

Lake Oscawana - Restoration Program								
Management Action	Estimated Costs (in 2008 Dollars)	Proposed Timeline						5-Year Total
		2008	2009	2010	2011	2012	2013	
IN-LAKE NUTRIENT LOAD								
Alum P-Inactivation								
Sampling, bench tests, permitting	\$50,000.00		\$50,000					\$50,000
Implementation Costs	\$200,000.00			\$200,000				\$200,000
Operating Costs (post-monitoring)	additional water quality monitoring costs			\$1,000	\$1,000	\$1,000	\$1,000	\$4,000
Metric	Surface / bottom water TP concentrations, chlorophyll a concentrations and Secchi disk water clarity							
Artificial Circulation								
Design of System Costs	approx. \$10,000.00			\$10,000				\$10,000
Implementation Costs*	\$190,000.00			\$190,000				\$190,000
Operating Costs (per month of operation -- Elec. / Maint.)	\$2,600 / month			\$15,600	\$15,600	\$15,600	\$15,600	\$46,800
* does not include any purchase of land, if required								
Metric	Oxic conditions (dissolved oxygen > 1 mg/L) in the bottom waters							
Selective Dredging Feasibility Analysis								
Conduct Bathymetric Survey / Generate Maps and Plan	approx. \$15,000.00 total			\$7,800				\$7,800
Collect Sediment Samples from three sites				\$7,200				\$7,200
Metric	Quantification and Qualification of Sediments							
VEGETATION MANAGEMENT								
Mechanical Harvesting								
New mechanical weed harvester	approx. \$90,000.00		\$90,000					\$90,000
Annual operating costs	approx. \$25,000.00		\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000
Metric	Acres harvested and aquatic plant biomass							
WATERSHED MANAGEMENT								
Stormwater								
Retrofitting of approx. 15 catch basins along West Shore Drive	\$90,000.00			\$45,000	\$45,000			\$90,000
Retrofitting of approx. 25-30 catch basins in northeast section	\$150,000.00				\$75,000	\$75,000		\$150,000
Installation of large BMP adjacent to Northview Beach	\$250,000.00						\$250,000	\$250,000
* assume maintenance by Highway Department								
Metric	Stormwater TP and TSS concentrations and calculated loads removed							
Biofilter								
New Lee Ave. Biofilter (planting, stabilization, possible retrofits)								
Initial cost to cleanup and some select plantings	approx. \$5,000.00		\$5,000					\$5,000
Design and implementation of biofilter project	Costs uncertain			?	?			
Metric	Stormwater TP and TSS concentrations and calculated loads removed							
Septic Management								
Formation of Septic Management District (including ordinances)	no initial costs	N/A	N/A					
Development of GIS-based database on septic zone of influence and watershed constraints**	approx. \$8,000.00			\$8,000				\$8,000
** does not include costs to compiling and digitizing paper database on existing septic systems								
Metric	Development of district and establishment of regulatory goals; watershed-based GIS database on septic systems							
PROGRAM MANAGEMENT								
Retainer for Limnologist to advise Town and Monitor Program	approx. \$8,500.00		\$8,500	\$8,500	\$8,500	\$8,500	\$8,500	\$42,500
Progress - consulting correspondence, public meetings, seeking and applying for grants and other sources of funding								
TOTALS - Annual and Grand		\$0	\$178,500	\$302,500	\$370,100	\$125,100	\$300,100	\$1,276,300