

Data Collectors <i>Brian Cross, Tom Stetson</i>		County <i>Longado Nevada</i>	Date <i>8-1-12</i>
Lake Name <i>Upper Ast Lake</i>	End Time <i>9:40</i>	Secchi Depth <i>3.5</i>	WBIC
Start Time <i>9:40</i>	End Time <i>1:00</i>	Tree or meters (circle one)	Conductivity

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 _____ Latitude _____ Longitude _____ Density (1-5) _____

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

Search Site# 1 Species *None* Latitude *45.46332* Longitude *089.07383* Density (1-5) *1*

Search Site# 2 Species _____ Latitude _____ Longitude _____ Density (1-5) _____

Search Site# 3 Species *CMS* Latitude *45.46104* Longitude *089.07307* Density (1-5) *1*

Search Site# 4 Species *CMS* Latitude *45.46104* Longitude *089.07335* Density (1-5) *1*

Search Site# 5 Species *CMS* Latitude *45.45333* Longitude *089.07383* Density (1-5) *1*

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

Meander Survey# 1 Species *CMS / P1 / CLP / E / A / O / R* Latitude *45.46974* Longitude *089.08016* Density (1-5) *1111*

Meander Survey# 2 Species *Search Site 4 CMS* Latitude *45.46129* Longitude *089.08441* Density (1-5) *1*

Meander Survey# 3 Species *P1 / CMS* Latitude *45.47194* Longitude *089.08445* Density (1-5) *11*

Did you snorkel the search sites? Y/N If not, why? (circle one) stained water, turbid water, blue-green bloom, chemical treatment, other green scum on surface

Rake/D-net counts: Count 1 11 Species 1 *CMS*; 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 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 12 ft Tow 2 14 ft Tow 3 15 ft
Has ethanol been added? Y/N Have samples been consolidated into one bottle? Y/N

Step 4: Collect Veiliger 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 _____
Have samples been consolidated into one bottle? Y/N
Has ethanol been added? Y/N

Step 5: Data was entered into SWIMS on 8-17-12 by Walt Heeger
Date 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 as downwind of large boat landings.

Data Collectors <u>Matt Hoyer, Katrina Purzel</u>		County <u>Lampasde</u>	Date <u>8-1-12</u>
Lake Name <u>Upper Post</u>		Secchi Depth <u>2.05 ft</u>	WBIC <u>399200</u>
Start Time <u>9:30am</u>	End Time	feet or meters (circle one)	Conductivity

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# <u>1</u>	Species <u>CMS</u>	Latitude <u>45.44514</u>	Longitude <u>89.08161</u>	Density (1-5) <u>1</u>
Boat Landing# <u>2</u>	Species <u>RC</u>	Latitude <u>45.45598</u>	Longitude <u>89.08920</u>	Density (1-5) <u>1</u>
Search Site# <u>1</u>	Species <u>BMS, CMS, RC</u>	Latitude <u>45.44502</u>	Longitude <u>89.08362</u>	Density (1-5) <u>1/2</u>
Search Site# <u>2</u>	Species <u>NONE</u>	Latitude <u>45.46420</u>	Longitude <u>89.09735</u>	Density (1-5) <u> </u>
Search Site# <u> </u>	Species <u> </u>	Latitude <u> </u>	Longitude <u> </u>	Density (1-5) <u> </u>
Search Site# <u> </u>	Species <u> </u>	Latitude <u> </u>	Longitude <u> </u>	Density (1-5) <u> </u>
Search Site# <u> </u>	Species <u> </u>	Latitude <u> </u>	Longitude <u> </u>	Density (1-5) <u> </u>
Search Site# <u> </u>	Species <u> </u>	Latitude <u> </u>	Longitude <u> </u>	Density (1-5) <u> </u>
Meander Survey# <u>3</u>	Species <u>CLP, BMS</u>	Latitude <u>45.44328</u>	Longitude <u>89.08357</u>	Density (1-5) <u>1/1</u>
Meander Survey# <u>2</u>	Species <u>PL</u>	Latitude <u>45.46262</u>	Longitude <u>89.09723</u>	Density (1-5) <u>1</u>
Meander Survey# <u> </u>	Species <u> </u>	Latitude <u> </u>	Longitude <u> </u>	Density (1-5) <u> </u>

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/>