












APPENDIX B

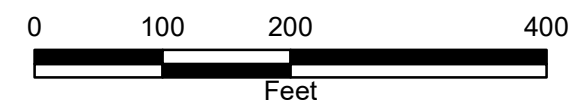
Mastodon Lake Concept Plan

Aurora, Illinois

Legend

-  Proposed Culverts
-  Existing Pier
-  Proposed Stone Outcrop
-  Proposed Canoe Launch
-  Turf Grass
-  Island Buffer
-  Emergent Wetland
-  Native Buffer Areas
-  Existing Storm Sewers

Data Source: Kane County
 Coordinate System: NAD 1983 StatePlane Illinois East FIPS 1201 Feet
 Projection: Transverse Mercator
 Datum: North American 1983
 Units: Foot US



Shoreline Stabilization Concepts

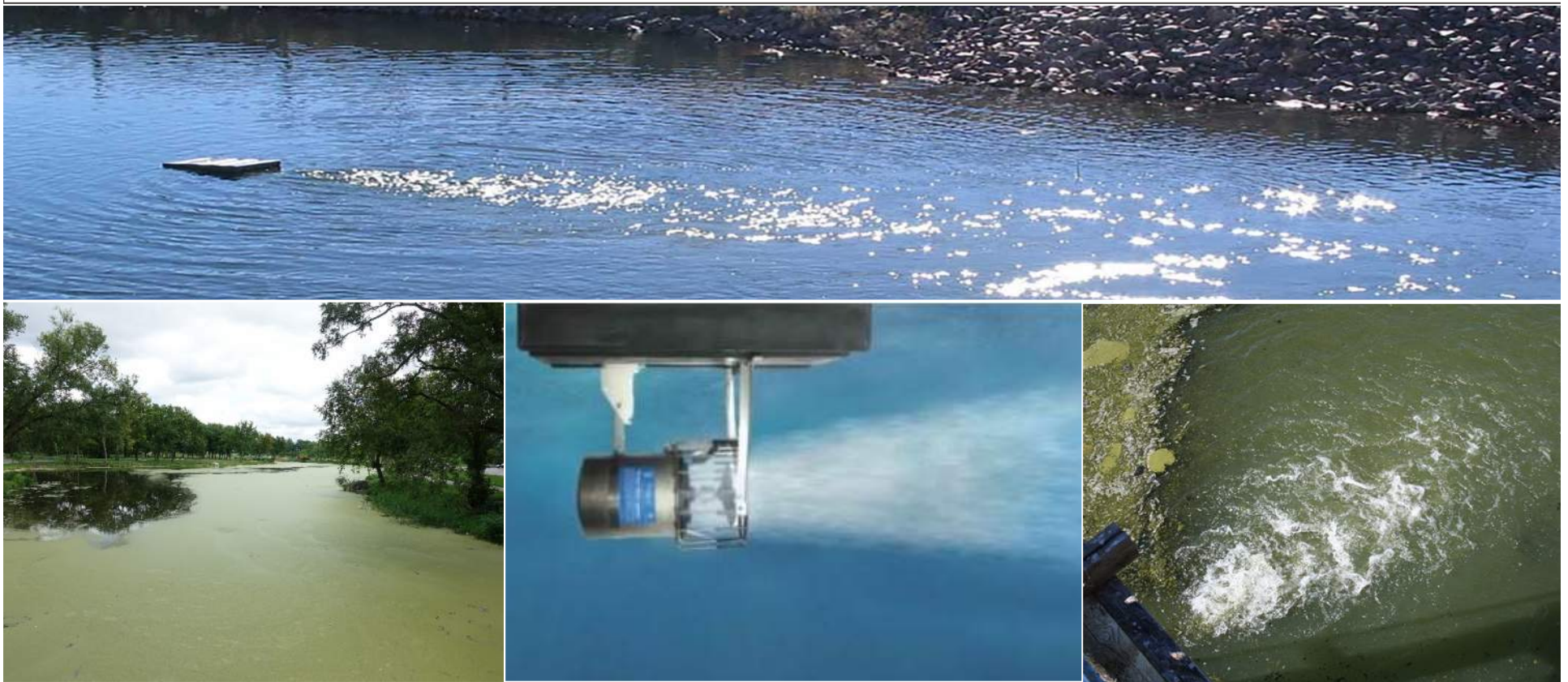


Representative Lake Circulation Options



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The reduction of floating duckweed and algal biomass is a high priority for aesthetic and water quality improvement. The selective addition and operation of floating and/or shallow water aerators and directional circulators is recommended to provide and enhance laminar flow throughout the shallow lake and protected coves to limit duckweed and algal growth, particularly in open water areas. Several representative images are preliminarily provided below that include both electric and compressed air options. Selection and sizing would be completed during the design phase and a total installed cost is preliminarily estimated to range from \$30,000 to \$50,000 plus annual power and maintenance costs.



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