

# Priorities for 2011

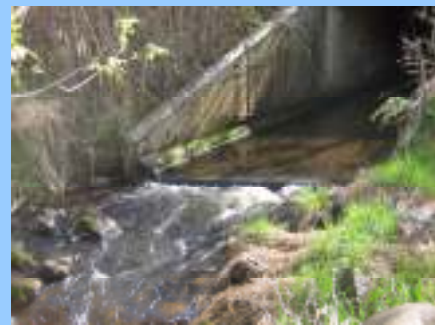
# 2010 Annual Report & 2011 Annual Plan

## Brown's Creek

BCWD will partner with Oak Glen Golf Course to restore 1,300 linear feet of Brown's Creek as it flows through the golf course and add more than two acres of native buffer along the streambank. With the help of a Clean Water Legacy grant, this project will begin in 2011 and potentially eliminate the high summer temperatures in this area that are so harmful to trout.



Brown's Creek through Oak Glen Golf Course



Oversized Box Culvert in Brown's Creek is currently impeding fish passage.

BCWD will install fish baffles within two large highway culverts to improve stream habitat.

## Best Management Practices

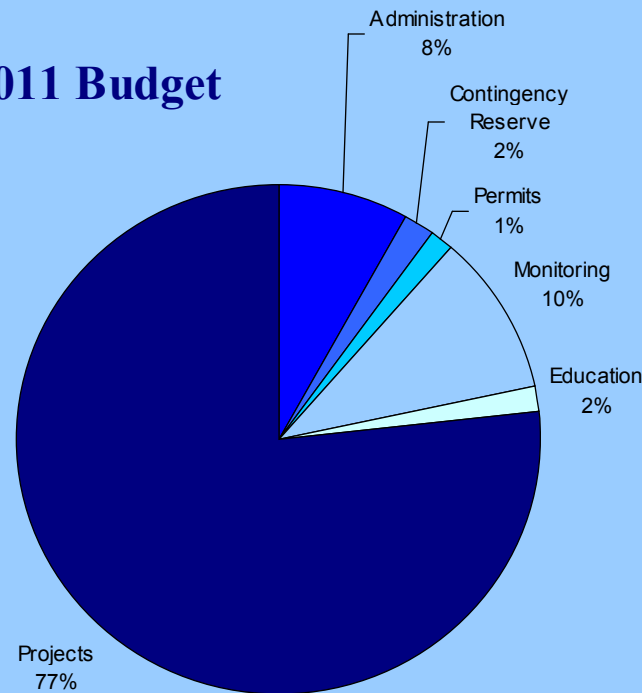
BCWD will continue working with residents and the communities to install best management practices like raingardens, native plantings, and shoreline restorations.

With the help of a BWSR Native Buffer grant, over half mile of Long Lake will be planted into natives in 2011.



Best Management Practices can reduce erosion and improve water quality to nearby lakes & streams.

## 2011 Budget

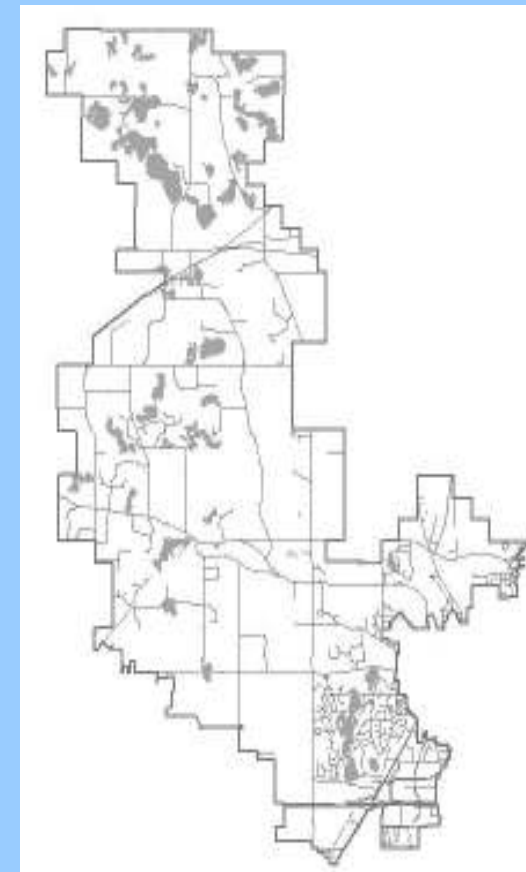


Total Budget = \$1,437,656

### Revenue:

Grants 15% = \$214,865  
 Carry Over 35% = \$502,791  
 Levy 50% = \$720,000

## 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



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

**Grants Available for  
 Water Quality Improvement Projects  
 Up to \$2,500  
 62 Projects Already Funded Since 2007!**

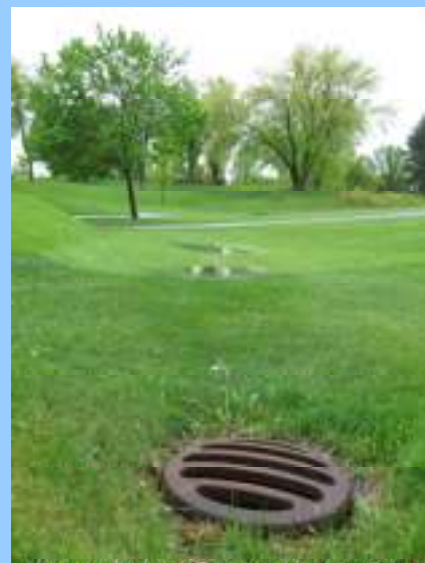


# 2010 Accomplishments

## Brown's Creek

The namesake of Brown's Creek Watershed District and a designated metro trout stream. However, in recent years the stream hasn't been home to as many trout and cold-water insects as we would hope. A study was completed and approved by the EPA in December 2010 to help us determine what is wrong with Brown's Creek and get us on the right path to improving it. Sediment and high temperatures were found to be significant problems.

Stillwater Country Club partnered with BCWD, with the help of a Clean Water Legacy grant to install 12 Project Areas in 2010. The end result meets about 10% of the sediment reduction goal, improving both Brown's Creek and the St. Croix River.



Stillwater Country Club  
May 13, 2010 – Pre-project rainstorm



Stillwater Country Club  
September 21, 2010 – Just planted

## Lake Management

These plans help guide BCWD's decisions about the most cost-effective projects to protect and improve water quality. We continued projects to improve Long and Benz Lake. A plan was completed for Masterman with the help of lake residents. Work began on a plan for Wood Pile Lake and will be completed 2011.

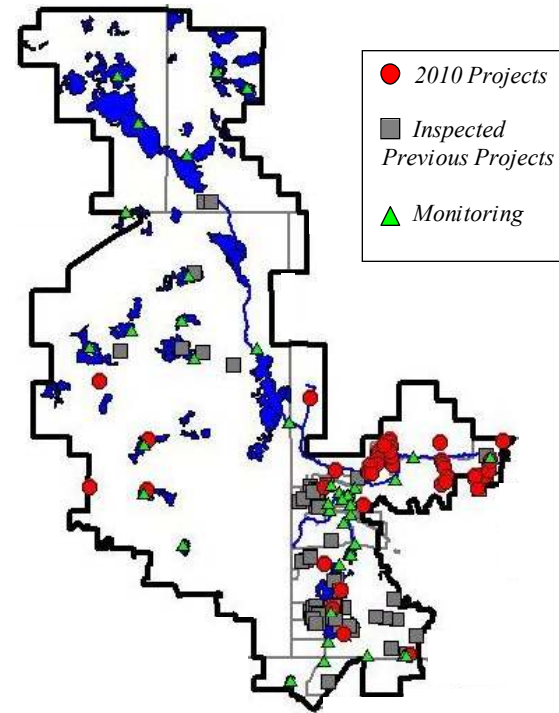


Sampling at  
Wood Pile Lake



Volunteers help with  
spring Long Lake  
Shoreline Cleanup

## 2010 Project Locations



### Improving and Preserving Water Quality in 2010 with the following activities:

- o 21 Permits Initiated
- o 23 Homeowner BMP Projects Approved
- o 20 Community BMP Projects Installed
- o 12 BMP Project Areas at Stillwater Country Club Installed
- o 41 Monitoring Locations for lakes & streams

2010 Actual Revenue\*: \$893,500

2010 Actual Expenses\*: \$773,000

\*(pre-audit)

### 2010 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 16, 2010 - Joint BCWD Board and CAC Meeting to develop 2011 Budget.

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



Monitoring Brown's Creek Tributaries

## 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](http://www.bcwd.org).

### 2010 Lake Report Card

Bass Lake East – B  
Bass Lake West – C+  
Benz Lake – D

Goggin's – D-  
Kismet Basin – C  
Long – B-

Lynch North & South – F  
Masterman – C  
Pat – C

Plaisted – C-  
South School Section – C-  
Wood Pile Lake – C

## Education

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



Denise & Michael Stephens –  
BCWD 2010 Conservationists of the Year

Check [www.BlueThumb.org](http://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](mailto:karen.kill@mnwcd.org)

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

[www.bcwd.org](http://www.bcwd.org)

### District Consultants (selected in 2009 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](mailto:holtman@smithpartners.com)

**Engineering Services** - Camilla Correll, P.E. - Emmons Olivier Resources, Inc.  
651 Hale Avenue, Oakdale, MN 55128  
651.770.8448 or [ccorell@eorinc.com](mailto:ccorell@eorinc.com)