site# 5	Species BMS/EWM	Latitude 45.14461	Longitude -088.64033	Density (1-5) 2/1
private Campground	~~Search Site#~~ Boat Landing 3	Species EWM (floater) non attached	Latitude 45.15470	Longitude -088.62902	Density (1-5) 1
	Meander Survey# 1	Species BMS	Latitude	Longitude	Density (1-5) 2
	Meander Survey# 2	Species BMD	Latitude	Longitude	Density (1-5) 2
	Meander Survey#	Species	Latitude	Longitude	Density (1-5)

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: Count 1 _____ Species 1 _____; Count 2 _____ Species 2 _____
Count 3 _____ Species 3 _____; Count 4 _____ Species 4 _____

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 68 ft Tow 2 82 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 7-3-12 (Date) by Matt Hager (Name)

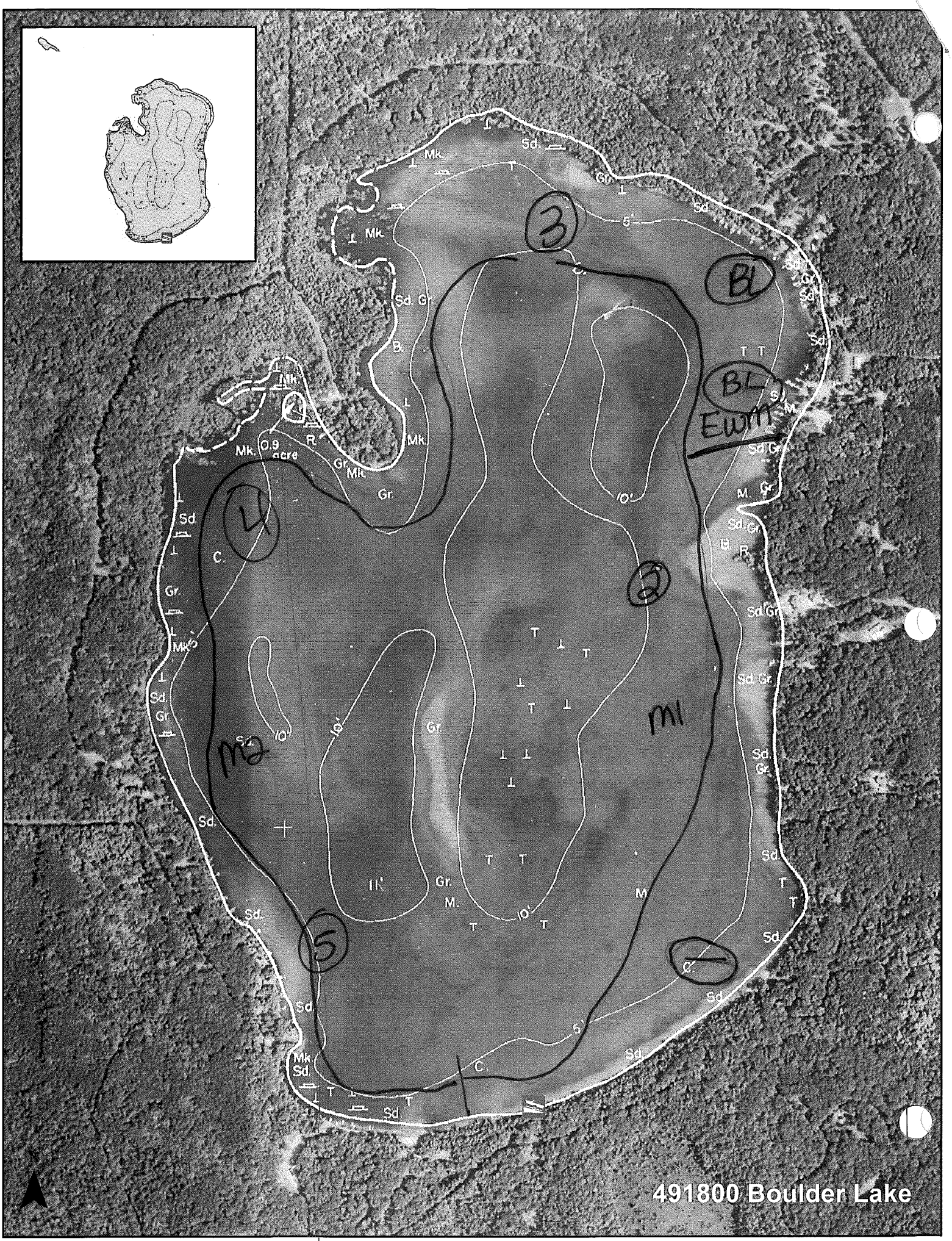
Notes:

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 ar[illegible] downwind of large boat landings.


491800 Boulder Lake