



BELLE CREEK WATERSHED DISTRICT

Board Members

President Les Kylo, 14414 County 50 Blvd, Goodhue 55027
Treasurer James Hedeem, 15478 Norelius Road, Welch
Secretary Brad Anderson, 10679 375th St. Way Cannon Falls 55009

The following is the summary of activities within the Belle Creek Watershed in the calendar year 2013. Below is a portion of the BCWD 5 Year Plan as adopted in the 2011 Watershed Management Plan update. Please see financial and watershed maintenance reports attachments as well.

2013

- Spring-Host open house-Discuss past year's project accomplishments and discuss prioritization of objectives for the coming year. ✓ *April 11th 2013 @ Goodhue SWCD office*
- Fund a project that is in the implementation plan and that was set as a priority during the spring meeting.
 - ✓ *Bd approved spending \$1,000 on c/s project, w/max of \$500/project*
 - __proposed funding for Bruce Waugh fencing project on R2. not completed*
 - __backfill Co Rd 8 drop structures. not completed*
 - __Duncan Dam Repairs. Scheduled for June 2014 construction*
- Conduct Watershed tour with local/state/federal agency for structure inspection and maintenance needs. ✓ *December 12th 2013 (see attached report)*
- Select item(s) from Implementation Plan to accomplish in 2014 with funds available (*costly repairs to Duncan Structure hindered item implementation*)
- Set Rule(s) for District. ✓ *SWCD referred to BWSR for guidance. BWSR said that rules are not necessary for an WD to operate. see email from Doug Thomas*
- August -Set BCWD levy for 2014 ✓ *September 12th 2013 Board set levy @ same rate as 2012 (~\$20,000)*

Please let me know if you have any questions or comments about this report.

Sincerely,

Beau Kennedy
Goodhue SWCD



Natural Resources Conservation Service
330 Elton Hills Drive NW
Rochester, MN 55901-2476
Phone: (507) 289-7454
Fax: (507) 289-3742

TO: Belle Creek Watershed Board
RE: Inspection Tour

December 12, 2013

The inspection of the Belle Creek Watershed structures was held December 12, 2013. Attendees: members of the SWCD and BCWS are listed on the final page of the PDM-001B form. Representing NRCS: Aaron Peter, Area Engineer; Tom Steger, DC Goodhue County.

The five reservoirs and three stabilizing structures were all visited. Due to the slight snow cover, some observations regarding vegetation or minor erosion could not be accessed.

R-2

Emergency spillway had been cleared of brush; burn piles need to be disposed of.

Critical Items: none

Minor Items Explanation: Minor obstruction at PS inlet. Several small trees were starting to grow on the LDS gutter area and some more mature ones at the impact basin.

R-1

Bush growing on frontslope.

Critical Items: none

Minor Items Explanation: none

R-4

Critical Items: a void has formed behind the impact basin headwall. This should be investigated to find the cause and filled in.

Minor Items Explanation: safety grate needs to be replaced (old one is nearby with weeds growing through it).



void behind headwall, approx. 2-3' deep.





Debris catching on the inlet continues to be an issue and should be monitored and regularly cleaned off.

R-5

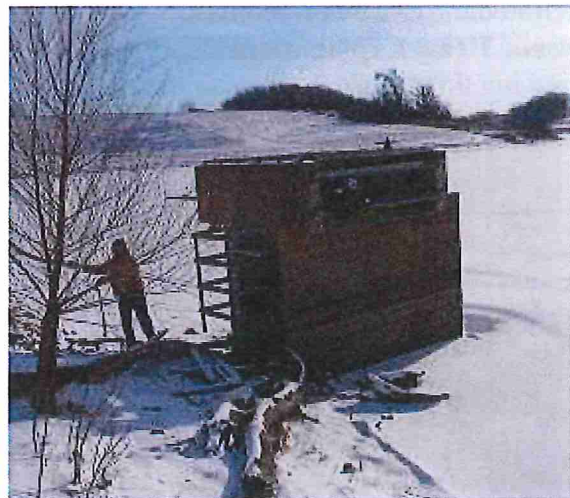
Critical Items: none

Minor Items Explanation: There are mature trees growing next to the outlet pipe. They should be removed immediately. One has tipped and is leaning against the pipe. The ice house should not be parked in the E.S.

S-3

This site is currently awaiting EWP repairs. A sinkhole developed in the ES and there was joint separation of the drawdown pipe. Both are to be repaired immediately next spring (2014).

R-9



Minor Items: tree near inlet

Critical Items: The support pad under the outlet pipe has settled; grout should be used to fill the void.

S-2 Drop structures

Minor Items: wing walls on both structures should have fill material placed behind them. The downstream site needs more fill behind the LDS wall. Also, riprap should be replaced in front of the downstream structure's weir.

Critical Items: none

Summary

The watershed board continues to perform regular maintenance and did a commendable job cleaning up debris and making most recommended repairs after severe storms last summer (2012). Some vegetation is growing and needs to be trimmed or mowed on several of the embankment slopes. Beside the S-3 EWP repairs, the most pressing item would be closely examining R-4 to determine the problem with the void behind the outlet headwall.



Submitted

Aaron Peter, Area Engineer

Cc: Jim Fritz, acting ASTC(FO), NRCS Rochester
Anna Bramblett, SCE, NRCS St. Paul

MAINTENANCE INSPECTION SHEET
FLOODWATER RETARDING & MULTIPLE-PURPOSE STRUCTURES
Multiple Structures

PROJECT: Belle Creek

DATE OF INSPECTION: December 12, 2013

COUNTY: Goodhue County

For each item in the table below, indicate the degree of damage: **M**=minor, **C**=critical, **NA**=not applicable, **None**=none. At the top of each column, indicate the site being evaluated. For example, in a watershed with three structures, three columns may be labeled for use with the structures inspected (KR-6, J-14 and C-5) and the remainder left blank.

Local Name	Otterness	Scheffler	Lindell	Hokenson		McNamara	
Item	R-2	R-1	R-4	R-5	S-3	R-9	S-2 (A&B)
1. Principal spillway					(EWP Repairs scheduled for spring 2014)		
a. Damage to outlet or riser			C Void behind outlet headwall				
b. Obstructions, logs, brush, trash, etc.	M		M				
c. Seepage							
d. Separation of joints (observation)			Cause of void?			C void under pipe, cradle has settled	
e. Cracks or breaks							
f. Differential Settlement (Observation)							
2. Emergency Spillways (both inlet and outlet channels)							
a. Inadequate vegetation							
b. Banks – rills and gullies							
c. Channel erosion							
d. Obstructions, weeds, brush, logs, etc.	Brush piles need to be disposed of.		M				
e. Excessive deposition			M				

Item	R-2	R-1	R-4	R-5	S-3	R-9	S-2 (A&B)
3. Embankments							
a. Settlement or cracking							
b. Erosion				M Front slope wave damage			M Fill behind wing walls
c. Leakage or seepage							
d. Damaged by wildlife, livestock, etc.				M Overgrazed			
e. Inadequate vegetation							
f. Excessive vegetation, weeds, brush, etc.	M Backslope LDS gutter & near outlet	M Frontslope	M Backslope	M Trees near outlet		M	
4. Impoundment Area							
a. Excessive sedimentation							
b. Debris							
5. Fences and Gates			M Safety grate missing				
a. Loose or damaged posts							
b. Loose or broken wires							
c. Debris accumulation							
6. Damaged Sod Chutes							
7. Damaged Riprap							
8. Drainage System							
9. Borrow Areas							
Hazard Class	S	S	S	L	L	L	N/A

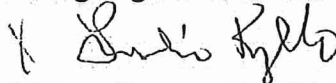
Members of inspection team: Beau Kennedy, Les Kyllö, Brad Anderson, James Hedeem, Aaron Peter, Tom Steger,

Remarks:
See attached report.

The maintenance items above will be completed by (who and when):
Items will be addressed by the board and prioritized based on funding, accessibility, and level of concern.

What is the current hazard class of this dam? *See attached report.*
Has any development occurred or is planned that may change the hazard class now or in the next 5 years?
No.

Name of Representative of Local Contracting Organization: Les Kyllö Belle Creek Watershed District



Name of Representative of the Soil and Water Conservation District: Beau Kennedy

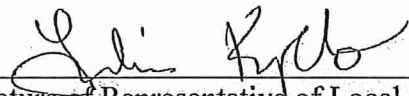


Name of Representative of NRCS: Aaron Peter, Area Engineer



*(On the original paper copy, these three individuals should sign their names after their agency.)
File original paper copy in local records. Send electronic copy to State Conservation Engineer as soon after the inspection is complete as possible.*

I hereby give permission for the NRCS to release a copy of this inspection report to the Minnesota Department of Natural Resources, Dam Safety.


Signature of Representative of Local Contracting Organization

1-14-14
Date

Belle Creek Structure Inspection December 12th 2013

R1

- UPS -Debris on inlet
 - berm has willows present w/small shrubs. Must chemically treat in 2014
- Spillway looks good
- DS -good

R2

- DS - removed trees near outlet. Focus on parsnip management in 2014.
- UPS
- Spillway- small boxelders were removed from spillway (mowed by ZVF) and Black Locust removed from edge of spillway ~ 0.5 acre.(Otterness) Need to burn 2 large piles of brush within spillway ASAP.

R4 Lindell

- Spillway - needs mowing in 2014 to control small brush
- UPS -debris removal and burn.
- DS - mow sumac around outlet.
 - Excavate behind splash basin and fill subsidence in 2014. Use excavator to remove and replace safety guard.

Hokanson Dam

- UPS -toe of embankment is eroding badly along the water's edge. the presence of cattle in this area is adding to the problem. Area is being over-grazed and a more manageable rotation is necessary.
- DS - removal of trees at toe of structure needed in 2014. C. Hokanson will contact Ron Safe to get estimate.
 - Adjust cattle fence to prevent cattle paths near the outlet.

Duncan Dam

- UPS -repair of inlet structure and sinkhole scheduled for spring of 2014.
- DS -
- Spillway - sinkhole identified. will repair with inlet structure in 2014.

McNamara Dam- (no flow)

- UPS -minor debris cleaning needed at inlet.
- DS - gap between pipe and support column. needs to be addressed in 2014.

Johnson Drop Structure - Back fill wing walls

Garnider Drop Structure- L and R DS backfill wing walls and remove brush.

**GOODHUE COUNTY
RED WING, MINNESOTA**

EXHIBIT E-1

**STATEMENT OF NET POSITION AND GOVERNMENTAL FUND BALANCE SHEET
BELLE CREEK WATERSHED COMPONENT UNIT
FOR THE YEAR ENDED DECEMBER 31, 2013**

	General Fund	Reconciliation	Statement of Net Position
<u>Assets</u>			
Cash and pooled investments	\$ 255,906	\$ -	\$ 255,906
Accrued interest receivable	165	-	165
Due from other governments	270	-	270
Due from primary government	4	-	4
Capital assets			
Not depreciable - land	-	378,550	378,550
Total Assets	\$ 256,345	\$ 378,550	\$ 634,895
<u>Liabilities</u>			
Due to other governments	\$ -	\$ -	\$ -
<u>Fund Balance/Net Position</u>			
Fund Balance			
Unassigned	256,345	(243,846)	
Total Liabilities and Fund Balance	\$ 256,345		
Net Position			
Net investment in capital assets		\$ 378,550	\$ 378,550
Unrestricted		243,846	243,846
Total Net Position		\$ 622,396	\$ 622,396
Reconciliation of the General Fund Balance to Net Position			
Fund Balance - Governmental Fund			\$ 256,345
Capital assets are reported in the Statement of Net Position but not on the fund balance sheet.			378,550
Net Position - Governmental Activities			\$ 634,895

**GOODHUE COUNTY
RED WING, MINNESOTA**

EXHIBIT E-2

**STATEMENT OF ACTIVITIES AND GOVERNMENTAL FUND REVENUES,
EXPENDITURES, AND CHANGES IN FUND BALANCE
BELLE CREEK WATERSHED COMPONENT UNIT
FOR THE YEAR ENDED DECEMBER 31, 2013**

	General Fund	Reconciliation	Statement of Activities
Revenues			
Taxes	\$ 19,517	\$ -	\$ 19,517
Intergovernmental	541	-	541
Investment earnings	1,907	-	1,907
Miscellaneous	-	-	-
	\$ 21,965	\$ -	\$ 21,965
Expenditures/Expenses			
Current			
General government	9,466	-	9,466
	\$ 12,499	\$ -	\$ 12,499
Excess of Revenues Over (Under) Expenditures/Expenses			
	\$ 243,846	\$ 378,550	\$ 622,396
Fund Balance/Net Position - January 1	243,846	378,550	622,396
Fund Balance/Net Position - December 31	\$ 256,345	\$ 378,550	\$ 634,895

The only difference between the modified and full accrual for the District is capital assets consisting of nondepreciable land.

**Goodhue County
Belle Creek Watershed
Component Unit
Accrued Interest
YE 12/31/13**

CD	Acquisition Date	Maturity Date	Days to Accrue	Amount	Interest Rate	Accrued Interest
40052**	12/31/2012	12/31/2014	0	\$ 54,207.63	0.65%	\$ -
40053**	12/31/2011	12/31/2014	0	56,440.96	1.00%	-
40054**	12/31/2011	12/31/2014	0	9,240.04	0.85%	-
40210**	1/7/2013	1/7/2016	85	60,189.43	0.90%	126
20278***	7/25/2013	7/25/2016	159	7,500.00	0.75%	25
40141*	7/25/2012	7/25/2015	67	7,500.00	0.75%	10
18640*	12/29/2012	12/29/2015	1	5,000.00	0.65%	0
20415*	12/29/2013	12/29/2016	1	5,000.00	0.65%	0
				<u>\$ 205,078.06</u>		<u>\$ 161</u>
9406103	Money Market Account			28,027.00	0.30%	3
7000118	Checking Account			22,801.16	0.10%	1
			Bank Balance	<u>\$ 255,906.22</u>		<u>\$ 165</u>
			Outstanding Deposits			
			Outstanding Checks			
			Adjusted Balance	<u>255,906.22</u>		

* Interest allocated to checking account quarterly

** Interest allocated to cd quarterly

*** Interest allocated to checking account annually

**** Interest paid at maturity

All Interest rates confirmed per White Rock Bank as of 12-31-2013

TB Journal Entries:

1001	Cash	351	
5701.988	Interest on Investments To Record Interest on CD 40052		351
1001	Cash	561	
5701.988	Interest on Investments To Record Interest on CD 40053		561
1001	Cash	78	
5701.988	Interest on Investments To Record Interest on CD 40054		78
1001	Cash	644	
5701.988	Interest on Investments To Record Interest on CD 40210		644
1001	Cash	115	
5701.988	Interest on Investments To Record Monthly Interest on Money Market Acct 9406103		115
1230	Accrued Interest Receivable	165	
5701.988	Interest on Investments To Record 2013 Accrued Interest		165

Collateral Check:

\$ 255,906.22	Balance in Accounts
<u>250,000.00</u>	Less: FDIC Insurance
5,906.22	Subtotal
6,496.84	Required Collateral (110%)
	Collateral Per Bank
<u>N/A</u>	Over/(Under) Collateralized

**BELLE CREEK WATERSHED
2013 Checking Account Activity**

Balance December 31, 2012		\$ 11,691.51	
<u>Interest from C.O.D.'s</u>			
	18640	32.49	
	20278	92.55	
	40141	56.25	
			181.29 5701.988
<u>Interest on Checking Acct (7000118)</u>			
			13.90 5701.988
<u>Deposited Other Deposits</u>			
1/29/2013	1/25/2013 Goodhue County (Taxes)	314.79	
7/10/2013	7/3/2013 Goodhue County (Taxes)	10,065.09	
12/9/2013	12/3/13 Goodhue County	9,217.66	
			\$ 19,597.54 5001.981
1/3/2013	12/2012 State Aid	281.31	
11/5/2013	10/2013 State Aid	270.52	
			\$ 551.83 5226.986

<u>Date</u>	<u>Other Deposits</u>
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<u>Date</u>	<u>Checks Issued</u>		<u>Disbursement Description</u>
2/10/2013	#1110 MN State Auditor	120.00	2011 Annual Audit
4/4/2013	#1111 Western Natural Ins Co	6,843.00	Liability Insurance
4/15/2013	#1112 MN Assoc. of Watershed Distruc	419.93	2013 Dues
4/15/2013	#1113 Zumbro Valley Forestry	270.00	Brush Clearing
6/25/2013	#1114 MN Join Underwriter Assoc.	499.00	MJUA Coverage
9/20/2013	MN Join Underwriter Assoc.	(176.27)	Refund
	#1115 Voided	-	Voided Check
11/25/2013	#1116 Eric Gullickson	200.00	Beaver Control
12/12/2013	#1117 James Heden	359.07	Office Salary
12/12/2013	#1118 Les Kylo	399.98	Office Salary
12/12/2013	#1119 Brad Anderson	300.20	Office Salary

(9,234.91)

Balance December 31, 2013 \$ 22,801.16

<u>Receivables</u>			
1/3/2014	12/2013 State Aid	270.52	MV Credit Aid
1/29/2014	1/25/14 Goodhue County	235.22	Tax Settlement Check
	Goodhue County	(231.00)	Corr. County paid 2012 Audit Bill
<u>Payables</u>			
	State Auditor		2012 Audit Bill