

Birch Lake Shoreline Restoration



Identified in the Birch Lake Sustainable Management Plan, the shoreline restoration on Birch Lake was chosen as a cost-effective means of further protection for the Lake



The project consisted of clearing and replanting with deep-rooted native vegetation that withholds soil for a stable shoreline to withstand erosion

The shoreline now acts as an attractive native setting for wildlife, and provides a nice spot for fishing

Central Middle School Infiltration Basin



The parking lot at Central Middle School was identified as an area where an infiltration swale could be installed to drastically decrease the amount of stormwater that outlets to Lambert Creek



An infiltration swale is a long and narrow strip of land that infiltrates stormwater runoff from rain events into the ground, instead of "running off" into, and polluting surface waters

The swale was transformed from a turf strip, into an infiltration basin with an underground storage chamber to collect water from large rain events, and to slowly infiltrate into the surrounding soils



Goose Lake Bullhead Harvest



Project to drastically lower bullhead population, a rough fish species, to increase water quality

Rough fish stir up sediments in lakes, releasing nutrients that promote algal growth that can lead to decreased oxygen levels, and even fish kills



Since the removal of more than 16,000 pounds of bullhead, citizens say that the water clarity has improved



Several more years of sampling must be done to further assess effect on water quality

PROJECTS

VLAWMO projects are the in-ground products that are the result of monitoring, research, and planning. They are designed to improve, enhance, and protect the quality of our community's water resources.

To implement projects, VLAWMO partners with many organizations, most within the community, including: local government agencies, schools, individuals, and many more. VLAWMO uses its resources to install projects such as swales, shoreline and creek restorations, green roofs, raingardens, pond and channel improvements, and more.

Lambert Lake



Constructed in 2004, Lambert Lake is a man-made widening, or small "lake" on Lambert Creek to help reduce property flooding along County Road F and to reduce phosphorus loading into Vadnais Lake



The construction of Lambert Lake has opened up the feasibility for restoration projects on downstream Lambert Creek



New metal sheet pilings were installed in 2012 to replace the original plastic pilings that were showing signs of failure; new pilings were crucial to prevent a blowout and downstream damage to property and projects



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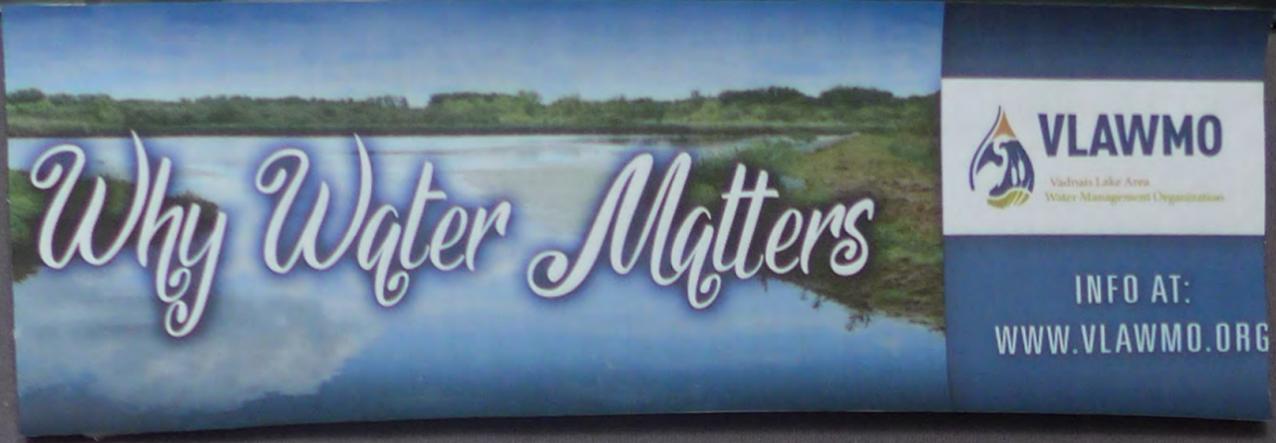


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