

## Recommended Best Management Practices and Cost to Support Improved Water Quality

Best Management Practice Model Category	Best Management Practice Technique	Estimated Construction Cost* \$2020 (+/- 50%)	Operational Costs (+/-50%)
Lake Sediment Management	Remove sediment by dredging to clay liner	\$1,300,000	Dredging would be required every 8 - 15 years
Goose Management	Densely plant shrubs on islands	\$15,000 (+ ongoing operational cost)	Includes resources to oversee management of measures including regulatory requirements for water quality
	Monitor and remove nests (within the rules of the <i>Migratory Birds Convention Act</i> )		
Land and Runoff Management	Plant shoreline buffer on land	\$100,000	
	Plant emergent vegetation in water at lake edge		
	Bio infiltration/rain garden/bioswale around main pavilion and boat pavilion		
Manage River Water to Fill Lake	Fill lake during low-turbidity /phosphorus periods	No Capital Cost	
Fertilizer Runoff Management	Use non-phosphorus fertilizer	No Capital Cost	
Bacteria Management	Re-landscape and dredge upper pond and stream area	\$500,000	
	Landscape taller plants/shrubs in staging area near pond		
<b>Total Estimated</b>		<b>Construction Cost</b> <b>\$1,915,000</b>	<b>Annual Operational Cost*</b> <b>\$100,000</b>

\*This is a rough order of magnitude that has not yet been fully assessed and will be further developed through the design process.