AIS Early Detection Monitoring Data Form

Form 3200-xxx (R 6/2013)

524 e.
9.93 miles shoreline
BLS, MS, PL
sunny 50's

| Lake Name | County | Data collectors | WBIC | AIS sign? | Secchi (ft or m) | Conductivity (ZM tow if ≥ 99 umhos/cm) |
|---|---|---|---|---|---|---|
| Katherine | Oneida | Ryan M. | 1543300 | (Y) N | 13 | 40 |
| Date(s) | | | Start time (nearest 15 min) | | End time (nearest 15 min) | Total collector time (hrs x # collectors) |
| 9/14/14 | | | 10:45 | | 3:30 | 9.5 |

**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, didymo, water flea, and any other AIS found.

**STEP 1:** Record locations of sampling sites (in decimal degrees). Sampling sites include all public boat landings (BL), 5 targeted sites (TS) and the meander survey sites (MS). List AIS found at each site or record none. Collect a sample of any new AIS found. Collect five new invasive plant specimens, 20 Dreissenids, and 30 of each snail species and label with species, collector, date, lake name, WBIC and sampling site.

| Site | Latitude | Longitude | Snorkel (Y or N)* | If N snorkel, indicate why† | Species, density 1-5‡ |
|---|---|---|---|---|---|
| PL1 | 45.80524 | -89.72065 | N | Cold | No ATS |
| M51 | 45.80174 | 89.71878 | N | Meander | PL(1) |
| M52 | 45.79118 | 89.71028 | N | | kinda weedy |
| SS1 | 45.79151 | 89.71160 | N | cold | Phragmites(1) |
| SS2 | 45.80166 | 89.70338 | N | | nothing |
| SS3 | 45.80472 | 89.71060 | N | | nothing |
| SS4 | 45.80938 | 89.69843 | N | Meander | No ATS |
| M53 | 45.81237 | -89.72177 | N | Meander | PL-1 |
| S5 | 45.81194 | -89.71471 | N | Cold | No ATS |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

**\* For lakes/sites not snorkeled, substitute:**

Boat landing site - 15 rake throws and 15 D-net samples OR 30 minutes, whichever comes first

Targeted site - 5 rake throws and 5 D-net samples OR 10 minutes, whichever comes first

50 meander sites - 10 rake throws and 10 D-net samples during meander survey between sampling sites for a total of 50 meander survey sites

**† If lake/site was not snorkeled, indicate why: stained water, turbid water, blue-green bloom, chemical treatment, other (please describe).**

**‡ 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

**Step 2:** Collect Waterflea Tows from 3 sites: the deep hole (DH) and 2 other sites in water deeper than 15 feet (if possible).  Submit sample and Water Flea To Monitoring Reprt form to Science Services.

| Site | Depth sampled | Method (hor, obliq, vert) | Net diameter (30 or 50 cm) | Ethanol added (Y or N) | Samples combined (Y or N) | Sample sent to, date |
|------|---------------|---------------------------|----------------------------|------------------------|---------------------------|----------------------|
|  | 7m |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**Step 3:** Collect Veliger Tows from 3 sites; the deep hole (DH), outlet site (OS), and or downwind site (DS) in water depth of about 4 meters (if possible).  Submit sample and Mussel Veliger Tow Monitoring Report form to Science Service.

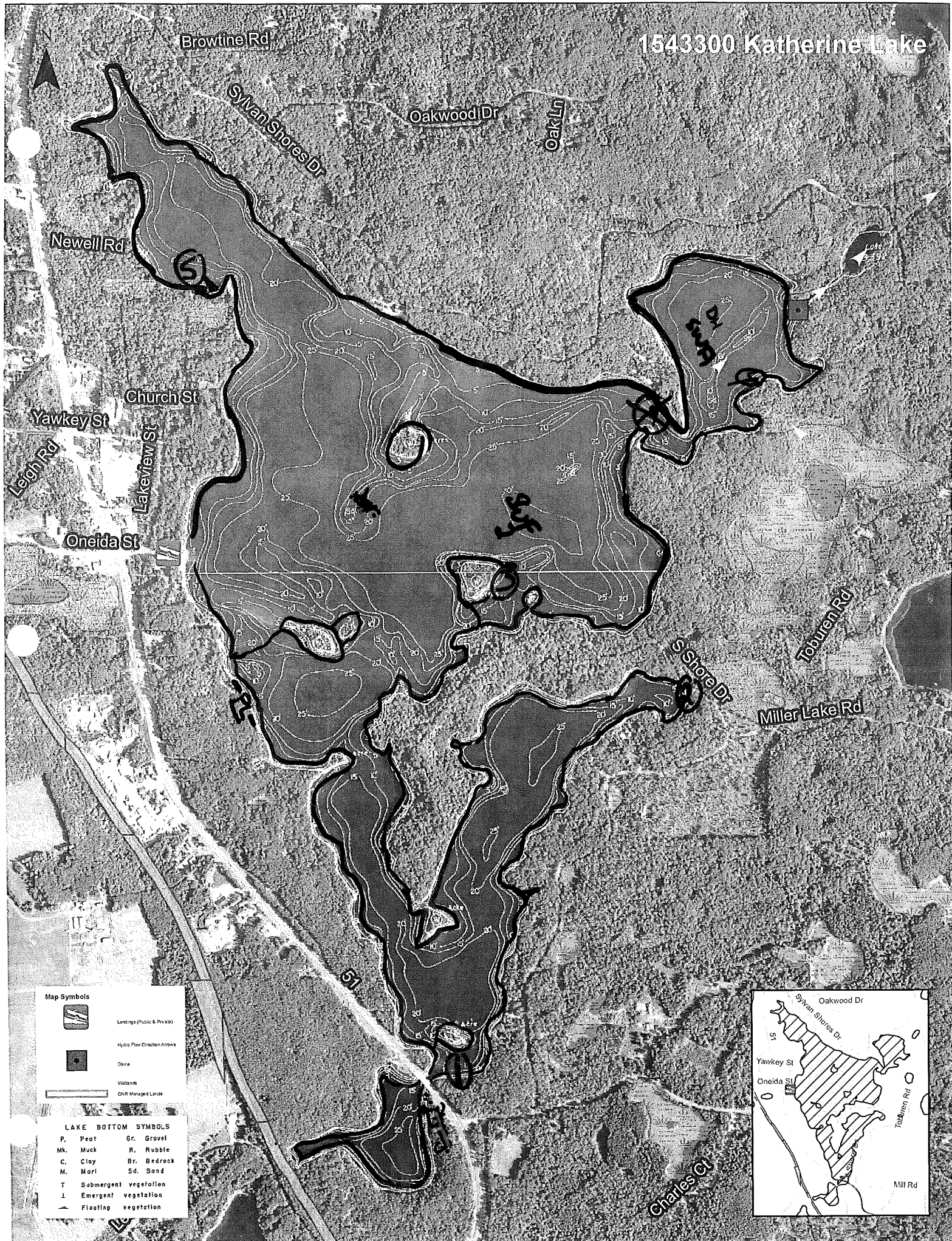| Site | Depth sampled | Net diameter (30 or 50 cm) | Ethanol added (Y or N) | Samples combined (Y or N) | Sample sent to, date |
|------|---------------|----------------------------|------------------------|---------------------------|----------------------|
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**Step 4:** Were plant voucher specimens submitted?  Yes   No (circle)  If yes, where?  (circle) Freckmann Herbarium, Other _____

**Step 5:** Were snail voucher specimens submitted (separate into Chinese, banded, all others)?  Yes   No (circle)  If yes, where?  (circle) UW La Crosse, or Other _____

**Step 6:** Data was entered into SWIMS on _____ 2/18/14 _____ by _____ Ryan Wersth _____

**Step 7:** Data was proofed on _____ 2/24/14 _____ by _____ Ryan Wersth _____

**Notes:**

# 1543300 Katherine Lake

Browtine Rd

Sylvan Shores Dr

Oakwood Dr

Oak Ln

Newell Rd

Church St

Yawkey St

Leigh Rd

Lakeview St

Oneida St

S Shore Dr

Toburen Rd

Miller Lake Rd

Charles Ct

51

## Map Symbols

Landings (Public & Private)

Hydro Flow Direction Arrows

Dams

Wetlands

DNR Managed Lands

## LAKE BOTTOM SYMBOLS

| | | | |
|---|---|---|---|
| P. | Peat | Gr. | Gravel |
| Mk. | Muck | R. | Rubble |
| C. | Clay | Br. | Bedrock |
| M. | Marl | Sd. | Sand |

T   Submergent vegetation
⊥   Emergent vegetation
⌐   Floating vegetation

### Inset map

Oakwood Dr

Sylvan Shores Dr

51

Yawkey St

Oneida St

Toburen Rd

Mill Rd