diverse plant community, sunny, calm, 90's

AIS Early Detection Monitoring Data Form

Form 3200-xxx (R 6/2012)

Data Collectors KH, JW			Date 7/5/12
Lake Name N. Twin	County Polk		WBIC 2623900
Start Time 10:46	End Time 2:45	Secchi Depth 14 (feet) or meters (circle one)	Conductivity 234.2

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# 1 Species [redacted] Latitude 45.19.055 Longitude 92.21.780 Density (1-5) ____

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

Search Site# 1 Species CMS Latitude 45.18.822 Longitude 92.21.982 Density (1-5) 1

Search Site# 2 Species CMS Latitude 45.18.716 Longitude 92.22.254 Density (1-5) 1

Search Site# 3 Species CMS Latitude 45.18.964 Longitude 92.22.246 Density (1-5) 1

Search Site# 4 Species CMS Latitude 45.19.074 Longitude 92.21.937 Density (1-5) 1

Search Site# 5 Species CMS Latitude 45.18.935 Longitude 92.21.869 Density (1-5) 1

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

Meander Survey# 1 Species Purple loosestrife Latitude 45.18742 Longitude 92.22.507 Density (1-5) 1 plant (medium, ~20 ramets)

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/

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 6m ~~ft~~ Tow 2 2m ~~ft~~ Tow 3 3m ~~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 7/10/12 (Date) by KH (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.