AIS Early Detection Monitoring Data Form

Form 3200-xxx (R 6/2013)

Lake Name	County	WBIC	AIS sign? Y (N)	Secchi (ft or m)	Conductivity (ZM tow if ≥ 99 umhos/cm)
Shay	Oconto	456765		N/A	N/A
Date(s)	**Data collectors**	**Start time (nearest 15 min)**		**End time (nearest 15 min)**	**Total collector time (hrs x # collectors)**
8/29/2013	Ken Dolata, Amanda Strick	11:00		1:30	5 hours

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‡
S1	N. 45.169227	W 88.297200	N	Water temp	10 rake tows, no AIS found
S2	N. 45.171029	W. 88.300243	N	" "	10 rake tows, no AIS found
S3	N 45.172918	W 88.303409	N	" "	10 rake tows, No AIS found
S4	N 45.172918	W 88.299026	N	" "	10 rake tows, No AIS found
S5	N. 45.172832	W 88.289408	N	" "	10 rake tows, No AIS found
BL	N 45.171802	W 88.295009	N	" "	10 rake tows, No AIS found

* Did Not have D-Nets

CMS Seemed well distributed around Lake

* Conducted 5 rake tows between each search site, no AIS detected

AIS Early Detection Monitoring Data Form

Form 3200-xxx (R 6/2013)

*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
1	5m					
2	10m					
3	12m					

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
1	5m				
2	7m				
3	9m				

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 10/3/13 by [illegible]

Step 7: Data was proofed on 10/7/13 by Jennifer Steltenpohl

Notes:

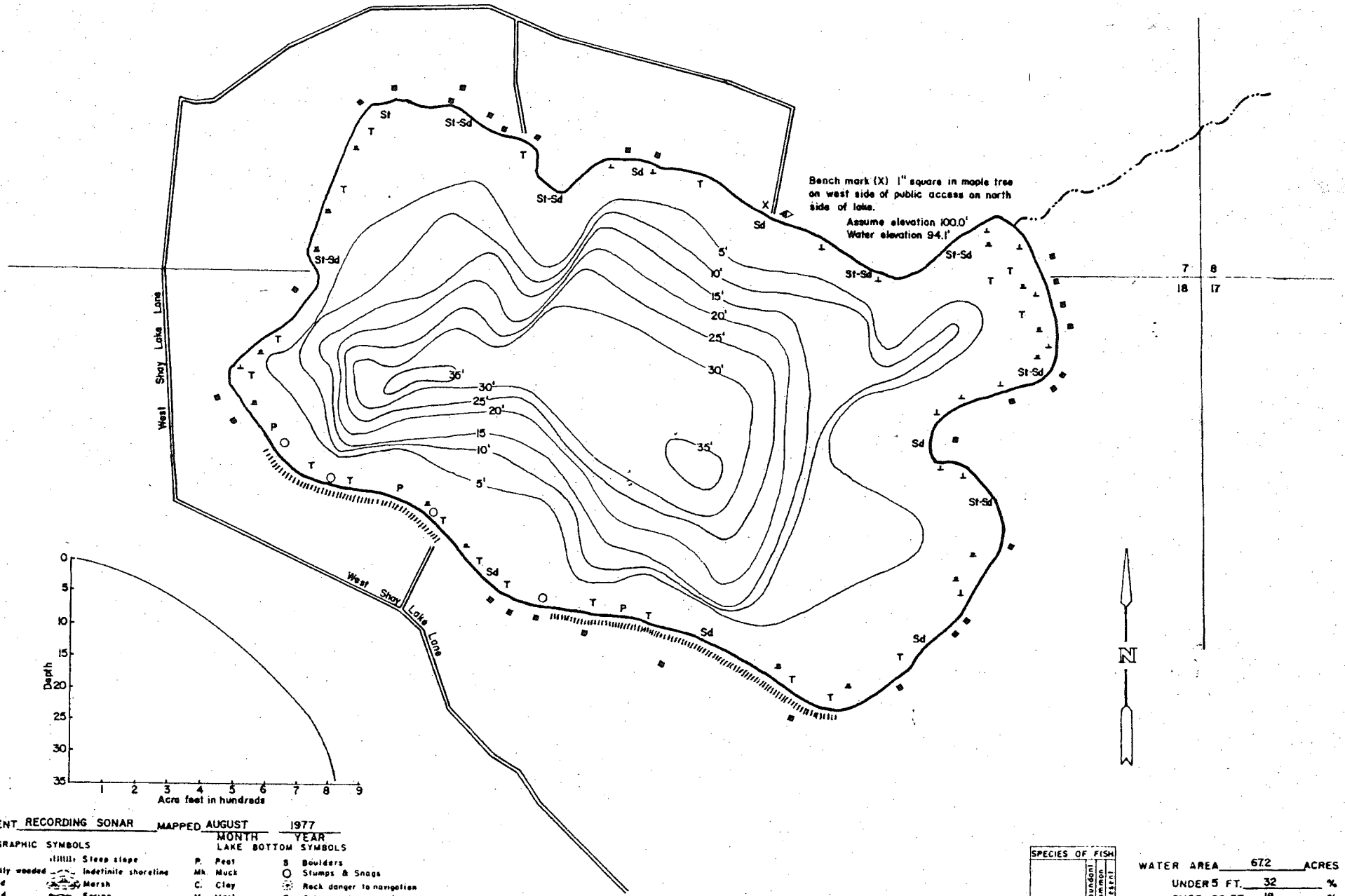
STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

LAKE SURVEY MAP

Shay

SHAY LAKE — OCONTO COUNTY

SEC. 7-18 T. 31 N. R. 18 E.W.



EQUIPMENT RECORDING SONAR MAPPED AUGUST (MONTH) 1977 (YEAR)

TOPOGRAPHIC SYMBOLS

- (B) Brush
- (PW) Partially wooded
- (W) Wooded
- (C) Cleared
- (P) Pastured
- (A) Agricultural
- B.M. Bench Mark
- Dwelling
- Resort
- Camp
- Steep slope
- Indefinite shoreline
- Marsh
- Spring
- Intermittent stream
- Permanent inlet
- Permanent outlet
- Dam
- D.N.R. State owned land

LAKE BOTTOM SYMBOLS

- P. Peat
- Mk. Muck
- C. Clay
- M. Marl
- Sd. Sand
- St. Silt
- Gr. Gravel
- R. Rubble
- Bt. Bedrock
- B Boulders
- Stumps & Snags
- Rock danger to navigation
- T Submergent vegetation
- Emergent vegetation
- Floating vegetation
- Brush shelters

200' 0 200' 400' 600' 800'
SCALE

◇ Access ◇ Access with Parking ◆ Boat Livery

Drawn by: W. Berwig
Field work by: D. Boese - J. O'Brien

SPECIES OF FISH	Abundant	Common	Present
Muskie			
N. Pike			
Walleye			
L.M. Bass		X	
S.M. Bass			
Panfish	X		
Trout			

WATER AREA 67.2 ACRES
UNDER 5 FT. 32 %
OVER 20 FT. 18 %
MAX. DEPTH 36 FEET.
TOTAL ALK. 86 P.P.M.
VOLUME 825 ACRE FT.
MAIN SHORELINE 1.5 MI.
ISLAND SHORELINE ____ MI.