

North Cannon River Watershed Management Organization 2008 Annual Report & 2009 Budget

Table of Contents

2008 Annual Report

Board of Managers	2
Meeting Dates	3
Consultants	3
Citizen and Technical Advisory Committee Members	3
2008 Activities and Accomplishments	
1. Best Management Practices	3
2. Monitoring	4
3. Regulation	7
4. Education	7
5. Administration	7

2008 Financial Report

Statement of Revenues, Expenditures, and Changes in Fund Balance	8
Member Dues Summary	8
Combined Balance Sheet	9

2009 Budget	10
--------------------	-----------

2008 Annual Report

Board of Managers (as of January 1, 2009):

Castle Rock Township:

Primary: Pete Schaffer 2760 232nd Street East, Hampton, MN 55031
Alternate: Paul Irrthum 1605 260th St. E, Farmington, MN 55024

Douglas Township:

Primary: John Schumacher (Treas.) 26295 Orlando Ave., Cannon Falls, MN 55009
Alternate: Peggy Varien 12266 220th Street East, Hastings, MN 55033

Eureka Township:

Primary: Carrie Jennings 8919 280th Street West, Northfield, MN 55057
Alternate: Vacant

Greenvale Township:

Primary: Robert Winter 5975 329th St., Northfield, MN 55057
Alternate: Edith Nelson 29292 Isle Ave., Northfield, MN 55057

Hampton Township:

Primary: Vacant
Alternate: Vacant

City of Miesville:

Primary: Gene Stoffel (Vice-Chair) 23720 Nicolai Ave., Hastings, MN 55033
Alternate: Vacant

City of New Trier:

Primary: Vacant
Alternate: Vacant

City of Randolph:

Primary: Marie Jacob (Secretary) 29048 Dawson Ave., Randolph, MN 55065
Alternate: Robert Lind 29084 Danel Ave., Randolph, MN 55065

Randolph Township:

Primary: Don Marthaler 29359 Cooper Ave., Randolph, MN 55065
Alternate: John Berendt 7645 Echo Point Rd., Cannon Falls, MN 55009

Sciota Township:

Primary: Duane Ness (Chair) 30155 Northfield Blvd., Northfield, MN 55057
Alternate: Vacant

Waterford Township:

Primary: John Dudley 2418 320th Street W, Northfield, MN 55057
Alternate: Vacant

Meeting Dates:

<u>Date</u>	<u>Location</u>
January 24	Sciota Township Hall
April 3	Waterford Township Hall
July 17	Greenvale Township Hall
November 20	Eureka Township Hall

Consultants:

The Dakota County Soil and Water Conservation District (SWCD) provides administrative and technical support to the North Cannon River Watershed Management Organization (NCRWMO) through an annual Joint Powers Agreement. They can be contacted at:

Dakota County Soil and Water Conservation District
4100 220th St. West Suite 102
Farmington, MN 55024
(651) 480-7777
brad.becker@co.dakota.mn.us

Citizen and Technical Advisory Committee Members:

The NCRWMO did not convene a citizen or technical advisory committee during the 2008 calendar year. Advisory committees were used in the past during the watershed management plan development stage.

Activities and Accomplishments in 2008:

1. Best Management Practices:

A. Cost Share

In 2008 the NCRWMO Board approved an agreement with the SWCD to use NCRWMO general funds, and Met Council grant funds, to leverage the SWCD’s existing cost-share programs. This process may further leverages federal funds through the U.S. Department of Agriculture Natural Resources Conservation Service. In 2008 the NCRWMO assisted with funding the installation of 10 individual best management practices within the watershed, including 3 filter strips (totaling 13.6 acres), 1 grassed waterway, 1 water and sediment control basin project, 1 feedlot improvement project, and 4 individual nutrient management plans.

B. Chub Creek Watershed Individual Septic Treatment System Upgrade Program

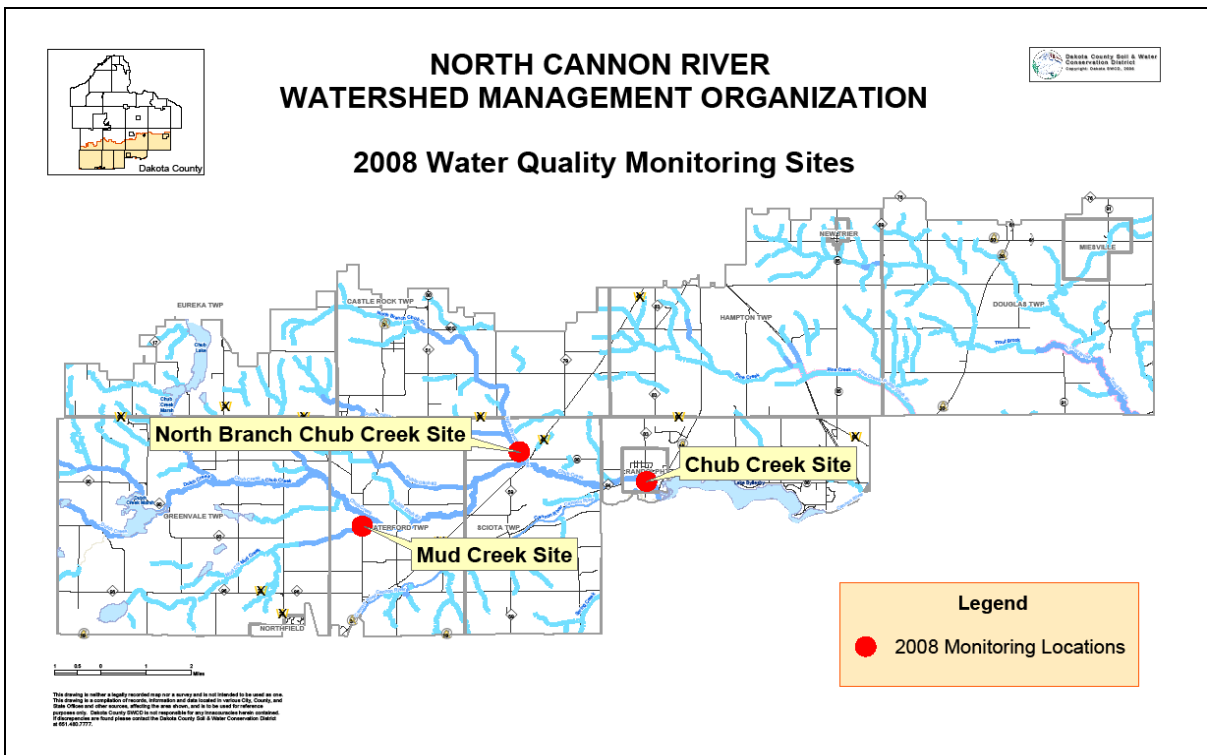
In 2005, Dakota County received a \$160,500 319 Grant from the MPCA to identify failing septic systems within the shoreland area along the Vermillion River and Chub Creek. Once identified, the grant provides cost-share funding to landowners who upgrade their failing septic systems. In 2008, Dakota County conducted 30 inspections along Chub Creek and identified 13 septic systems as failing. The NCRWMO allocated \$3,000 in matching funding to provide cost-share for upgrading those failing septic systems.

2. Monitoring:

A. Activities:

- SWCD staff installed automated stage (depth) monitoring equipment at three monitoring stations within the Chub Creek Watershed.
- Staff collected 11 water quality samples from each of the three monitoring locations during periods of low flow and runoff events. All chemistry results were formatted and submitted to the MPCA
- Staff completed multiple flow measurements to build rating curves for each location.
- Staff continue to recruit citizen volunteers for the Minnesota Pollution Control Agency's Citizen Stream Monitoring Program.
- Staff maintained staff gauges to assist citizen volunteers on Pine Creek and Trout Brook

B. Locations:



C. Results:

- Continuous flow data was collected at all sites. Flow results are presented here.
- Samples (marked with diamonds) were collected over the entire range of flows.
- There were few large rain events in 2008.
- Flow monitoring is essential for completing load calculations. Load calculations are sometimes required for grant applications and ALWAYS used in Total Maximum Daily Load (TMDL) studies.

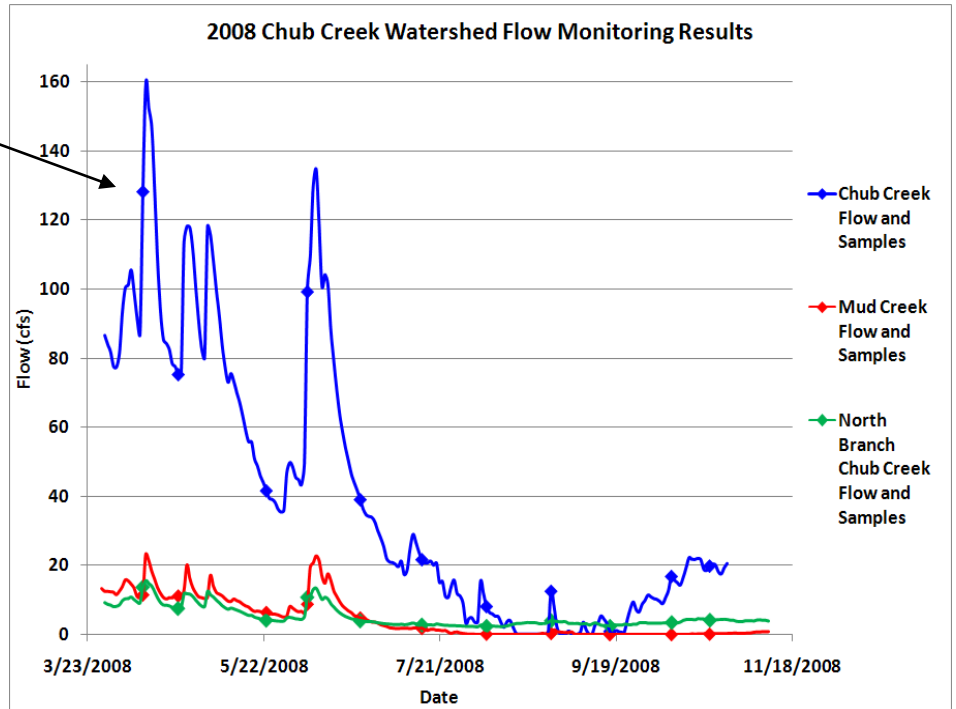


Figure 1. 2008 Flow Results

- Total phosphorus is commonly used as general indicator of water quality. Historical results are presented here.
- Total phosphorus concentrations are generally below the eco-region mean for southern Minnesota.
- 2008 total phosphorus concentrations are lower than historical averages. Possible decreasing trend for North Branch Chub Creek sites.

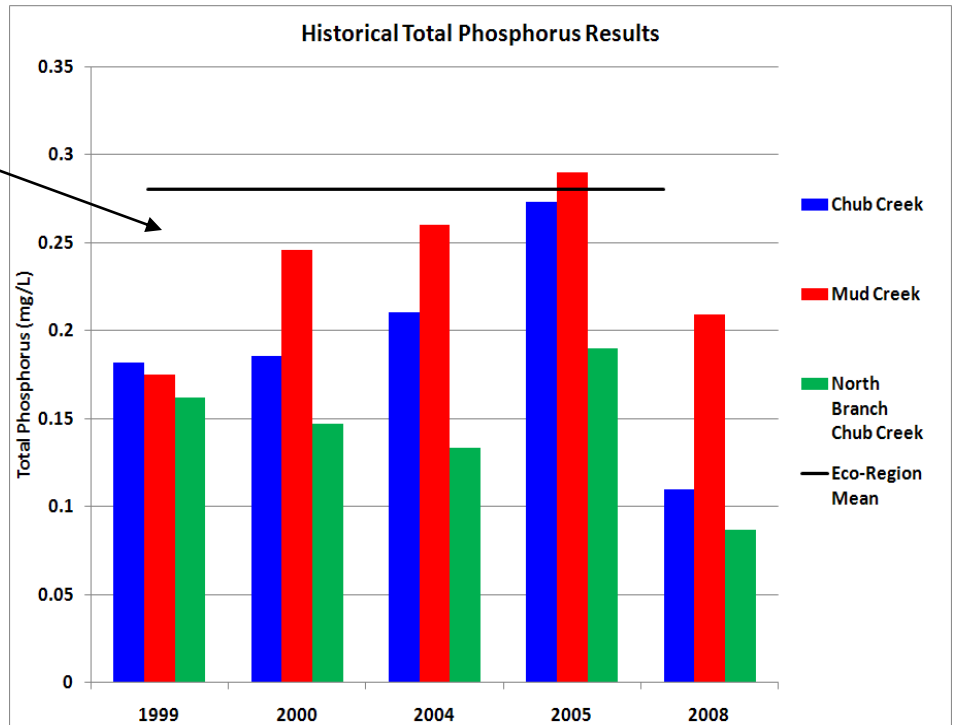


Figure 2. Historical Phosphorus Data

- Chub Creek is listed as impaired for bacteria. The 2008 bacteria monitoring results are presented here.
- Bacteria results remain consistently elevated at all sites.
- Possible decreasing bacteria trend.
- *1999-2005 samples were analyzed for fecal coliform concentrations, while 2008 samples were analyzed for *E. coli* concentrations (change in state standard).

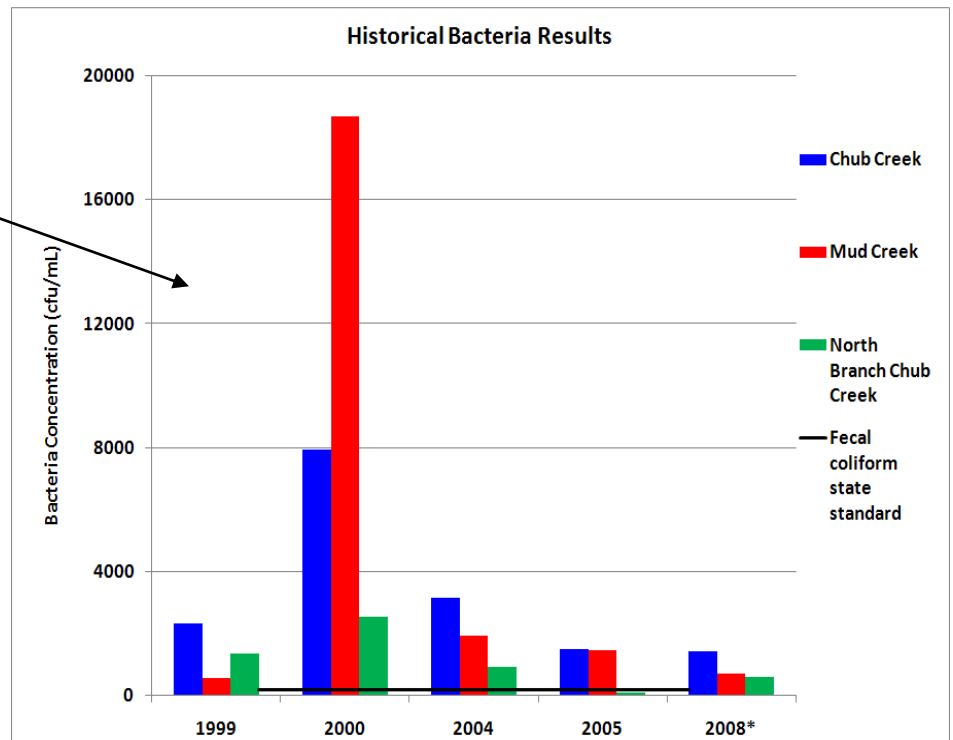


Figure 3. Historical Bacteria Data

D. Summary:

Water quality monitoring in the Chub Creek watershed was highly successful in 2008. Automated equipment collected continuous stage data from all three sites, with very few interruptions (battery failure/equipment malfunction). Several flow measurements were completed at each site to improve and refine existing rating curves and subsequent flow data. Base flow and rain event grab samples were collected across a range of flow regimes, representative of 2008 water quality conditions. All grab sample data were processed by SWCD staff and submitted to the MPCA for storage in STORET. Complete chemical results are available on the MPCA's Environmental Data Access system (<http://www.pca.state.mn.us/data/edaWater/index.cfm>).

Water quality within the Chub Creek watershed is considered fair, with most parameters below state water quality standards/eco-region means (Appendix A). A complete trend analysis is not possible, due to a very brief data set, but 2008 results are generally less than those observed in the past and may be a reflection of improving conditions within the watershed (Appendix A).

The 2008 results suggest that bacteria concentrations in the watershed may be beginning to decrease. However, bacteria levels continue to exceed the state standard. Caution should be exercised when considering recent bacteria results since the state bacteria standard changed in 2008 from fecal coliform to *E. coli*, and the apparent decrease in 2008 may be due to this change in parameters. Also, turbidity results for the Chub Creek and Mud Creek sites slightly exceeded the state standard and could result in a new impaired waters listing for those creeks.

3. Regulation:

The NCRWMO's Watershed Management Plan requires the adoption of a wetland ordinance. Each member community must adopt and enforce a wetland ordinance at least as stringent as the wetland ordinance approved by the NCRWMO Board. The wetland ordinance development process can also be used to adopt stream buffer standards for new developments within the watershed. A draft "Wetland and Stream Buffer Ordinance" document was distributed at the July 17th, 2008 Board meeting. The NCRWMO Board is currently accepting comments on the draft document from the public and member communities, and anticipates the formal adoption of an ordinance in 2009.

4. Education:

The annual watershed tour was held before the July 17, 2008 Board meeting. The tour included stops at these sites:

- A. Chub Creek water quality monitoring station, Sciota Township.
- B. Northfield Area Latino Community Supported Agriculture poultry farm, Waterford Township.
- C. Robert Winter feedlot improvement project, Greenvale Township.

5. Administration:

In 2008 the NCRWMO Board formally adopted a Records Retention Schedule. The schedule was reviewed and approved by the Minnesota Historical Society and the State of Minnesota Auditor's Office.

2008 Financial Report

Statement of Revenues, Expenditures, and Changes in Fund Balance - December 31, 2008:

REVENUES

Interest Income – Savings and CD's	\$1,710.14
Met Council MEP Grant	\$445.00
Member Dues	<u>\$15,000.00</u>
Total Revenues	\$17,115.14

EXPENSES

Monitoring & Analytical Testing	\$10,439.00
Other Expenses (Monitoring Supplies & Utilities)	\$217.54
Administrative and Technical Services	\$2,388.46
Cost Sharing Programs/Best Managements Practices	\$1,068.00
Trout Brook Sediment Control Project	\$13,410.42
Independent Auditor's Report for 2007	<u>\$1,300.00</u>
Total Expenses	\$28,823.42
Excess Expenses / Net Loss	-\$11,668.28
FUND BALANCE – Jan 1, 2008	\$52,260.96
CHANGE IN FUND BALANCE	<u>-\$11,668.28</u>
FUND BALANCE – Dec 31, 2008	\$40,592.68

Member Dues Summary:

COMMUNITY	% of Watershed	Tax Capacity in Watershed	% Tax Capacity	50/50 Share	Member Dues
Townships					
Castle Rock Township	10.31	0.97	12.17	11.24	\$1,686.24
Douglas Township	17.78	0.91	11.42	14.60	\$2,189.95
Eureka Township	7.43	0.53	6.65	7.04	\$1,055.89
Greenvale Township	19.97	1.36	17.06	18.52	\$2,777.28
Hampton Township	15.68	0.92	11.54	13.61	\$2,041.54
Randolph Township	6.98	1.19	14.93	10.96	\$1,643.69
Sciota Township	9.99	0.63	7.90	8.95	\$1,342.09
Waterford Township	9.90	0.86	10.79	10.35	\$1,551.97
Cities					
Miesville	1.17	0.19	2.38	1.78	\$266.53
New Trier	0.12	0.07	0.88	0.50	\$74.95
Randolph	0.67	0.34	4.27	2.47	\$369.87
TOTALS	100	7.97	100	100	\$15,000.00

2008 Combined Balance Sheet:

General Fund and Account Groups - December 31, 2008:

ASSETS

Cash in Checking	\$178.96
Cash in Savings	\$10,030.31
Certificate of Deposit 9369 (3.29% Matures 10/30/10) (#20)	\$10,150.71
Certificate of Deposit 10585 (3.03% Matures 11/26/09) (#25)	\$9,692.57
Certificate of Deposit 14688 (2.65% Matures 05/22/09) (#24)	<u>\$23,422.14</u>
Total Assets:	\$53,474.69

LIABILITIES AND EQUITY

Liabilities:

Accounts Payable	\$12,882.01
Deferred Revenue	<u>\$0.00</u>
Total Liabilities	\$12,882.01

Equity:

General Fund Balance January 1, 2008	\$52,260.96
Dedicated Project Funds	\$0.00
Net Income / Loss	<u>\$11,668.28</u>
Total Equity	\$40,592.68

TOTAL LIABILITIES AND EQUITY: \$53,474.69

2009 Budget

Approved November 20, 2008:

<u>EXPENSES</u>	<u>AMOUNT</u>	<u>NOTES</u>
Water Monitoring @ Chub Creek Permanent Station	\$3,320	\$3,000 staff time for equip. maintenance & rating curve development \$320 misc. supplies
2008 Financial Review	\$1,400	Estimate based on 2007 Financial Review = \$1,300
Cost-Sharing Programs Cost-sharing for BMP installation including erosion control, feedlot improvement projects, etc.	\$3,900	Carry over from 2008 = \$2,832
Match for ISTS Upgrade Program Provide matching funding for Dakota County's ISTS Inspection and Upgrade Program	\$5,000	No funds spent in 2008, \$5,000 budgeted
Trout Brook MEP Grant Cost-sharing for BMP installation for sediment reduction and rate control in Trout Brook Watershed	\$16,846.43	\$9,662.43 cost-share reimbursed by Met Cncl. \$7,000 for cost-share, from NCRWMO match \$184 from NCRWMO to SWCD for admin.
Technical Services SWCD review and comment on Wetland Conservation Act issues, local water plans, EIS's, EAW's, etc.	\$180	3 hours @ \$60/hour = \$180
Information and Education Financially assist organizations and/or member communities with water resource education	\$550	No funds spent in 2008, \$1,025 budgeted
Administrative Services SWCD provides administrative coordination for Board meetings, budget, annual planning & reporting, general correspondence	<u>\$5,800</u>	95 hours @ \$60/hour = \$5,700 Postage = \$100
Total Expenses	\$36,996.43	
 <u>REVENUES</u>		
2009 Member Allocations	\$15,000	
Trout Brook MEP Grant	\$9,846.43	
Projected Interest	<u>\$2,100</u>	
Total Revenues	<u>\$26,946.43</u>	
 TOTAL FUND BALANCE	 - \$10,050	