



BELLE CREEK WATERSHED DISTRICT

Board Members

President	Les Kylo, 14414 County 50 Blvd, Goodhue 55027
Treasurer	James Hedeem, 15478 Norelius Road, Welch 55089
Secretary	Steve McNamara, 34699 165 th Ave. Way Goodhue 55027

2014 Belle Creek Watershed District Annual Report

In 2014 the Belle Creek Watershed District (BCWD) hosted public meetings, developed cost-shaving maintenance plans, repaired a sinkhole, and carried-out planned maintenance activities on select watershed dams. Below is a list of proposed activities that were identified in the BCWD 5 year plan as adopted in the 2011 Watershed Management Plan. Items highlighted in red were executed in the 2014 calendar year. The attached pages also provide information on the BCWD financial statements and maintenance and construction reports for the structures.

2014

- Spring-Host open house-Discuss past year's project accomplishments and discuss prioritization of objectives for the coming year. *Following the December 2013 meeting, a list of 2014 project goals were clearly laid out for implementation. The Board did not meet in the spring of 2014 for this reason.*
- Fund a project that is in the implementation plan and that was set as a priority during the spring meeting (*see attached To-Do list*)
 - *Repaired sinkhole located within structure S-3 emergency spillway. Completed June 21st 2014 (see attached construction report)*
 - *Continued grazing plan discussion with B. Waugh for R-2*
 - *Veg. Maintenance on structures completed.*
 - *Beaver removal on Dam R-4*
- Conduct Watershed tour with local/state/federal agency for structure inspection and maintenance needs. September 3rd 2014 (*NRCS was not present on this tour, however NRCS Engineer was on site during S-3 repair*)
- Select item(s) from Implementation Plan to accomplish in 2015 with funds available. *The BCWD requested staff to investigate access easement documentation for each BCWD structure. The Board would like to review these easements and make changes where needed and educate surrounding landowners on the legalities.*
- August-Set BCWD levy for 2015. *On September 3rd 2014, the BCWD Board approved a levy of \$20,000 for 2015. This levy amount is the same as the past few years.*

Please contact Beau Kennedy @ Goodhue County SWCD 651-923-5286 with questions regarding this report.

Sincerely,

Chairman

Belle Creek Watershed District

CONSTRUCTION SUMMARY

Construction started on Wednesday, June 11 on the sinkhole portion of the emergency spillway. The sinkholes were excavated incrementally from the north to the south, with 12-18 inches of topsoil over approximately 3 feet of loess covering a rocky residuum. The rocky residuum consisted of various sizes of rock from 5 foot boulder to ¼ inch gravel rock mixed with red clay. No major voids were uncovered, eliminating the need for concrete slats. Geotextile was placed in the bottom of the trench and 1 foot of coarse drain material was placed over.

On Thursday, June 12 the first layer of material was completed and medium drain material was placed over. This material was also placed against the sideslope to capture any lateral flow of water through fractures in the rock. Another sheet of geotextile was laid over the drain material and the trench was backfilled. Excavation began to uncover the first section of the concrete drawdown pipe. Rock present in the fill material above the pipe made excavation difficult. A gap approximately 4 inches wide was exposed at the damaged joint surrounded by rock and free water.

The damaged pipe section was removed the following morning along with the saturated soil. Borrow material was placed and compacted for the pipe subgrade. The riser and pipe were assembled and concrete was poured for the riser base. The end two feet of the 18" pipe was slipped into the 24" concrete and grouted. Final grading was completed on the emergency spillway and the pipe was compacted and backfilled.

Due to rainy weather, final grading, seeding, and installation of the trash rack was completed on June 25.



6/11: Sinkhole excavation and geotextile.



6/12: Medium drain material placement



6/12: Excavation of existing drawdown pipe.



6/13: New riser and pipe grouted into concrete.

Fall 2014 To Do list (following Aug. mtg)

	Comments
✓ Mow and Treat Woody Debris @ Otterness Dam	Zumbro Valley Forestry completed 9/18/14
✓ Mow Duncan's spillway and disturbed area	Oct. 14 Scott Johnson came over and mowed down he spillway and other weeds.
✓ Call All Schumacher about trash guard on Duncan	I replaced trash guard 9/14. Al S. was coming up to clamp it down
✓ Mow Lindel Dam and Treat Sumac	Zumbro Valley Forestry completed 9/23/14
○ Fix splashwell slumping @ Lindel Dam	NRCS Engineer @ I met. Fall construction expected. Call Al Schumacher to get on his list for late Nov.
✓ remove beavers and dam from Lindel	Zemke trapped 4 beaver Sept/Oct. Andy Schumacher dam removal. (1 hour or so)
○ Concrete-grout McNamara Girdle	call from Jim Hedeem: concrete #507-263-5845?? Who? Quality Concrete. In C.F.

~~PAID~~
1300 To Zumbro
Valley Forestry

- UPDATE WEBSITE w/ MINUTES ✓
- CONTACT FLAD TO DO AUDIT - Jim as contact. ✓
- Go. Co. ABSTRACT - continue w/ ENSEMENT searches.
- UPDATE LETTERHEADS. ✓
- MEET w/ INSURANCE

Belle Creek Watershed District

The Belle Creek Watershed Board met on September 3, 2014 with the meeting being held during a field inspection of three watershed district structures. Members present were L. Kylo, J. Hedeem, B. Anderson and B. Kennedy from Goodhue County Soil and Water staff.

We met first at the Otterness structure to view vegetation controls needed. We continued to the Lindell structure to view soil erosion on the outlet cement abutment where the pipe connects to the abutment. Lastly we viewed the Duncan structure where repairs had been made to the inlet on the structure.

We held the meeting at the Duncan structure. The meeting was called to order by Chairman Kylo. The secretary's and treasurers reports were read and approved.

Discussion was held on the vegetation controls need on the structures focusing on the Otterness structure first. B. Anderson moved to spend up to \$3500 on vegetation control on a yearly basis to control vegetation on the structures where need by cutting and spraying as needed. The motion was seconded by J. Hedeem and all voted in favor. B. Kennedy will contact Zumbrota Valley Forestry for controlling vegetation this year and try to get on a yearly schedule for cutting and or spraying the structures that need vegetating control.

Discussion was held on the repair needed to the Lindell structure and B. Kennedy was going to contact NRCS in Rochester MN to have a technician look at the issue at the site and get recommendations on a repair method. Further action will follow the site inspection from NRCS and if time allow repair would e made this fall.

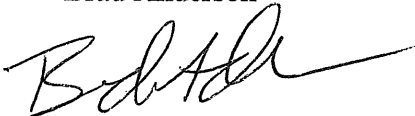
Discussion was held on the need to fill in the space between the outlet pipe and the support saddle on the McNamara structure as mentioned in the report from the inspection by NRCS last year. B. Kennedy will contact a cement contractor to get an estimate to fill the space with cement.

The Duncan structure looked good after the repair made earlier this summer except the structure newly seeded area needs to be cut to allow better grass cover to become established and possibly reseed some areas to get an established grass stand.

The members discussed the fund balances and what level the levy should be set at. The insurance amount on a yearly basis is approximately \$ 7700 per year leaving \$12300 for structure maintenance and administrative costs. The board felt a levy of \$20000 would be adequate amount until we have larger structure maintenance projects to undertake. J. Hedeem moved to set the levy at \$20000 for the next year. B. Anderson seconded the motion and all voted in favor.

As there was no further business the meeting was adjourned.

Brad Anderson



Belle Creek Watershed District

The Belle Creek Watershed District officers met on December 2nd, 2014 at the Goodhue Service Center at 10 AM. Members present were L. Kylo, J. Hedeem, B. Anderson, T. Steger and B. Kennedy.

Chairman Kylo called the meeting to order and the secretary's report was reviewed with J. Hedeem moving approval and B. Anderson seconding the motion and all voting in favor.

The treasures report was reviewed with B. Anderson moving approval and J. Hedeem seconding the motion and all voting in favor.

Bills were approved to S. Johnson, SWCD, and officers pay for the year.

Discussion was held on renewing the signage and the structures. Francis McNamara was contacted but he did not want to take on the project. B. Kennedy showed some pictures of signage he had seen used at other sites and was willing to redo signs for our structures with similar signs. J. Hedeem moved to hire B. Kennedy to replace signs with more information to follow at a future meeting. L. Kylo seconded the motion and all voted in favor.

Repair of structures was discussed with B. Kennedy following up with Quality Concrete being one contact to repair the pipe saddle for the McNamara structure. The repair needed and the Lindell structure at the outlet was delayed until spring these are the most urgent repairs needed. The beavers were removed from the stream below the Lindell structure which will help alleviate the scouring issue at the outlet.

B. Anderson will be going off the board and his replacement will be Steve McNamara. As there was no further business the meeting was adjourned

Brad Anderson