

Experiment Name	Location	Objectives	Value	Potential difficulties	Rough cost
Navigation access dredging and dredge spoil placement for wetland enhancement	Dredge area: North Shore launch ramp Placement area: Mud Lake shore	<ol style="list-style-type: none"> 1. Quantify rate of sedimentation in dredge areas 2. Demonstrate breakwater construction and cost 3. Evaluate habitat value of dredge spoil 	<p>Addresses a real immediate problem -- the breach of the shoreline adjacent to Mud Lake</p> <p>One project includes both dredging and wetland habitat creation</p>	<p>Landowner agreement</p> <p>competing desire for first dredging area</p> <p>relatively expensive -- fundraising</p>	\$200,000 to \$300,000
Reinstall carp barrier at mud Lake outlet	Approximately 200 yards upstream of Mud Lake outlet to Lake Koshkonong	Isolate Mud Lake from carp entering from Lake Koshkonong while allowing navigation access	<p>Protects most significant existing wetland/resource</p> <p>Will allow for barrier design refinement for application at other wetland entrances</p>	<p>Landowner agreement</p> <p>Objections regarding limitation of navigation</p> <p>Maintenance/policing</p>	\$40,000
Navigation access improvement at Bingham Bay	North "Oxbow" entrance to Lake Koshkonong	Provide protection to channel entrance at sand and gravel shoreline	Will demonstrate the effectiveness of keeping Lake entrances open	<p>Landowner agreement</p> <p>Relatively limited number of other locations that this experiment would apply to</p>	\$100,000 to \$150,000
Floating islands	Many potential locations -- off Main Lake in the open water areas of adjacent wetlands	Demonstrate value with respect to habitat and floating bogs stabilization	<p>Habitat value demonstration</p> <p>Potential demonstration of value for other locations</p> <p>Evaluate potential application to main body of Lake</p>	<p>Landowner agreement</p> <p>Installation access</p> <p>Difficulty in obtaining island materials at low cost</p>	\$20,000 to \$40,000, possible low-cost installation sponsored by island manufacturer
Shoreline protection demonstration	Volunteer homeowner on Lake or River, ideally several locations	<p>Provide demonstration of aesthetic, ecological and structural aspects of shoreline protection</p> <p>Identify range of approaches that property owners that could be demonstrated at other locations</p>	<p>Will demonstrate approval shore protection strategies and regulatory process</p> <p>Educational program for riparian owners</p>	<p>Identifying a homeowner willing to participate in costs and process</p> <p>Will require intense site-specific design effort specific to property owner, need to generalize applicable only</p>	Site-specific -- may range from \$10,000 to over \$50,000 per residential shoreline segment