

clear, slight breeze

N & S Shoreline

Data Collectors <u>KH, JW</u>		Date <u>8/17/11</u>	
Lake Name <u>East/Lotus</u>		County <u>Polk</u>	WBIC <u>2616900</u>
Start Time <u>10:00 AM</u>	End Time <u>12:20 AM</u>	Secchi Depth <u>1</u> feet or meters (circle one)	Conductivity <u>179.8</u>

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.

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>Purple loosestrife (1)</u>	Latitude <u>45 20 366</u>	Longitude <u>92 36 016</u>	Density (1-5) _____
Boat Landing# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Boat Landing# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Search Site# <u>1</u>	Species <u>Common carp, Purple loosestrife<sup>2</sup></u>	Latitude <u>45 20 297</u>	Longitude <u>92 35 358</u>	Density (1-5) <u>2</u>
Search Site# <u>2</u>	Species <u>Purple loosestrife, Phragmites (1)</u> <small>macro leaf cattail &amp; 23 carp</small>	Latitude <u>45 20 135</u>	Longitude <u>92 35 322</u>	Density (1-5) <u>2</u>
Search Site# <u>3</u>	Species <u>Phragmites (4)</u>	Latitude <u>45 19 886</u>	Longitude <u>92 35 773</u>	Density (1-5) _____
Search Site# <u>4</u>	Species _____	Latitude <u>45 20 064</u>	Longitude <u>92 36 118</u>	Density (1-5) _____
Search Site# <u>5</u>	Species <u>Purple loosestrife (4)</u>	Latitude <u>45 20 370</u>	Longitude <u>92 35 721</u>	Density (1-5) _____
Search Site# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Meander Survey# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Meander Survey# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Meander Survey# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____
Meander Survey# _____	Species _____	Latitude _____	Longitude _____	Density (1-5) _____

Step 2: Label each specimen collected with species, collector, date, lake name, WBIC and Location #

Step 3: Data was entered into SWIMS on \_\_\_\_\_ by \_\_\_\_\_  
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 areas downwind of large boat landings.