

Priorities for 2013

2012 Annual Report & 2013 Annual Plan

Brown's Creek

BCWD has identified several capital improvement projects along the Brown's Creek corridor to improve the water quality and habitat of Brown's Creek. The District will continue to partner with the DNR Trails to address stormwater and restore floodplain. The BCWD has received two FY 2013 Clean Water Fund grants to reduce temperature and sediment loading to Brown's Creek.



FY 2013 Clean Water Grant to reduce sediment loads and high temps to Brown's Creek

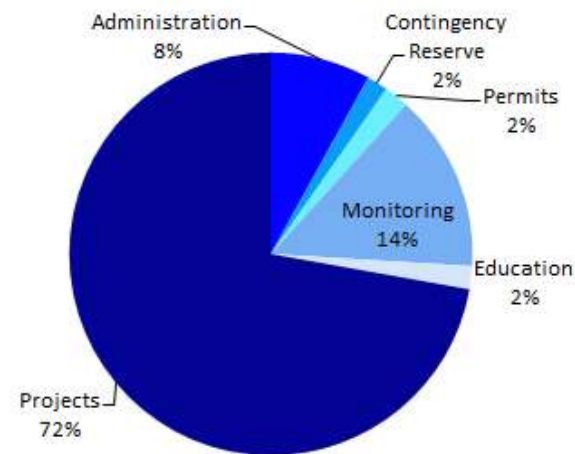
McKusick Lake/Diversion Drainage Iron Enhanced Sand Filter

The BCWD has received a FY 2012 Clean Water Fund grant to install an iron enhanced sand filter that will remove 118 pounds of phosphorous per year from the waters coming through the diversion structure to McKusick Lake and the St. Croix. The project will be constructed in 2013.



Iron Enhanced Sand Filter at Settler's 5th Addition in Stillwater – removes 118 lbs P/yr from McKusick Lake & St. Croix River

2013 Budget

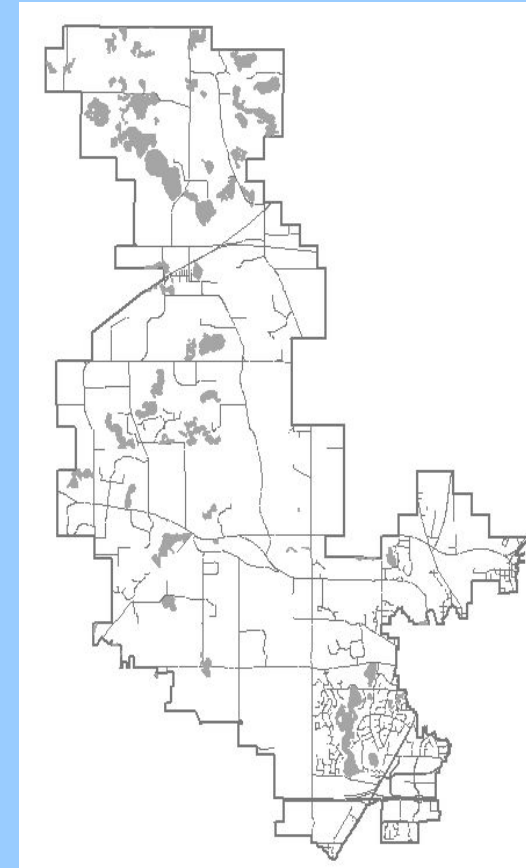


Total Budget = \$1,525,369

Revenue:

Grants 8% = \$122,500
 Carry Over 38% = \$576,696
 Levy/Loan 54% = \$826,173

Brown's Creek Watershed District: Working with the Community to Preserve and Improve the Quality of the District's Water and Natural Resources



The Brown's Creek Watershed District (BCWD) is the governmental unit with primary responsibility for protecting the water resources of the Brown's Creek Watershed. The District was established in 1997 under the Minnesota Watershed District Act.

The District covers approximately 30 square miles within Washington County that drain into Brown's Creek, which then enters the St. Croix River. The watershed includes Brown's Creek—a DNR designated trout stream, and several small tributaries. The watershed includes twelve major lakes and numerous wetlands. The District includes portions of the Cities of Oak Park Heights, Grant, Hugo, Lake Elmo, and Stillwater along with portions of May and Stillwater Townships.



Historic Stone Arch Bridge over Brown's Creek – 2011 Stabilization Project Permitted through BCWD partnership

The upper portion of the District is largely rural with farms, large-lot development and undeveloped grassland, cropland and forestland dominant. The lower portion of the District includes rapidly developing urban areas within the Cities of Stillwater and Oak Park Heights.

BCWD Board of Managers

The BCWD's five Board of Managers are appointed by the Washington County Commissioners and can be contacted through the BCWD office.

Regular Board Meetings held at 6:30PM
 Second Monday of the Month

Craig Leiser, President
 Rick Vanzwol, Vice-President
 Gail Pundsack, Vice-President
 Gerald Johnson, Secretary
 Connie Taillon, Treasurer



(Left to Right) Managers Johnson, Taillon, Leiser, Pundsack, & Vanzwol

Best Management Practices – Neal Ave

BCWD will partner with residents in a targeted neighborhood to install ~10 raingardens to reduce 1.13 tons of sediment, 3.25 acre-ft of warm stormwater and 6.6 lbs of nutrients per year.



FY 2013 Clean Water Fund Grant to Retrofit the Neal Ave Neighborhood with curb cut raingardens.

Grants Available for Water Quality Improvement Projects Up to \$2,500
 49 Projects Already Installed Since 2007!



2012 Accomplishments

Brown's Creek

The namesake of Brown's Creek Watershed District and a designated metro trout stream hasn't been home to as many trout and cold-water insects as we would hope. Sediment and high temperatures are the problems. An implementation plan, approved by the MPCA in February 2011, identifies projects to improve Brown's Creek.

BCWD partnered with Oak Glen Golf Course to restore 1,300 linear feet of Brown's Creek as it flows through the golf course and added almost two acres of native buffer along the streambank. With the help of a Clean Water Legacy grant, this project began in 2011 and was completed in 2012 reducing the high summer temperatures so harmful to trout.

Oak Glen Golf Course – 1,300 linear ft Stream Restoration & Two acres of Native Buffer



Fall 2011- Before



Jan 2012 – During



Fall 2012 - Complete

The development of the Brown's Creek State Trail provides an opportunity to partner with the DNR Trails on projects that would otherwise not be possible. The District addressed two locations of erosion on state land. Designs began to restore floodplain and address stormwater concerns.



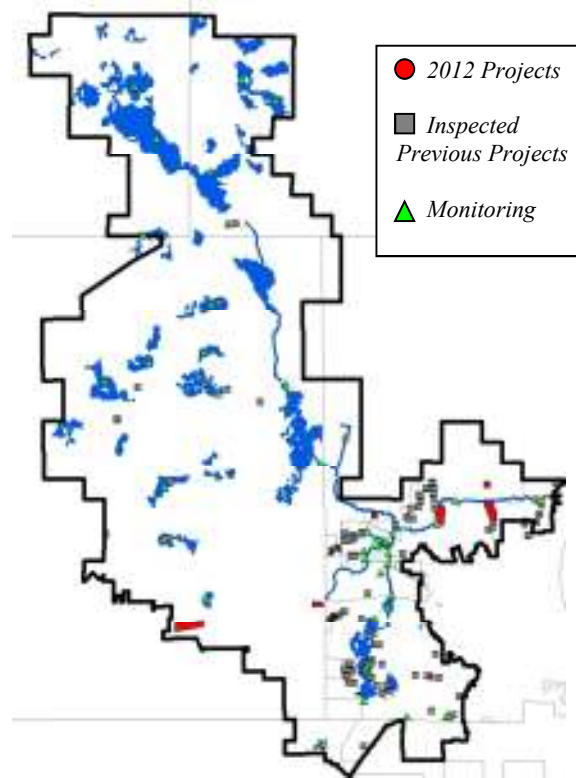
Brown's Creek entrenched along the rail line – one of the most degraded segments.

Groundwater

Groundwater levels were measured in March & August 2012. Levels fell 1.8ft over summer and an average of 6.2 ft since 2002.



2012 Project Locations



Improving and Preserving Water Quality in 2012 with the following activities:

- o 16 Permits Initiated
- o 8 Homeowner BMP Projects Approved
- o 1,300 linear feet of Brown's Creek restored
- o 41 Monitoring Locations for lakes & streams

2012 Actual Revenue: \$970,398
2012 Actual Expenses: \$950,607

2012 Participating Citizen Advisory Committee (CAC) Members included:

Luanne Folgelson Carol Palmquist
 Marvin & Paulette Jones Carol Parendo
 Tom Henderson Karen & Paul Richtman
 Lee Miller Sharon Schwartz

August 15, 2012 - Joint BCWD Board and CAC Meeting to develop 2013 Budget and workplan and assessed the progress of the 2012 workplan.

Please contact the Administrator if you would like to serve on the CAC!



Monitoring Project Performance

Monitoring

The BCWD monitors the health of the District's lakes and streams. This information allows us to make water resource management decisions based in science. The data is available in a detailed annual monitoring summary on the District website at www.bcwd.org.

2012 Lake Water Quality Report Card

Bass Lake East – B	Goggin's – D	Lynch North & South – D	Plaisted – C-
Bass Lake West – C+	Kismet Basin – C+	Masterman – C	South School Section – C+
Benz Lake – C-	Long – C	Pat – C	Wood Pile Lake – B

Education

East Metro Water Resource Education Program is a 17 member partnership formed in 2006 to educate the public about non-point pollution and engage people in projects that will help to protect and improve water quality in the region through articles, website interact and workshops.



Stillwater Country Club –
 BCWD 2012 Conservationists of the Year
 FY 2010 Clean Water Fund Grant Project

Check www.BlueThumb.org for all the latest news!

For More Information – Contact the District Administrator:

Karen Kill - 1380 West Frontage Rd, Hwy 36, Stillwater, MN 55082
 651.275.1136 x26 or karen.kill@mnwcd.org

Or Visit Us at the Brown's Creek Watershed District Website:

www.bcwd.org

District Consultants (selected in 2013 Biennial Solicitation):

Legal Services - Chuck Holtman - Smith Partners, P.L.L.P.
 Old Republic Title Building, 400 Second Avenue South, Suite 1200, Minneapolis, MN 55401
 612.344.1400 or holtman@smithpartners.com

Engineering Services - Camilla Correll, P.E. - Emmons Olivier Resources, Inc.
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 651.770.8448 or ccorrell@eorinc.com