



BOIS DE SIOUX WATERSHED DISTRICT
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Calendar Year 2011 Annual Report



Ring Dike Spring 2011

**BOIS DE SIOUX WATERSHED DISTRICT
ANNUAL REPORT
CALENDAR YEAR 2011**

BOARD OF MANAGERS

<u>NAME</u>	<u>COUNTY</u>	<u>PHONE</u>	<u>TERM EXPIRES</u>	
<i>Dennis Zimbrick</i>	Traverse	320-265-6252	2011	
<i>Dan Ellison</i>	Grant	320-677-2614	2013	
<i>Jerome Deal</i>	Traverse	320-563-8377	2013	President
<i>Don Davenport</i>	Otter Tail	218-739-9281	2011	V.President
<i>Linda Vavra</i>	Stevens	320-677-2586	2013	
<i>Jon Pansch</i>	Big Stone	320-748-7516	2012	Treasurer
<i>John Kappahn</i>	Grant	218-685-4604	2011	
<i>Tom Deal</i>	Wilkin	218-630-5731	2012	
<i>Robert Marts</i>	Traverse	320-563-4409	2012	Secretary

CONSULTING STAFF

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District Administrator
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Monica Wilson

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Wheaton, MN 56296
320-563-4164



OFFICE

Bois de Sioux Watershed District

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Project Team Members

The Bois de Sioux Watershed District is a subwatershed of the Red River of the North basin. In December of 1998, many agencies and organizations signed the Red River Basin Mediation Agreement which outlined how projects will be developed in the Red River Valley in Minnesota. That agreement states that the districts within the basin will attempt to balance each project design with Flood Damage Reduction (FDR) benefits and Natural Resource Enhancements (NRE). Part of that process requires that each district establish a Project Team for each project containing members from local, regional, state and federal agencies along with environmental organizations and local landowners.

The Bois de Sioux Watershed District has appointed these members to six (6) Project Teams. Current team membership is listed in the appendices.

Project Team meetings were generally held the fourth (4th) Tuesday of each month with one team meeting in the morning and the other meeting in the afternoon. Teams only met as necessary to discuss items and issues relating to each specific project. Notes of those meetings are on file in the district office with copies distributed to each member.

2011 Regular Board Meetings

January 27, 2011
February 17, 2011
March 18, 2011
April 21, 2011
May 19, 2011
June 23, 2011

July 21, 2011
August 18, 2011
September 15, 2011
October 20, 2011
November 17, 2011
December 15, 2011

The Bois de Sioux Watershed District Board of Managers meets regularly on the third Thursday of each month, generally for a half of a day starting at 8:00 a.m. April through October and at 9:00 a.m. November through March.

Background

The Bois de Sioux Watershed District was established on May 11, 1988 by order of the Minnesota Board of Water and Soil Resources (BWSR). The district represents an area of about 1,420 square miles and includes Traverse County (38%), Grant County (27%), Wilkin County (14%), Stevens County (10%), Big Stone County (7%) and Otter Tail County (4%).

The district includes the drainage basins of Lake Traverse and the Bois de Sioux River within the State of Minnesota. The major tributaries are the Mustinka River and numerous creeks in the south and east and the Rabbit River to the north.

Board Activity

The Grant County Board of Commissioners reappointed John Kapphahn of Elbow Lake, MN as the Grant County board manager to another three year term, set to expire in 2014.

The Traverse County Board of Commissioners reappointed Dennis Zimbrick of Beardsley, MN as the Traverse County board manager to another three year term, set to expire in 2014.

The Ottertail County Board of Commissioners reappointed Don Davenport of Fergus Falls, MN as the Ottertail County board manager to another three year term, set to expire in 2014.

The board held twelve (12) regular monthly meetings in 2011. Numerous Staff meetings were also conducted for purposes of reviewing issues identified at the board meetings and to meet with landowner groups in an informal setting to discuss legal ditch repairs, permit activity, and other surface water related problems.

The board continued with their membership to the Red River Watershed Management Board. Jerome Deal was selected as the Bois de Sioux Watershed District representative with Jon Roeschlein serving as the alternate. Jerome also was co-chair of the Flood

Damage Reduction Work Group for the implementation of the Red River Basin Mediation Agreement.

Jerome Deal continued to serve as a member representing Region I for the Minnesota Association of Watershed Districts Board of Directors and was elected chairman at the Annual Meeting in December.

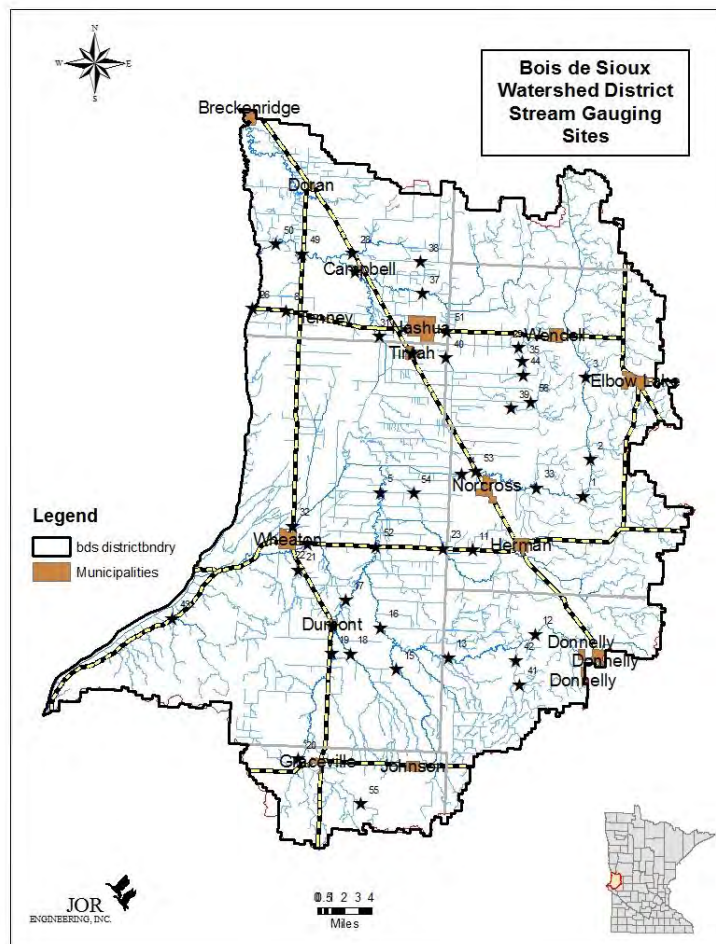
In 2010 the Red River Retention Authority (RRRA) was formed through a joint powers agreement between the Red River Watershed Management Board (RRWMB) in Minnesota and the North Dakota Joint Water Resources Board (NDJWRB). Jerome Deal was appointed as a member to the RRRA representing the RRWMB. The RRRA then established the Water Retention Committee of which Jerome was named one of the co-chairs. This committee established 5 sub-committees to develop language for the Federal Farm Bill to utilize special funding that is being sought to develop retention projects in the Red River of the North basin. Jon Roeschlein was named chair of the Easement Sub-Committee. Roeschlein also began developing new program language for the farm bill and chaired that committee into 2011. The RRRA began the work to establish office space and obtain staff.

Stream Gauging

In 2011 we had fifty-four (54) gauging sites in our Stream Gage Monitor Program. Thirty-eight (38) of those sites were considered active. Two of our gage sites are in South Dakota, on the outlet of Jim Creek, into Lake Traverse. Volunteers that live within the vicinity of each gage do the actual day-to-day monitoring of the stream gage. The program is coordinated through the administrative office. Volunteer readers are compensated at a rate of Seventy-Five Dollars (\$75.00) per gage, per year, to help offset costs for accessing the gage.

Stream Gage data for 2011 has been entered into the computer data base. Data is transferred to the BdSWD Engineer for his review purposes.

Each year, gage readers are asked about the condition of their gauging site. If the gage needs work or there is a request to modify the gage, it is reviewed by the administration and assigned to an engineering technician to investigate, repair, or modify as the case may require.



Rules and Regulations

The Bois de Sioux Watershed District has adopted rules to control watershed activities as required by M.S. 103D.341. These rules lay out a permit process which land owners must follow. Permits are required for any type of work related to new ditching, improved ditching, drainage from one sub-watershed to the other, construction, alteration or removal of any dike, reservoir work, land forming, wetland drainage, work within natural drainage ways, lakes, wetlands and other abutting land and drainage structures. Land owners should contact the Bois de Sioux Watershed District Office for assistance and direction in filing permits.

FOR A COPY OF THE RULES & REGULATIONS OF THE BOIS DE SIOUX WATERSHED DISTRICT, PLEASE CONTACT THE BOIS DE SIOUX WATERSHED DISTRICT OFFICE OR GO TO:

[HTTP://WWW.BDSWD.COM](http://www.bdswd.com)

PERMIT APPLICATIONS CAN ALSO BE FOUND ONLINE AT THIS ADDRESS.

Any land owner that proceeds to do work without a permit, when the project requires one, is subject to a minimum of \$250 After-The Fact Permit Fee plus any Engineering/Attorney Fees incurred in the processing of said permit.

There were a total of 253 permits processed in 2011.

Contractors and installers were directed to design any tiling projects to meet the ¼ inch Drainage Coefficient as that is the BdSWD sizing policy.

Projects and Programs

Impoundment Inventory.

The Bois de Sioux Watershed is continuing its efforts in developing an Impoundment Inventory for the district. This project originally started out being partially funded by the Minnesota Flood Damage Reduction Program. It is intended that this particular project will continue indefinitely as new impoundment locations are identified.

In 2012, the BdSWD completed a 20% flow reduction Strategy for the watershed. This study focused on placing storage within the Bois de Sioux Watershed District. A total of 26 sites or potential projects were identified within the District. The storage was placed in the Lake Traverse and Rabbit River basins. Site selection was based primarily on the need for local flood control. Flooding problems are widespread in the Bois de Sioux Watershed District. The Watershed Board looks forward to partnering with regional interests to help solve its local flooding problems in ways that will also benefit the mainstem. This strategy will promote local support for the projects.

North Ottawa Impoundment Project.

The Flood Damage Reduction portion of the North Ottawa Project was completed in 2009 so the impoundment was fully operational for FDR in the Spring of 2010.

In 2011, the project captured and stored 15,800 acre feet of flood water. This volume is 200 acre feet short of the total gated capacity it is capable of storing. There were some erosion damages to the project from the spring runoff, however they did qualify for FEMA funds to repair.



Construction on Phase 5A began in fall of 2011 and consisted of four (4) inlet structures through the interior dike and a fixed wier in the inlet channel to accommodate better control of the distribution of inflows. A full operations report is available in the BdSWD Office and at www.bdswd.com.

The Board re-bid the land in pools A and B for ag production in 2012. Farming will continue in these two pools until such time that phase 5 construction is complete and operations dictate cessation.

Jordan Krump, Wheaton Boy Scout and Wheaton High School Senior, approached the District for a project he could do to complete his Eagle Scout requirements. It was agreed to have him construct and install an informational kiosk on the North Ottawa Impoundment and a bench near the kiosk. He will also build a picnic table for the District to be placed in the shelter that will be constructed in 2012 near Structure C. Another picnic table will be constructed by Jordan for use at the Redpath site.

Molly Macgregor, graduate student and MPCA employee, assembled and conducted a survey of residents to solicit feedback on their opinion of the North Ottawa Project as her thesis for her schooling. The final report won't be available until spring 2012.

Thirty percent (30%) of the refuge signs had been damaged around the project boundary and encroachment on native grass seedings were found. The MnDNR and the BdSWD sent letters to all adjoining landowners to make them aware that it is not acceptable and to ask them to honor the property boundaries.

MnDNR staff conducted fish survey and bird counts on the project in an effort to better understand how the project will perform from these standpoints. Results of this monitoring work are available in the BdSWD office.

Moonshine Lakebed Restoration Project

The BdSWD continues to work to acquire necessary lands for this project area from willing sellers. Until such time that the necessary land rights are obtained for this project, no construction will take place. The Wetland Banking program was discussed in regard to this lakebed restoration project but decided to not utilize this system because of the way the project is being pursued. Ducks Unlimited has indicated that they intend to apply for LS-OHC funding to put this project together in cooperation with the BdSWD. Funding was awarded to Ducks Unlimited and they went to work on acquiring the necessary land rights. The BdSWD had an opportunity to participate in a land auction to acquire property to trade in the Moonshine lakebed area. Unfortunately there were others that were willing to pay more than the BdSWD felt was the appropriate value.

In 2011, the land owned by the BdSWD in Moonshine Twp. was re-bid for lease for the crop year 2012.

Moonshine 24/13

Land owned by the BdSWD was leased for farming again in 2011. No progress has been made to date with establishing an impoundment in this area. It is the board's intention to continue to work to establish a small impoundment on this land and land adjacent once land rights issues are worked out with the neighboring landowners. Neighboring landowners have been contacted and talks continue.

Elbow Lake Project

This project is driven mainly by local landowners to try to stabilize the water level on Elbow Lake and Samantha Slough. There is consensus that an outlet can be constructed, however some of the details are to be worked out yet like size of tile, where to stop with tile, open ditch alternative, outlet elevation, automatic, manual gate, pump, etc. Discussions continue in an effort to sort out the best alternative. The Elbow Lake Association was formalized in 2010 and is operational.

Bois de Sioux Watershed District River Watch and their Activities

By E.A. Finch, Riverwatch Coordinator, IWI

River Watch provides students with hands-on learning about the water quality of streams in their local watershed. Four high schools in the Bois de Sioux Watershed District (BDSWD) namely Campbell-Tintah, Herman-Norcross, Wheaton and Clinton-Graceville-Beardsley are involved in the RiverWatch (RW) program. Twenty-five students are currently enrolled from 8th through 12th grade. All together they monitor water quality at 30 designated sites once a month from April through October.

The students use a multi-parameter sonde to measure temperature, conductivity, dissolved oxygen and pH of the water. They use a turbidimeter and transparency tube to determine turbidity and water clarity respectively. The students also document observations in the field that may influence water quality and take pictures upstream and downstream of the site for documentation.

All RW teachers are encouraged to attend the annual Red River Basin Water Quality training organized by MPCA, International Water Institute (IWI), Red Lake Watershed District and monitoring partners to ensure that Standard Operating Procedures are followed. In addition to the training Evelyn A. Finch, staff member of the IWI ensures that quality data is collected by following Standard Operating Procedures approved by the MPCA.

Each RW school enters their field data on a spreadsheet followed by quality assurance checks to make sure that data is entered correctly. At the end of the sampling season, students analyze their data using basic statistics. They compare their results to previous year's data, state standards and ecoregion norms. They assess the water quality in their portion of the watershed and discuss any apparent changes and causal factors that might be contributing to these conditions. Students report their findings to the Bois de Sioux Watershed District and share the monitoring results at the annual River Watch Forum through poster presentations.

The schools also engage in the study of aquatic macroinvertebrates which can be used as water quality indicators. Macroinvertebrates are natural living components of rivers and streams that provide information about the quality of the stream or river over long periods of time. In 2010 the RW program added snow study to the existing research activities. Campbell-Tintah high school advanced from collecting only field data to collecting water samples for laboratory analyses to investigate the cause of high conductivity readings at one of their monitoring sites (WilkCD9). The students suspected tile drainage to be the cause of the extremely high conductivity values.

The BDSWD provides support for the RW program by covering costs of substitute teachers, laboratory analyses of water samples, students' lunches and transportation on sampling days as well as travel costs to the RW forum held annually at the University of MN, Crookston in March. This partnership with the watershed district and area schools contributes to the education of the students, raise awareness with the students and the community about watershed issues, and provide valuable data to area resource managers. This year, Campbell-

Tintah, Herman-Norcross and Wheaton attended the RW forum. All three schools did a poster presentation on the results of their 2011 monitoring season and completed a Flood Damage Reduction (on the Red River) assignment with respect to their location in the Early, Middle, Late flood timing zones. Wheaton took the bronze award for judges' choice and Campbell-Tintah took the silver award for people's choice on their poster presentations. The schools plan to continue with monitoring in the 2012 sampling season for conditions and trends.



Campbell-Tintah River Watch Team with their Silver award.

L to R: Dylan Hensch, Roy Mayeda (Advisor/Instructor), Brandon Meyer, Skylar Niesche, Alex Viger.

Below is a table of BdSWD River Watch schools and their research activities:

High School	Research study areas
Campbell-Tintah	Water quality, snow study and investigation into tile drainage
Clinton-Graceville-Beardsley	Water quality, snow study
Herman-Norcross	Water quality, snow study and macroinvertebrates
Wheaton	Water quality, snow study and macroinvertebrates

Buffer Strip and Wetland Restoration Program

The Bois de Sioux Watershed District Overall Plan identifies wetland restoration and buffer strip/ permanent grass installation as an action item identified to reduce runoff, increase infiltration, and improve habitat. The district provided financial assistance in the amount of \$10,000 each to Wilkin, Ottertail, Grant, Traverse, Big Stone, and Stevens SWCDs to help fund a position to market the CRP and WRP programs in their portion of the district. This restoration work was identified by the East Branch 12 Mile Creek Project Team as an item needed to reduce flows in the area and provide for Natural Resource Enhancements. For each acre of permanent easement that is enrolled and approved, the district would compensate \$10 to the SWCD. In 2011 there were 1,090.5 acres enrolled in permanent easements in the Bois de Sioux Watershed District. The breakdown is as follows:

SWCD	Acres	Payment
Traverse	1,585.90	\$15,859.00
Grant	1,089.70	\$10,897.00
Ottertail	0.0	\$0.00
Stevens	174.6	\$1,746.00
Big Stone	0.0	\$0.00
Wilkin	0.0	\$0.00
TOTAL	2,850.2	\$28,502.00

Because of the assistance from the local SWCD offices, we were able to work together to accomplish goals for both entities. A special thanks goes out to the staff and boards of these six organizations for their assistance.

It is anticipated that this program will continue in 2012.

Land Acquisition

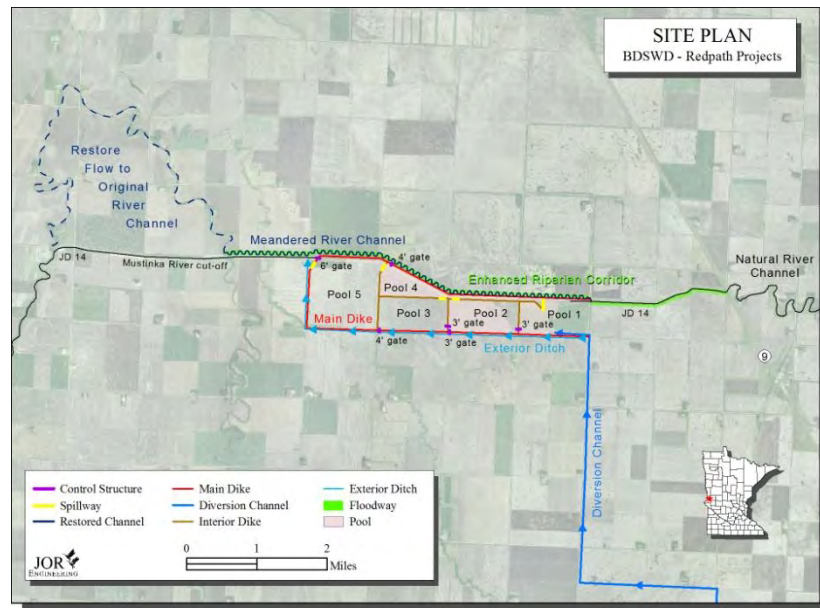
New land acquisitions were made in 2010. These were affiliated with the Redpath Impoundment Project located in Traverse and Grant Counties.

- E ½ Section 21, Redpath Township
- ROW along north edge Section 25, Redpath Township

The board sold some land as well, namely the SE ¼ Section 32, Monson township.

Redpath Project

In 2008, the Board of Managers established the Redpath Project Team and charged them with the task of identifying the problems in the area and reviewing alternative solutions. The team did their work in the first 8 months of the year and recommended a project solution to the Board in August 2008, shown above. The Board prepared a STEP I



submittal for the RRWMB and were granted approval of that STEP I in December 2008.

Additional surveying work and soil borings were completed in 2009 in an effort to further refine the design and operations of the project. After the survey information was reviewed, the engineer had a few recommended changes to the original alternative and presented those to the Project Team in 2009. A STEP II submittal was prepared and approved by the RRWMB in November of 2009.

Support for this project appears to be very widespread, from local landowners to the federal agency level. Staff continue to work on alternatives to put this project together with funding opportunities as they arise. The BdSWD also continues to secure additional funding to acquire the necessary land rights for this project.

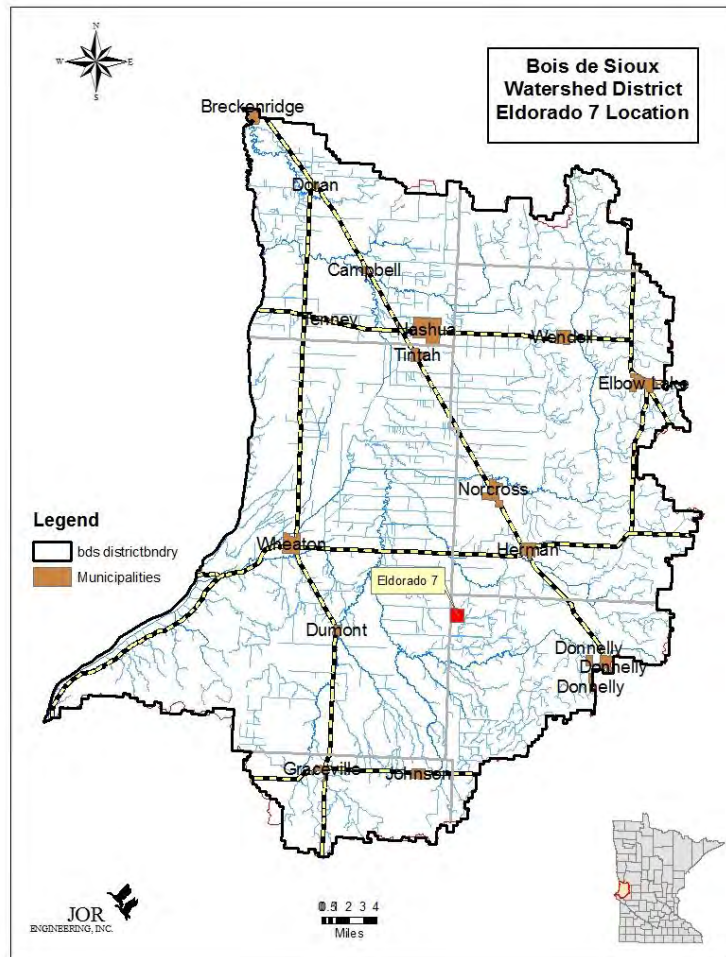
Land appraisals were completed for lands needed for this project. Offers were made to all landowners of the appraised value. Pool 5 of the project is the only land left to acquire for the impoundment proper with additional ROW needed for the TCD #35 area. TCD #35 located on the south side of the impoundment, will be moved to accommodate the south dike footprint and lands will be needed to accomplish this.

Due to the inability to secure funding for the Enhanced Riparian Corridor channel of the Redpath Project, this portion of the project was dropped. The project was in the process

of being redesigned at year end with new proposals to be coming to the PT in March 2012.

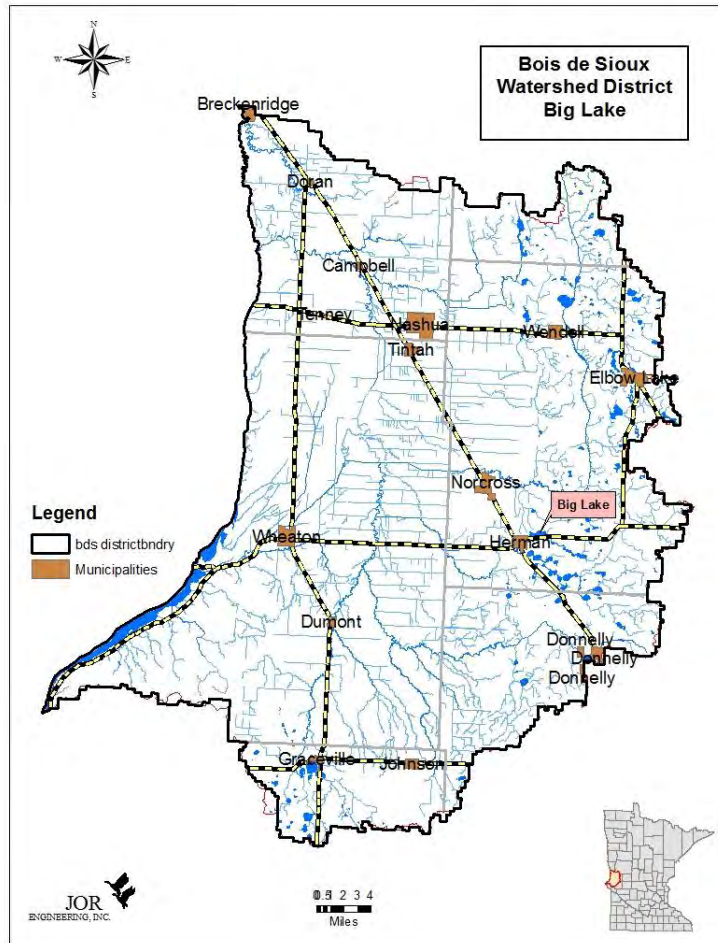
East Branch Twelve Mile Creek Project/Eldorado 7

The East Branch Twelve Mile Creek Project Team did not meet in 2011. In December 2005, the team made a recommendation to the BdSWD Board that there needed to be about 3,300 acre feet of storage implemented in this sub-watershed. There were a few suggested locations for impoundments to provide a part of that storage.



Big Lake

The Bois de Sioux Watershed District received a copy of a letter from the MnDNR regarding their ability to secure necessary land rights to implement water level management on Big Lake located just east of Herman, MN. Outflow from Big Lake flows through the City of Herman. This project would complete the third of three phases identified for flood damage reduction within the City of Herman. The first two phases included a re-design of the city stormwater conveyance system and the outlet channel to Pullman Slough west of the city. Water level control on Big Lake would provide additional protection to the city where flows could be metered through the system in an attempt to prevent exceeding the conveyance system's design capacity.



The City of Herman Council petitioned the BdSWD in early 2008 to establish the Big Lake Project along with two individual landowners. After careful consideration, the BdSWD suggested that they recall the petition and pass a resolution asking the BdSWD to establish the project. This was done to allow the project to fit the statutory requirements and put the City of Herman in a better position to proceed. The BdSWD did establish the Big Lake Project and has initiated contact with the landowners of the land where the outlet work would be done.

Engineer Anderson was instructed to complete the engineer report for this project so that a hearing could be held to move the project forward. Priorities for other projects put those ahead of this project but work does continue to bring this project to fruition.

In fall of 2011, a preliminary engineer report was presented to the board for their review. The final report will be distributed in 2012. Staff are now directed to hold discussions with landowners regarding ROW.

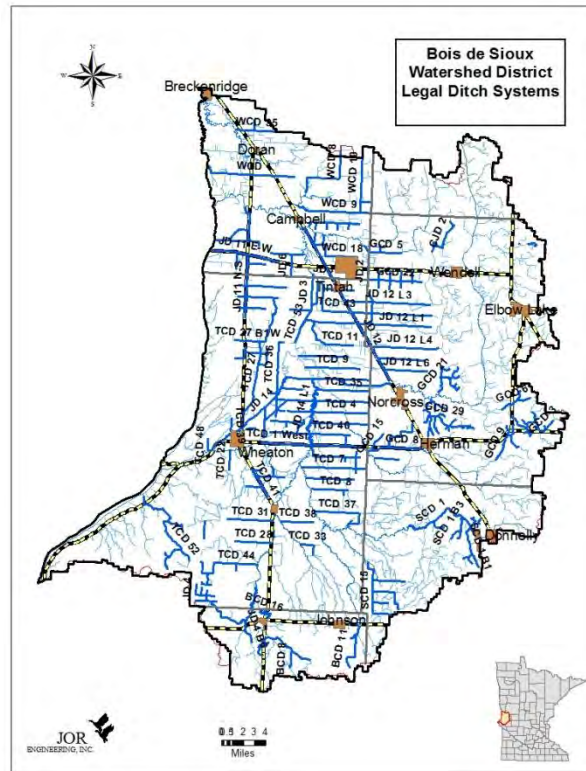
Other activities

- MPCA has provided grant funds to do a full review of the entire Mustinka River system to determine it's condition and develop the Total Maximum Daily Load report and plan for this system. In 2011 stream assessment work was completed in the field and work began on developing the report of the stream condition. Total budget for this work is \$250,000, fully funded by MPCA.
- Spring of 2011 demonstrated a significant flood event in the area. Much work was done for prevention/protection efforts with snow removal within key locations in legal ditch systems. The area was declared a disaster and FEMA dollars were available to recover. Damages were realized on the North Ottawa Project and were covered by FEMA.
- Five (5) Ring dikes were constructed in 2010 through the federal EQIP and AWEPP programs. The district administered the program providing the designs and construction supervision on each of the projects. In 2011, the district wrapped up the last of these ring dike projects.
- The Digital Elevation Model generated with the LiDAR data proves to be very useful and efficient. Additional modeling has been done in the district in regard to the Redpath Project Development, boundary evaluation, work on two additional project areas, and much more.
- Two additional Project Teams were appointed in 2011, namely the Rabbit River Project Team and the West Branch 12 Mile Creek Project Team (WB12MC). The teams met several times to identify the problems in their respective areas and began to identify potential solutions.
- The District, in partnership with the SWCD offices of West Ottertail, Grant, Stevens, Big Stone, and Traverse, were successful for the second time in securing a Clean Water Fund Grant from the Board of Water and Soil Resources Clean Water Legacy Fund in the amount of \$330,000. These funds are being used for implementation of Best Management Practices to improve water quality in the Mustinka River system. This brings the total grant awards to \$460,000 to be used in the Mustinka Watershed.
- The BdSWD was close to wrapping up the Ditch Record Modernization project grant in 2011. All 10 ditch system records, which were identified for this grant project, were scanned to a digital format. Work left on the project for 2012 is to link the data to the systems themselves in the GIS mapping program and develop a system of quick, easy, accurate access.

- **Ditches**

Since 1992 sixty (60) ditch systems have been under the jurisdiction of the Bois de Sioux Watershed District, with JD#3 added in 1995. This includes approximately four hundred (400) lineal miles of ditch. Ditch funds are managed by the district office. Annual ditch inspections are completed each year and a copy of reports are kept on file.

In 2011 there were **14** requests for maintenance submitted to the BdSWD Board of Managers for work. The following table describes these requests. The process that the board has adopted includes research of the ditch records and surveying of the system as necessary.



Ditch	RFM #	Problem
JCD #11, Lateral 7	001-11	Sediment Deltas
TCD #13	002-11	Sediment Deltas from field drains
JCD #12 Main	003-11	Sediment
JCD #12, Lateral 3	004-11	Sediment
WCD #Sub-1	005-11	Sediment
JCD #7	006-11	Sediment
TCD #52	007-11	Sediment Deltas
TCD #10	008-11	Sediment
JCD #11, Lateral 8	009-11	Sediment
TCD #10	010-11	Sediment
TCD #20	011-11	Sediment
TCD #27	012-11	Sediment
TCD #15	013-11	Sediment
JCD #12, Lateral 5	014-11	Sediment

An annual spray program for heavy vegetation and trees in legal ditch systems is also administered by the BdSWD. After the late summer inspections are complete, the areas in need of vegetation control are identified and a contractor is hired to spray for cattails and trees within the ditch banks. See reports on file in the district office.

Specific Ditch Work 2011

Contributed by Gene Berger, WSN Engineering

The 2011 ditch maintenance began prior to the spring runoff with snow removal in JD12 laterals upstream from the North Ottawa Impoundment collection channel and downstream of the impoundment in JD2. Snow removal efforts were also done in the usual locations on TCD1E, TCD8, TCD15 and TCD31.

Ditch maintenance survey was hindered by the excessive wet conditions during the summer. When the rains significantly diminished in late August and throughout the fall we were able to catch up.

The tree and brush control continue with a herbicide contractor revisiting skips on JD2, JD11, JD12 and TCD 37 during the summer. The tree removal contractor working in the JD12 system was able to complete the work due to the open 2011-2012 winter.

TCD52, side inlet 126-48-24

During the 2011 spring runoff this 2009 and 2010 FEMA damage site blew out again. The 2010 repair consisted of monitoring the compaction process to assure proper back filling of the culvert and the inclusion of an overflow spillway. The 2011 failure was determined to be due to "piping". Piping occurs when a small trickle of water along the outside wall of the culvert carries with it particles of soil creating a void which increases the trickle and soil particle removal until the compacted fill collapses into the void and the culvert washes out. The larger the difference in water level from the downstream to upstream of the culvert, the greater the chance for piping to occur. The November, 2011, repair utilized a granular filtration and bedding material to address the piping issue. In theory the filter collects the soil particles which prevents the void from forming.

JD7EastEnd

The east half mile was cleaned by the adjacent landowner to the clay line. The west half mile was staked by WSN and cleaned to the recommended maintenance grade, bottom width and back slope. Spoil was placed in the field and spread.

WCD8

Maintenance excavation was completed from the northwest corner of section 19 to the northwest corner of section 10. The spoil was placed in the field and spread.

JD12 from Tintah to the upstream end

A ditch maintenance survey was completed in mid September. Research, drafting and reporting are taking place this winter.

JD12L3 upstream of North Ottawa diversion channel

A ditch maintenance survey was completed in early October. Research, drafting and reporting are taking place this winter.

JD12L4 upstream of North Ottawa diversion channel

A ditch maintenance survey was completed in late September. Research, drafting and reporting are taking place this winter.

WCD1

A ditch maintenance survey was completed in mid October. Research, drafting and reporting are taking place this winter.

Private ditch in Brandrup Township

An improvement to a private ditch was approved by the BdSWD Board of Managers and the staking was done by WSN. This ditch was improved within the conditions approved by the watershed board.

TCD10, TCD15, TCD20, JD11L8 and JD12L5

Requests for maintenance came in too late for survey to be completed in 2011. These are all scheduled for 2012.

Projections for 2012

- The Bois de Sioux Watershed District will continue to pursue funding for the final phase (Phase V) of construction of the North Ottawa Impoundment project, and continue construction as funds allow.
- The Bois de Sioux Watershed District will conduct the necessary procedures to maintain the 400 lineal miles of legal ditch systems under their jurisdiction. This includes inspections, vegetation control, repairs, accounting, reports, etc.
- The Bois de Sioux Watershed District will continue to work towards acquisition of lands for the purpose of developing projects as these lands come available on the market from willing sellers. These lands will be added to the land account as an investment until such time the projects are developed and these lands are used for said project development.
- The Bois de Sioux Watershed District Board and staff will continue to serve on the many boards, committees, and commissions that they are currently a part of. They will also consider serving any new capacities they are asked to participate in to further the goals of the district and Red River Basin.
- The Bois de Sioux Watershed District will continue to meet with the Redpath Project Team as necessary to continue development of this multi-purpose project.
- The Bois de Sioux Watershed District will continue development of the Big Lake Project near Herman, MN.
- The BdSWD will continue the support for the River Watch Program and encourage new schools to participate.
- The BdSWD will continue to promote education.
- The BdSWD will continue the Buffer Strip/Restoration incentive program with the local SWCD offices.
- The BdSWD will continue to facilitate the 2 new project teams (Rabbit River and WB12MC) to work towards resolving water problems in the Rabbit River subwatershed/planning area and the West Branch Twelve Mile Creek (WB12MC) subwatershed/planning area.

**BOIS DE SIOUX WATERSHED
DISTRICT**

ANNUAL REPORT

CALENDAR YEAR 2011

Appendix

**Bois de Sioux Watershed District
Stream Gage Network 2011
Gage Readers**

Kevin	Pattison	23885 - 170th Street	Elbow Lake	MN	56531	1
Donald	Kruize	23438 County Road 8	Elbow Lake	MN	56531-9233	2
Jim	Haugen	26498 - 240th Avenue	Elbow Lake	MN	56531	3
Chadd	Berger	7382 County Road 14	Wheaton	MN	56296	5
Doug	Engelby	29348 - 340th Ave.	Nashua	MN	56565-9220	8
Tim	Backman	31499 State Hwy 27	Herman	MN	56248	11
Rollie & Jacob	Sperr	56202 130 th Street	Donnelly	MN	56235	12
Orville	Brunkow	63338 - 150th Street	Chokio	MN	56221	13
Brian	Rinke	7350 County Road 6	Wheaton	MN	56296	16
Don	Montonye	Box 1A	Dumont	MN	56236	17
John	Tritz	7159 - 570th Street	Dumont	MN	56236	18
John	Tritz	7159 - 570th Street	Dumont	MN	56236	19
Scott	Bauer	1024 Lake Avenue	Graceville	MN	56240	20
Lon	Tekrony	6744 - 630th Street	Wheaton	MN	56296	21
John	Doll	6807 State Hwy 27	Wheaton	MN	56296	22
Lyndon	Bruns	Box 142	Herman	MN	56248	23
Dan	Wilke	RR1, Box 326	Fairmount	ND	58030	26
DNR	Automatic	Gage Site				
John	Bigalke	401 Broadway	Wheaton	MN	56296	28
Alan	Brutlag	27418 - 280th Street	Wendell	MN	56590	29
Audrey	Johnson	101 - 4th Street West	Tintah	MN	56583	30
Videll	Ahrens	15158 290 th Ave	Tintah	MN	56583-9600	31
Todd	Peterson	302 1st Avenue South	Wheaton	MN	56296	32
Dale	Blume	17668 County Road #11	Norcross	MN	56274-3050	33
Don	Montonye	Box 1A	Dumont	MN	56236	34
Alan	Brutlag	27418 - 280th Avenue	Wendell	MN	56590	35
Frank	Davison	Box 157	Tintah	MN	56583	37
Larry	Schneeberger	25651 290th Avenue	Wendell	MN	56590	39
Duane	Porter	7749 CR 19	Tintah	MN	56583	40
Paul	Daly	16408 - 580th Avenue	Donnelly	MN	56235	41
Paul	Daly	16408 - 580th Avenue	Donnelly	MN	56235	42
Alan	Brutlag	27418 - 280th Avenue	Wendell	MN	56590	44
U.S.Army Corps	of Engineers	6338 County Road 10	Wheaton	MN	56296-5469	45
Douglas	Christenson	2239 - 450th Street	Campbell	MN	56522	49
Douglas	Christenson	2239 - 450th Street	Campbell	MN	56522	50
Doug	Engelby	29348 - 340th Avenue	Nashua	MN	56565-9220	51
Chadd	Berger	7382 County Road 14	Wheaton	MN	56296	54
Vicky Radel &	Steve Berger		Wheaton	MN	56296	

Bois de Sioux Watershed District

Policies and Procedures for Public Access to Documents

Public access to the data of public bodies is governed by the Data Practices Act (DPA), Minnesota Statutes, Chapter 13. The DPA states that data of public bodies are to be available to the public unless specifically exempted under the law in cases where individual privacy would be violated or where other valid concerns outweigh the interest in public availability. The Bois de Sioux Watershed District (BdSWD) recognizes the public interest in open access to its data as well as the public interest that requires that certain types of data not be publicly available. It is the intent of the BdSWD to comply fully with the DPA and, where the DPA allows for the exercise of judgment, to exercise that judgment consistent with the public interests underlying the law.

This policy is adopted pursuant to Section 13.03, Subdivision 2 of the DPA, which states that every public body shall establish procedures to implement the DPA.

Procedure for Review of BdSWD Documents

All requests to inspect or receive copies of BdSWD data, and all other inquiries regarding the DPA, must be in writing and sent by U.S. Mail, addressed to the “Data Practices Compliance Official,” at the following address:

Bois de Sioux Watershed District
704 Highway 75 South
Wheaton, MN 56296

The BdSWD Administrator is designated as the Data Practices Compliance Official.

Requests to inspect or obtain copies of BdSWD data are to be in writing. In the event an individual wishes to inspect BdSWD data, the Data Practices Compliance Official will gather the documents of interest, separate any documents to be withheld from inspection, and see to it that someone is available to assist with the inspection. BdSWD files may not be removed from its office.

The BdSWD will follow the DPA Policy of scheduling inspections within a reasonable time of the request. The response time will vary depending on the complexity of the request and the press of other BdSWD business.

If the BdSWD determines that certain data will not be made available for inspection or copying, it will inform the individual of the basis for denial of access. If requested, the BdSWD will certify in writing that the request has been denied and state the specific basis for denial.

Costs

There is no cost to inspect documents. If document copies are requested, the requesting individual will be charged ten cents (\$0.10) per page for ordinary-sized documents.

With respect to oversize copies, tapes, electronic data, photographs, slides and other unusual formats, the requesting individual will be responsible for the actual cost incurred by the BdSWD to make the copy itself or to use a vendor.

An individual requesting copies or the electronic transmittal of data is responsible to pay the BdSWD the actual cost, including the cost of staff time, to search for and retrieve data and to make, certify, compile and transmit copies. Staff costs will be assessed based upon established hourly rates.

If requested, the BdSWD will advise approximate cost before making said copies. Payment may be made by cash or check. The BdSWD may require payment in advance.

The BdSWD may charge a fee for data that has commercial value and was developed with a significant expenditure by the BdSWD. The BdSWD may also require a license agreement limiting the use of said data.

Adopted: 8-17-2006

North Ottawa Project Team

NAME	Alternate	AFFILIATION
Robert Marts	N/A	BdSWD
Dennis Zimbrick	N/A	BdSWD
Don Davenport	N/A	BdSWD
Dan Ellison	N/A	BdSWD
Jerome Deal	N/A	BdSWD
Linda Vavra	N/A	BdSWD
John Kapphahn	N/A	BdSWD
Jon Pansch	N/A	BdSWD
Robert Roach	N/A	BdSWD
Jack Frederick	Rodger Hemphill	MPCA
Tom Carlson	Kevin Kotts	DNR - Wildlife
Terry Lejcher	Julie Aadlund	DNR - Waters
Norm Haukos	Chris Domeier	DNR - Fisheries
Pete Waller	Brian Dwight	BWSR
Bob Koltes	Jim Ayres	NRCS
Kevin Brennan	J. Eddy Edwards	USFWS
Craig Evans	Tom Raster	USACOE
Vernell Wagner		Grant CC
Luke Hagen	Arne Lutz	Grant Eng.
Dean Kjesbo	Larry Schneeberger	North Ottawa Twp.
Joe Montonye	Loren Olson	Grant SWCD
Gil Voss		Citizen
Chuck Fritz	Julie Goehring	RRBB
Jon Roeschlein	Monica Wilson	BdSWD Staff
Charlie Anderson	Gene Berger	BdSWD Eng.
Jerry Lein		City of Wahpeton
Jon Schneider	Tom Landwehr	DU
Paul Kopel	Noel Kjesbo	Citizen
Jodi Dejong-Hughes	Milan Drewlow	MN Ext. Service
Jody Horntvedt		Facilitator
Henry Van Offelen		MCEA
Wayne Goeken		River Watch
Matt Drewitz	Perry Aasness	Dept. of Agriculture

Moonshine Project Team

NAME	Check - in	Alternate	AFFILIATION
Dennis Zimbrick		N/A	BdSWD
Robert Marts		N/A	BdSWD
Don Davenport		N/A	BdSWD
Dan Ellison		N/A	BdSWD
Jerome Deal		N/A	BdSWD
Linda Vavra		N/A	BdSWD
John Kapphahn		N/A	BdSWD
Jon Pansch		N/A	BdSWD
Tom Deal		N/A	BdSWD
Jack Frederick		Rodger Hemphill	MPCA
Dave Soehren		Tom Carlson	DNR - Wildlife
Skip Wright		Terry Lejcher	DNR - Waters
Norm Haukos		Chris Domeier	DNR - Fisheries
Pete Waller		Brian Dwight	BWSR
Bob Koltes		Jim Ayres	NRCS
Steve Delehanty			USFWS
Craig Evans		Tom Raster	USACOE
Dick Lane		Big Stone Commissioner	B.S.CC/Toqua Lake
Nick Anderson		Big Stone County Hwy.	Big Stone CE
Chuck Fritz		Julie Goehring	RRBB
Jon Roeschlein		Monica Wilson	BdSWD Staff
Charlie Anderson		Gene Berger	BdSWD Engineer
Jon Schneider		Tom Landwehr	DU
Larry Haukos		Mike Doll	Traverse Eng.
Gary Hoffman		Kevin Taffe	Big Stone CLWP
Jodi Dejong-Hughes		Milan Drewlow	MN Ext. Service
Jody Horntvedt			Facilitator
Mary Lane		Scott Bauer	City of Graceville
Diane Vollmers		Gail Thiel	City of Dumont
Jon Pansch		Jim Reynolds	Graceville Twp.
Cheryl Miller		Barb Pardo	Audubon Society
Wally Wulff		Stanley Weeding	Moonshine Twp.
Henry Van Offelen			MCEA
Wayne Goeken			River Watch
Matt Drewitz		Perry Aasness	Dept. of Ag

East Branch 12 Mile Creek Project Team

Greg	Frisch	Alternate Land Owner
Dean	Frisch	Land Owner
Richard	Johnson	Dollymount Twp.
Mark	Baldry	Dollymount Twp.
Steve	Rinke	Alternate Land Owner
Bob	Ringger	Alternate Twp.
Ron	Staples	Alternate Stevens Commissioner
Jeanne	Ennen	Stevens County Commissioner
Gary	Brunkow	Eldorado Twp.
Orville	Brunkow	Land Owner
Pat	Haney	Land Owner
Duane	Wilts	Alternate Eldorado Twp.
Jerry	Bryson	Alternate Eldorado Twp.
Ben	Van Gundy	Ducks Unlimited
Kevin	Kotts	MnDNR Wildlife
Tom	Carlson	Alternate MnDNR Wildlife
Julie	Aadlund	MnDNR Waters
Jack	Fredericks	MPCA
Norm	Haukos	DNR Fisheries
Chris	Domeier	Alternate MnDNR Fisheries
Jerry	Deal	Traverse County Commissioner
Steve	Delehenty	USFWS
Pete	Waller	BWSR
Brian	Dwight	BWSR
Leo	Grabowski	USACOE
Jody	Hornrtvedt	U of M Extension
Henry	Van Offelen	MCEA
Wayne	Goeken	River Watch
Jon	Roeschlein	BdSWD
Linda	Vavra	BdSWD
Charlie	Anderson	WSN Engineering
Dennis	Zimbrick	BdSWD
Robert	Marts	BdSWD
Jerome	Deal	BdSWD
Don	Davenport	BdSWD
Jon	Pansch	BdSWD
Tom	Deal	BdSWD
John	Kapphahn	BdSWD

Dan	Ellison	BdSWD
Sara	Gronfeld	Traverse SWCD
Matt	Solomsass	Stevens SWCD
Gary	Behrens	Alternate Dollymount Twp.
Evelyn	Ashiamah-Finch	Riverwatch
Jeff	Hellerman	Alternate Stevens NRCS

Redpath Project Team

NAME	Alternate	AFFILIATION
Robert Marts		BdSWD
Dennis Zimbrick		BdSWD
Don Davenport		BdSWD
Dan Ellison		BdSWD
Jerome Deal		BdSWD
Linda Vavra		BdSWD
John Kapphahn		BdSWD
Jon Pansch		BdSWD
Tom Deal		BdSWD
Jack Frederick		MPCA
Tom Carlson	Kevin Kotts	DNR - Wildlife
Julie Aadland	Janelle Miersch	DNR - Waters
Norm Haukos	Chris Domeier	DNR - Fisheries
Pete Waller	Brian Dwight	BWSR
Matt Waterworth		NRCS
Stacy Salvavold	Frank Durbian	USFWS
Eric Norton		USACOE
Julie Goehring	Lance Yohe	RRBC
Kevin Leinenger	Jerry Deal	Traverse CC
Larry Haukos	Dave Pohl	Traverse Eng.
Chadd Berger	Cory Morrow	Redpath Township
Sara Gronfeld		Traverse SWCD
Jim Reckner	Anita Antrim	Citizen
Dave Kellen		Citizen
Jon Roeschlein	Monica Wilson	BdSWD Staff
Charlie Anderson	Gene Berger	BdSWD Eng.
Robert Ussgaard	Josh Kavenaugh	DU
Janet Raguse	FYI notice	Traverse Co. Coordinator
Henry Van Offelen		MCEA
Wayne Goeken	E.A. Finch	River Watch
Paul Burns	Perry Aasness	Dept. of Agriculture
Terry Vipond	Roger Derby	Gorton Township
Jason Berger	Casey & Jon Miller	Citizen
Steve Berger	Vicky Radel	Citizen
Paul Wannarka		FDRWG
Thomas C. Athens		BdSWD
Ron Harnack		RRWMB

West Branch 12 Mile Creek Project Team

Tom	Arens	Land Owner
Roger	Nosbusch	Land Owner
James	Reynolds	Land Owner
Douglas	Frisch	Land Owner
Brian	Wulff	Moonshine Twp
Ray	Pansch	Graceville Twp
Philip	Brink	Croke Twp
Ron	Vold	Tara Twp
		Toqua Twp.
		Parnell Twp.
Scott	Bauer	City of Graceville
Steve	Grimes	City of Dumont
Julie	Goehring	RRBC
Kevin	Kotts	MnDNR Wildlife
Tom	Carlson	MnDNR Wildlife
Julie	Aadlund	MnDNR Waters
Lucas	Youngsma	MnDNR Waters
Norm	Haukos	MnDNR Fisheries
Chris	Domeier	MnDNR Fisheries
Matt	Drewitz	MnDOA
		MnDOT
Jack	Fredericks	MPCA
Pete	Waller	BWSR
Sara	Gronfeld	Traverse SWCD
Darin	Welle	Big Stone SWCD
Kevin	Leinenger	Traverse County Commissioner
Jerry	Deal	Traverse County Commissioner
Walt	Wulff	Big Stone County Commissioner
		Big Stone County Commissioner
Larry	Haukos	Traverse Co. Highway
Dave	Pohl	Traverse Co. Highway
Nick	Anderson	Big Stone County Highway
Gary	Haugen	Big Stone County Highway
Bruce	Freske	USFWS
Leo	Grabowski	USACOE
Matt	Waterworth	NRCS - Traverse
Henry	Van Offelen	MCEA

Ben	Van Gundy	Ducks Unlimited
Ron	Harnack	RRWMB
Wayne	Goeken	River Watch
Evelyn	Ashiamah-Finch	River Watch
Jon	Roeschlein	BdSWD
Charlie	Anderson	WSN Engineering
Linda	Vavra	BdSWD
Dennis	Zimbrick	BdSWD
Robert	Marts	BdSWD
Jerome	Deal	BdSWD
Don	Davenport	BdSWD
Jon	Pansch	BdSWD
Tom	Deal	BdSWD
John	Kapphahn	BdSWD
Dan	Ellison	BdSWD

Rabbit River Project Team

Charlie Anderson	WSN Engineering
Gene Berger	WSN Engineering
Cliff Barth	Mayor Breckenridge
City of	Wahpeton
Red River	Basin Commission
Ron Harnack	RRWMB
Paul Wannarka	MnDNR
Tom Carlson	MnDNR Wildlife
Julie Aadland	MnDNR Waters
Mark Henry	MnDNR Fisheries
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	MnDOT
Matt Drewitz	Dept. of Ag
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Pete Waller	BWSR
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Shawn Papon	USFWS
Dan Pazdernik	Wilkin NRCS
Jeff Lepp	Ottertail NRCS
Tracy VanBargen	/Grant Co. Hwy. Engineer
Rick West	OT County Hwy Engineer
Don Bajumpaa	Wilkin SWCD
Joe Montonye	Grant SWCD
Brad Mergens	West OT SWCD
Ben Van Gundy	Ducks Unlimited
Josh Kavanagh	Ducks Unlimited
Henry VanOffelen	MCEA
Joel Borowski	Western Twp.
Tim Deal	Bradford Twp.
Arlin Schalkamp	MnDNR
Andrew Lacey	Lawrence Twp.
Andrew Rieder	Champion Twp.
Evelyn Ashiama-Finch	Riverwatch
Brian Lacey	Citizen
Gilbert Voss	Citizen
Don Davenport	BdSWD

Jerome Deal	BdSWD
Dan Ellison	BdSWD
John Kapphahn	BdSWD
Robert Marts	BdSWD
Jon Pansch	BdSWD
Tom Deal	BdSWD
Linda Vavra	BdSWD
Dennis Zimbrick	BdSWD
Jon Roeschlein	BdSWD Administrator
Scott Smith	NRCS Area Office
Steve Neppl	Wilkin Co. Hwy. Dept.
Dan Swedlund	Wilkin Co. Hwy. Dept.
John Lindquist	OT Co. Commissioner
John Walkup	OT SWCD