AIS Early Detection Monitoring Data Form

Form 3200-xxx (R 6/2012)

Data Collectors Matt Heger, Philip Grgic			Date 7-26-12
Lake Name Lily		County Forest	WBIC 376900
Start Time 9:15	End Time 12:50	Secchi Depth 4 feet or meters (circle one)	Conductivity 250

Green, Algae Filled lake

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.

Boat Landing# 1 Species None Latitude 45.42394 Longitude 88.84264 Density (1-5) —

~~Boat Landing#~~ SS1 1 Species None Latitude 45.42151 Longitude 88.83770 Density (1-5) —

Search Site# 2 Species None Latitude 45.42579 Longitude 88.83379 Density (1-5) —

Search Site# 3 Species None Latitude 45.42955 Longitude 88.83073 Density (1-5) —

Search Site# 4 Species None Latitude 45.43512 Longitude 88.83699 Density (1-5) —

Search Site# 5 Species None Latitude 45.43087 Longitude 88.83954 Density (1-5) —

Search Site# ____ Species ____ Latitude ____ Longitude ____ Density (1-5) ____

Search Site# ____ Species ____ Latitude ____ Longitude ____ Density (1-5) ____

Meander Survey# ____ Species ____ Latitude ____ Longitude ____ Density (1-5) ____

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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 X 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 22 ft Tow 2 25 ft Tow 3 21 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 8-17-12 (Date) by Matt Hager (Name)

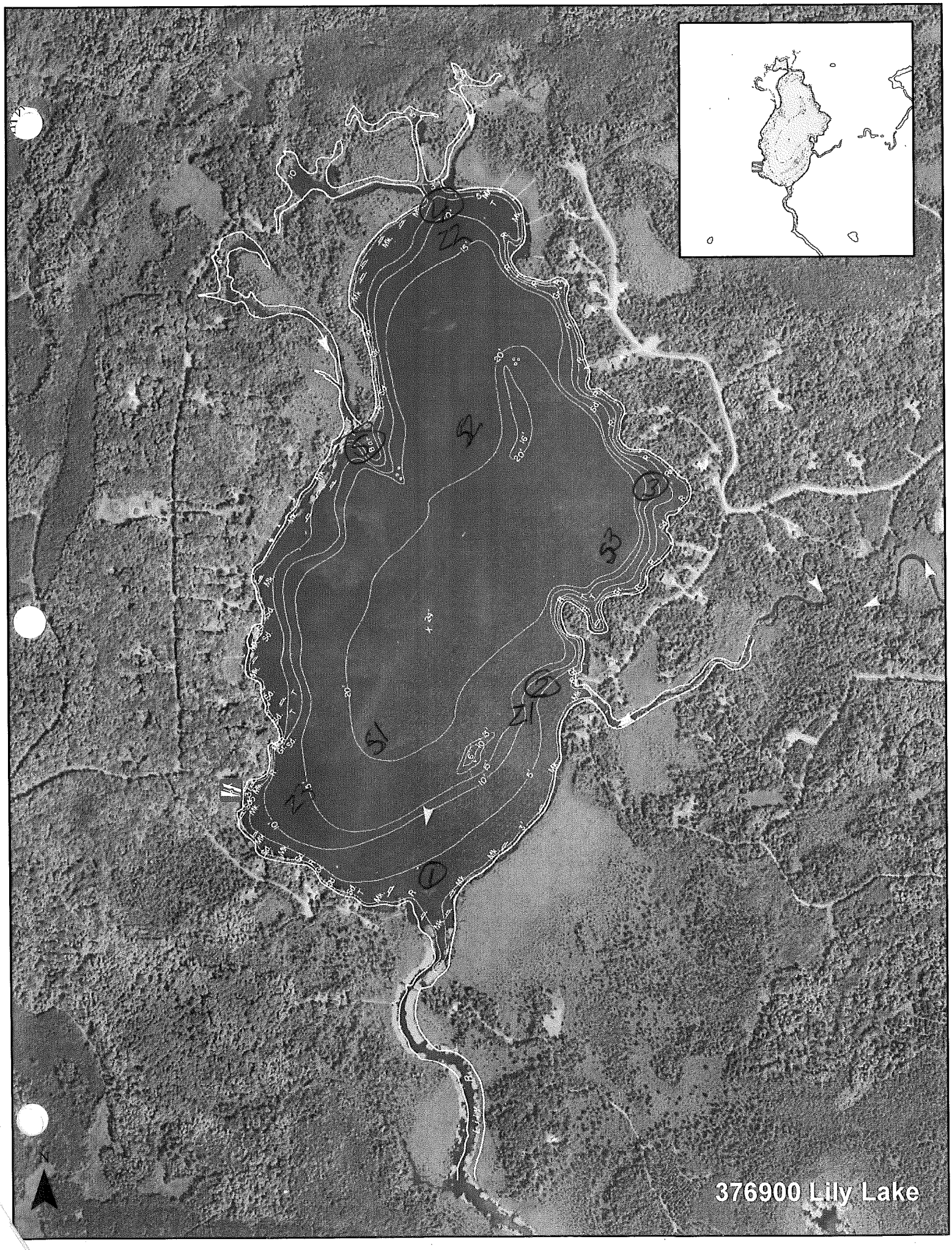
Notes:

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 a[illegible] downwind of large boat landings.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376900 Lily Lake