

# Plymouth Creek Stream Restoration

In 2004, the Minnesota Pollution Control Agency placed Medicine Lake on the impaired waters list as the available data indicated that Medicine Lake exceeded the state's narrative criteria for nutrients (total phosphorus (40 ug/l), chlorophyll-a (14 ug/l) and Secchi disc transparency (not less than 1.4 meters)) for the growing season mean. This listing mandates a plan, specifically a Total Maximum Daily Load (TMDL) plan, be put in place to reduce the loading of phosphorus into Medicine Lake to a level consistent with its beneficial or intended uses such as swimming, boating, fishing, and general aesthetics. The approved TMDL requires a 1,249 pound reduction of phosphorus loading annually to Medicine Lake to meet the State's goals.

The Plymouth Creek Stream Restoration project repaired erosion and protected the streambank from further degradation through the use of bioengineering techniques and traditional rip-rap. Water quality monitoring indicates that when combined with the Plymouth Creek Water Quality Ponds Project, more than 1,000 pounds of phosphorus are prevented from reaching Medicine Lake annually. The Plymouth Creek Stream Restoration Project was located generally from West Medicine Lake Park to 26<sup>th</sup> Avenue North.

This project was funded by the Bassett Creek Watershed Management Commission, Minnesota Board of Water and Soil Resources through the Clean Water Legacy Fund, Hennepin County, and the City of Plymouth.

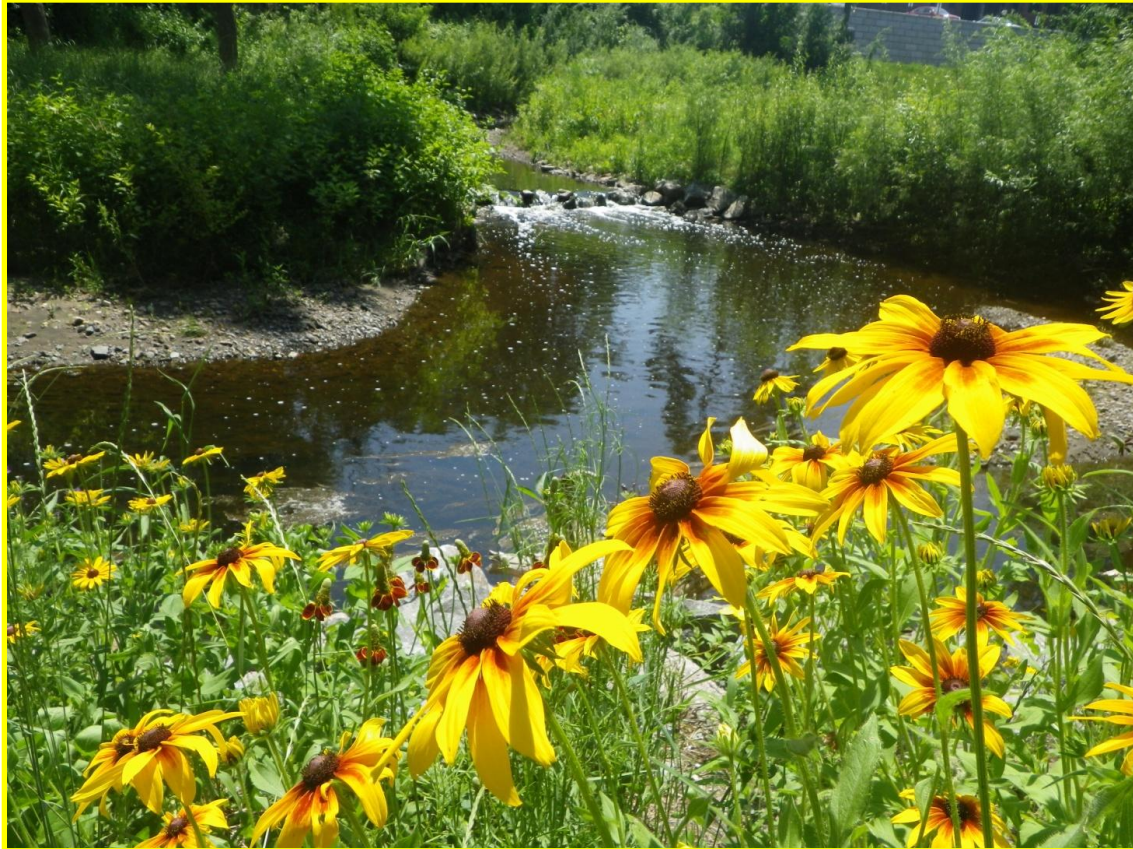
BEFORE



CLEAN  
WATER  
LAND &  
LEGACY  
AMENDMENT



AFTER



Funding:      Bassett Creek Watershed Management Commission  
                 Minnesota Board of Water and Soil Resources through the Clean Water Legacy Fund  
                 Hennepin County  
                 City of Plymouth