AIS Early Detection Monitoring Data Form   Form 3200-xxx (R 6/2012)

Data Collectors Scott Van Egeren, Erin Vennie-Vollrath			Date 8/21/12
Lake Name Lower Turtle lake		County Barron	WBIC 2079700
Start Time 13:50 pm	End Time 18:05	Secchi Depth 2 (feet) or meters (circle one)	Conductivity No meter

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 CLP turion Count ~~HH HH~~; Species 2 ______ Count ______; Species 3 ______ Count ______;
Species 4 JMS Count 1; 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.

Site	Species	Latitude	Longitude	Density (1-5)
NE Boat Landing# 1	No AIS → 1 CLP turion	45.388053	-92.071824	
SW Boat Landing# 2	1 JMS shell & 3 total CLP turions	45.39149	-92.07175	1
NE Creek Search Site# 1	lots CLP Turions	45.39644	-92.08547	
dev. shoreline Search Site# 2	No AIS	45.38948	-92.08036	
dev. shore w/ logs Search Site# 3	~~CMS~~ JMS	45.38413	-92.07549	1
Lily bay Search Site# 4	CLP turions	45.37896	-92.07020	
Search Site# 5	CLP turion	45.38338	-92.06779	1
Search Site#				
Meander Survey# 1	CLP turion	45.39460	-92.08425	1
Meander Survey# 2	grass - unknown			2
Meander Survey# 3	grass - unknown	45.38725	-92.06940	2

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/

D-net
HH HH HH
HH HH HH
HH HH III

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 14 ft Tow 2 14 ft Tow 3 11 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 8/30/12 (Date) by Erin Vennie-Vollrath (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.


N
2079700 Lower Turtle Lake