



Brown's Creek Watershed District 2010 Accomplishments

1. Long Lake Management Plan Implementation:
 - Reductions in subwatershed total phosphorous loading
 - a. Washington County HRA retrofits at Ann Brodlovich site in Marketplace area in Stillwater, MN – Completed 2010
 - b. Strategic Homeowner BMP projects
 - c. Joint participation in Stormwater Audit Program targeting Long Lake neighborhoods – completed pilot 2010
 - d. Herberger's Pond - Began monitoring performance of EcoStormPlus
 - e. BWSR Native Buffer Grant implementation along east shoreline on City of Stillwater parkland - continued to treat invasive species in 2010 to prepare for 2011 planting
 - f. North Marketplace Subwatershed Assessment to target BMPs with greatest cost benefit for P reduction

2. Brown's Creek
 - TMDL submitted to EPA for approval November 2010
 - TMDL Implementation Plan in progress
 - Received BWSR Clean Water Grant and installed water quality improvement project at the Stillwater Country Club – achieves 10% of TMDL TSS reduction goal
 - Met with landowners regarding Mendel Wetland Restoration
 - Continued conversations with Costas regarding Brown's Creek Streambank improvements
 - Submitted BWSR Grant for Oak Glen Golf Course Streambank and Buffer restoration – landowner consent
 - Designed Fish baffles for Hwy 95 and Hwy 96 culverts and began permitting

3. Diversion Drainage
 - Continued and expanded special monitoring of diversion drainage tributaries.
 - Completed an analysis of data to date to determine impact of diversion drainage on McKusick Lake.
 - Met with St. Anthony Falls Lab and Stillwater and developed scope for emerging water quality improvement practices within the diversion drainage area.

4. Rules/Permits - 21 Permits initiated in 2010:
 - Continue to use the Digital Inspection Program and Seasonal Permit Inspector.
 - Saw improvements in erosion control performance.
5. BCWD Homeowner BMP Cost-share Program:
 - 23 projects approved in 2009
 - Generally one-year lag time between the technical assistance/Board approval and the homeowner installation of BMP

	2006	2007	2008	2009	2010
# Approved	2	18	17 (2 out)	23 (3 out)	22 (15 out)
# Installed	0	1-2006	1-2006 9-2007 3-2008	5-2008 4-2009	6-2010
# Declined	0	5-2007	6-2008	1-2009	4-2007 4-2009
Subwatershed	Long	Long	Long Lake Diversion	Long Lake Brown's Creek Bass Lake West Diversion St Croix River	Long Lake Brown's Creek Diversion St Croix River

6. LGU/Community BMP Cost-share Program
 - Oak Glen Neighborhood – Stillwater cost-share for 20 raingardens with drainage to Brown's Creek
7. Groundwater Dependent Natural Resource Protection
 - Began Groundwater Monitoring Program Development
 - Implementing Comprehensive Management Plan for Fen in Grant, MN – all approvals received to repair breach in historic street car line in spring 2011
8. Lake Management Plan Development:
 - Masterman Lake Management Plan – met with stakeholders and residents, before Board for approval December 2010
 - Woodpile Lake Management Plan – began plan development and data gathering
9. Capital Improvement Project Maintenance:
 - Continue to conduct project monitoring and maintenance on the capital improvement projects, which include the Kismet Basin project, the Trout Habitat Preservation Project (THPP) and Kern Center Pond.
 - Studied flowage system from Kern Center pond to determine if additional volume control measures are necessary in the subwatershed.

10. Education:

- Shared Stormwater Educator Position – BCWD continues to help fund the Shared Stormwater Educator Position, which began in July 2006.
- BCWD participated in the Washington County Watershed District Fair Booth in August 2010.
- Citizen Advisory Committee Meeting in August 2010
- Joint Community Meetings with City of Stillwater
- Continued Volunteer Stream Monitoring Program with Stillwater High School Biology students to collect macroinvertebrate samples twice annually
- Summer 2010 BCWD Tour – focus on BMP cost-share projects, attended by Board, Staff, Citizen Advisory Committee Members and BCWD Residents
- Participated in Washington County Water Consortium meetings
- Partnered with Washington Conservation District Tree Program
- Continued Website with updates made by volunteer Barb Wohlferd

11. Baseline Monitoring Program:

- Continued the baseline-monitoring program, which includes macroinvertebrate monitoring, conducting water quality and flow monitoring in Brown's Creek and monitoring the water quality and level of the District's lakes.
- Goal to prepare for future lake management plans and TMDL studies. Monitor effectiveness of capital improvement projects. Use collected data to develop better management strategies.

12. Land Conservation Program:

- Submitted two written purchase offers for former Jackson WMA property in Stillwater.

13. Modeling upgrades:

- Upgrades to Hydrologic and Hydraulics Model and additional inventory information collection, including structure and stormwater facility inventories.