

COOPERATIVE LAKE STUDY FIELD MONITORING SHEET

B			C
	65% <i>Scirpus fluviatilis</i> 20% <i>Phragmites australis</i> 10% <i>Urtica dioica</i> <1% <i>Cirsium arvense</i>	80% <i>Scirpus fluviatilis</i> 10% <i>Urtica dioica</i> 2% <i>Mentha arvensis</i> <1% <i>Laportea canadensis</i>	
	70% <i>Scirpus fluviatilis</i> 20% <i>Phragmites australis</i> 5% <i>Echinochloa</i> sp.	90% <i>Scirpus fluviatilis</i> 1% <i>Mentha arvensis</i> <1% <i>Polygonum amphibium</i>	
A			D

Location: Hights Bay Shallow Marsh (N42° 51' 47", W88°56'6.9") Date: 10-31-03
 Observers: Mike Halsted & Steve Hjort Water Level: 775.96 mls
 Conditions: Overcast, 50°F, SW winds from 5-15mph increasing.

Quad A: Increase or presence of *Phragmites australis* and *Echinochloa* sp. Reduction of *Scirpus fluviatilis* and *Iris versicolor*.

Quad B: Increase or presence of *Urtica dioica*, *Phragmites australis*, *Cirsium arvense* and *Rorippa sylvestris*. Reduction of *Polygonum amphibium*. Similar density of *Scirpus fluviatilis*.

Quad C: Increase or presence of *Scirpus fluviatilis*, *Urtica dioica*, *Mentha arvensis* and *Laportea canadensis*. Absence of *Polygonum amphibium*.

Quad D: Increase or presence of *Mentha arvensis* and *Polygonum amphibium* and *Scirpus fluviatilis*. Absence of *Phragmites australis*.

Notes: *Echinochloa* sp. and *Scirpus fluviatilis* colonizing area between plot and riprap. *Cirsium arvense* along plot boundaries possibly from human disturbance of observers. Exposed mudflat lakeward 20 feet from plot. Water less than 1 inch deep at 15' mark. Sparse *Scirpus validus* on mudflat lakeward from plot.