

Table 12-2. Water Quality Management and Flood Control 10-Year Capital Improvements Program¹⁷

Map ID #	Water Quality Improvement Option ¹	Capital Cost ²	Year										
			2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Medicine Lake													
ML-1 ³	Construct wet detention pond for subwatershed BC94B1 (Option 8 in Medicine Lake Plan)	\$0											
ML-2	Reduce Goose Loadings by 75% (Option 17 in Medicine Lake Plan)	\$102,500			\$34,170	\$34,160	\$34,170						
ML-3 ⁴	Reroute flows from subwatershed BC94 to a larger wet detention pond for BC92 (Option 9a in Medicine Lake Plan) & dredging of accumulated sediment	\$104,100				\$90,200	\$13,900						
ML-4 ⁴	Medicine Lake East Beach wet detention pond for subwatershed BC107 (Option 11 in Medicine Lake Plan) & dredging of accumulated sediment	\$0											
ML-5 ^{4,5}	Construct wet detention pond for subwatersheds BC98, BC98A and BC98B (Option 10a in Medicine Lake Plan) & dredging of accumulated sediment	\$0											
ML-6	Construct wet detention pond for subwatershed BC94B2 (Option 6 in Medicine Lake Plan)	\$10,800						\$10,800					
ML-7	In-Lake Herbicide Treatment (Option 18 in Medicine Lake Plan)	\$215,000		\$105,000	\$110,000								
ML-8	Lakeview Park Pond	\$0											
ML-11 ¹⁷	Medicine Lake Park Pond	\$900,000				\$200,000	\$250,000	\$300,000	\$150,000				
Parkers Lake													
PL-6	Improvements to stormwater basin in PL-A13 near Circle Park (from the City of Plymouth's Parkers Lake Implementation Plan)	\$56,000		\$56,000 ¹⁵									
Wirth Lake													
WTH-1 ^{6,7}	Dredging subwatershed FR-5 detention pond (Option 2 in Wirth Lake Plan)	\$44,000	\$44,000										
WTH-2 ⁷	Highway 55 detention pond (Option 3 in Wirth Lake Plan)	\$165,000	\$165,000	75,600									
WTH-3 ⁷	In-lake alum treatment (Option 1 in Wirth Lake Plan)	\$45,000	\$45,000										
Sweeney Lake													
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Twin Lake													
TW-1	Pond Expansion (Option 1 in Twin Lake Plan)	\$140,000		\$140,000 ¹⁶									
Westwood Lake													
WST-1 ⁸	Flag Avenue detention/skimming facility (Option 1 in Westwood Lake Plan)	\$312,000		\$232,000	\$80,000								
Bassett Creek Park Pond													
-- None - see Table 2. Potential Future Water Quality Capital Improvement Projects													
Northwood Lake													
NL-1 ⁹	Construct ponds NB-35A,B,C AND NB-29A,B (Option 4 in Northwood Lake Plan)	\$74,300											
NL-2	Dredge pond NB-07 (Option 2 in Northwood Lake Plan)	\$725,700						\$241,900	\$241,900	\$241,900			
NL-3	Divert Lancaster Lane storm sewer (Option 3 in Northwood Lake Plan)	\$45,200								\$45,200			
NL-4 ¹⁰	Construct ponds NB-36A, NB-37A, NB-38A, & NB-28A, B (Option 5 in Northwood Lake Plan)	\$182,700	\$182,700										
NL-7 ¹⁷	Construct pond adjacent to creek	\$107,250				\$107,250							
Bassett Creek Main Stem													
BC-1 ¹¹	Pond BC 10-3 (Option 4 in Bassett Creek Main Stem Plan)	\$0											
Grimes, North, & South Rice Ponds													
GR-2 ¹²	Grimes Pond wet detention pond (Option 4 in Rice and Grimes Ponds Plan)	\$80,000				\$80,000							
Crane Lake													
CL-1	Ramada Inn detention/skimming facility (Option 1 in Crane Lake Plan)	\$89,100										\$89,100	
CL-2	Joy Lane Wet Detention Pond (Alt. #2)	\$85,100										\$85,100	
Turtle Lake													
-- None - see Table 2. Potential Future Water Quality Capital Improvement Projects													
Lost Lake													
-- None - see Table 2. Potential Future Water Quality Capital Improvement Projects													

- NOTES:**
- Other potential projects that the cities may implement will be evaluated at the time the projects become more definite
 - Capital Cost does not include land acquisition costs, but does include legal, administration, and 25% additional for contingencies. All costs are in 2003 dollars.
 - Already constructed.
 - This project includes dredging of accumulated sediment, as recommended by the City of Plymouth's *Medicine Lake Watershed Implementation and Management Plan* and will be constructed in 2004. The total project cost is estimated to be \$880,100.
 - MnDOT sound wall construction in New Hope will require relocation & resizing of storm sewer in this watershed, which could lead to City of New Hope participation in this project.
 - The BCWMC will consider including repair of the existing control structure as part of the feasibility study for this project.
 - Project costs may be offset by contribution from Mn/DOT's \$150,000 LCMR grant.
 - The City of St. Louis Park supports a scaled-down, less costly project that includes park and playground improvements. The city staff agrees with the BCWMC's proposed schedule, but suggests re-evaluation of the BCWMC's water quality goal for Westwood Lake.
 - The City of New Hope has constructed NB-35A, B, C, but not to the same degree as proposed in the lake and watershed management plan. NB-29A & B have not been constructed. These improvements will need to be re-evaluated as part of the feasibility study. Costs shown are for NB-29A & B only. Costs will be added to the CIP to upgrade these ponds if the feasibility study indicates that they should be upgraded.
 - The City of New Hope has already constructed NB- 28A & B. The city will be constructing ponds NB-37A & NB-38A in the next year. Pond NB-36A may be constructed in conjunction with a church expansion project. These improvements will need to be re-evaluated as part of the feasibility study. Costs shown are for NB-36A, NB-37A & NB-38A only. If the city cannot wait until approval and adoption of the BCWMC Plan, immediate construction of the final phase of project NL-4 (NB-36A) will be in 2004. Reimbursement using the assessment process in the Joint Powers Agreement is being considered by the BCWMC.
 - This project was completed as part of the Boone Avenue and Brookview Golf Course improvement projects in 2004. Because the city has indicated that it cannot wait until approval and adoption of the BCWMC Plan, immediate construction of project BC-1 will be in 2004. Reimbursement using the assessment process in the Joint Powers Agreement is being considered by the BCWMC.
 - This project should be feasible as part of the City of Robbinsdale's street reconstruction project taking place in the near future.
 - Funding is from remaining flood control project construction funds (\$700,000). The floodproofing funds are proposed to be allocated as follows: 2003-\$100,000, 2004-\$200,000, 2005-\$300,000, 2006-\$100,000. These amounts are the BCWMC costs, assuming the BCWMC funds 72.5% of the floodproofing costs. See Table 5-2.
 - Estimated costs revised 2/1/06.
 - Project revised 12/15/05.
 - Plan Amendment approved 7/21/05
 - Proposed Minor Plan Amendment

Map ID #	Flood Control Improvement Option	Capital Cost ²	Year										
			2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
--	Flood proofing of homes along trunk system ¹³	\$400,000	\$0	\$0	\$0	\$0							
TOTAL ESTIMATED PROJECT COST		\$3,633,750	\$436,700	\$533,000	\$221,170	\$521,510	\$526,870	\$54,900	\$291,900	\$45,200	\$0	\$174,200	\$0