



## Grant All-Detail Report 2012 Southern Minnesota Flood Relief

**Grant Title** - 2012 Southern Minnesota Flood Relief - Nicollet (SWCD)

**Grant ID** - C13-1988

**Organization** - Nicollet SWCD

<b>Grant Awarded Amount</b>	<b>\$385,800.00</b>	<b>Grant Execution Date</b>	
<b>Required Match Amount</b>	\$0.00	<b>Grant End Date</b>	1/1/2020
<b>Required Match %</b>	0%	<b>Grant Day To Day Contact</b>	Kevin Ostermann

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$331,297.03	\$331,297.03	\$0.00
Total Match Amount	\$1,325.00	\$1,325.00	\$0.00
Total Other Funds	\$61,346.00	\$61,346.00	\$0.00
<b>Total</b>	<b>\$393,968.03</b>	<b>\$393,968.03</b>	<b>\$0.00</b>

\*Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

### Budget Details

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Chris Krohn 1(12)	Agricultural Practices	Current State Grant	2012 Southern Minnesota Flood Relief - Nicollet (SWCD)	\$61,746.00	\$61,746.00	12/3/2015	N
Chris Krohn 1(12)	Agricultural Practices	Landowner Fund	Landowner Contribution	\$1,325.00	\$1,325.00	12/5/2012	Y
Chris Krohn 1(12)	Agricultural Practices	Other Funds	Flood Reduction Grant	\$61,346.00	\$61,346.00	12/5/2012	Y
Craig Hanson 2(12) & 6(12)	Agricultural Practices	Current State Grant	2012 Southern Minnesota Flood Relief - Nicollet (SWCD)	\$80,013.40	\$80,013.40	10/7/2015	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Craig Hanson 8(12)	Agricultural Practices	Current State Grant	2012 Southern Minnesota Flood Relief - Nicollet (SWCD)	\$14,945.00	\$14,945.00	12/7/2016	N
Edmundson 5(12)	Agricultural Practices	Current State Grant	2012 Southern Minnesota Flood Relief - Nicollet (SWCD)	\$26,748.09	\$26,748.09	6/29/2016	N
Engineer/Design	Technical/Engineering Assistance	Current State Grant	2012 Southern Minnesota Flood Relief - Nicollet (SWCD)	\$30,000.00	\$30,000.00	12/29/2017	N
Kamps 7(12)	Agricultural Practices	Current State Grant	2012 Southern Minnesota Flood Relief - Nicollet (SWCD)	\$71,107.04	\$71,107.04	8/2/2017	N
Mikkelson 3(12)	Agricultural Practices	Current State Grant	2012 Southern Minnesota Flood Relief - Nicollet (SWCD)	\$19,897.50	\$19,897.50	7/12/2017	N
Taylor 4(12)	Agricultural Practices	Current State Grant	2012 Southern Minnesota Flood Relief - Nicollet (SWCD)	\$26,840.00	\$26,840.00	6/29/2016	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
410 - Grade Stabilization Structure	1	2	58.8 AC	58.8 AC
362 - Diversion	2	2	200 LINEAR FEET	200 LINEAR FEET
638 - Water and Sediment Control Basin	2	2	2 COUNT	2 COUNT
638 - Water and Sediment Control Basin	1	1	88.1 AC	88.1 AC
638 - Water and Sediment Control Basin	1	1	350 LINEAR FEET	350 LINEAR FEET
410 - Grade Stabilization Structure	3	2	3 COUNT	2 COUNT
164M - Pond maintenance	1	1	1 COUNT	1 COUNT
410 - Grade Stabilization Structure	1	1	0.6 AC	AC

## Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
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### Final Indicators Summary

Indicator Name	Total Value	Unit
SEDIMENT (TSS)	1,352.16	TONS/YR
PHOSPHORUS (EST. REDUCTION)	1,486.59	LBS/YR
SOIL (EST. SAVINGS)	1,489.66	TONS/YR

### Grant Activity

Grant Activity - Chris Krohn 1(12)			
Description	Grade Stabilization Structure install on 58.8 acre watershed area.		
Category	AGRICULTURAL PRACTICES		
Start Date	7-Nov-12	End Date	05-Dec-12
Has Rates and Hours?	No		
Actual Results	One Grade Stabilization Structure installed capturing 58.8 acres of watershed runoff. Pollution Reduction estimate of 1,070 lb P/yr, 933 tons TSS/yr, and 933 tons Soil/yr. Total cost of project was \$62,671.00, with \$61,346.00 paid out from 2012 MnDOT Grant and landowner paying \$1,325.00 out of pocket for cost of installing larger tile than required in Engineering Plan.		

Activity Action - Chris Krohn Grade Stabilization Structure			
Practice	410 - Grade Stabilization Structure	Count of Activities	1
Description	58.8 Acre Watershed Captured		
Proposed Size / Units	58.80 AC	Lifespan	30 Years
Actual Size/Units	58.80 AC	Installed Date	30-Nov-12
Mapped Activities	2 Point(s)		

Final Indicator for Chris Krohn Grade Stabilization Structure			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1073
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Minnesota River		

Final Indicator for Chris Krohn Grade Stabilization Structure			
Indicator Name	SOIL (EST. SAVINGS)	Value	933
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Minnesota River		
Final Indicator for Chris Krohn Grade Stabilization Structure			
Indicator Name	SEDIMENT (TSS)	Value	933
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Minnesota River		

Grant Activity - Craig Hanson 2(12) & 6(12)			
Description	Craig Hanson Erosion Control Project. Sediment Control Basin in combination with channel rock weirs and low flow control. Diversions Installed in 2015		
Category	AGRICULTURAL PRACTICES		
Start Date	25-Nov-14	End Date	07-Oct-15
Has Rates and Hours?	No		
Actual Results	Issued partial payment 12/3/14 on project in progress. Project was shut down by engineer due to December freeze up. Project completed 5/5/15 and final payment complete. Project included the installation of a Sediment Control Basin with low flow outlet, main flow outlet and emergency spillway. Channel rock weirs were also installed through the channel bed upstream of the Basin. In September 2015, 2 Diversion Structures were installed to control additional runoff that was running parallel to the main channel.		

Activity Action - Hanson MNDOT			
Practice	638 - Water and Sediment Control Basin	Count of Activities	1
Description	Installation of Grade Stabilization and channel erosion control structures on site. Site work completed Spring 2015.		
Proposed Size / Units	88.10 AC	Lifespan	30 Years
Actual Size/Units	88.10 AC	Installed Date	5-May-15
Mapped Activities	1 Point(s)		

Final Indicator for Hanson MNDOT			
Indicator Name	SEDIMENT (TSS)	Value	181.33
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Ox Bow		

Final Indicator for Hanson MNDOT			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	181.33
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Ox Bow		
Final Indicator for Hanson MNDOT			
Indicator Name	SOIL (EST. SAVINGS)	Value	181.33
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Ox Bow		

Activity Action - MNDOT 6(12)			
Practice	362 - Diversion	Count of Activities	2
Description	2 Diversions Installed, 100ft Each		
Proposed Size / Units	200.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	200.00 LINEAR FEET	Installed Date	3-Oct-15
Mapped Activities	2 Line(s)		

Grant Activity - Craig Hanson 8(12)			
Description	Craig Hanson 8(12) - Remove Sediment from pond		
Category	AGRICULTURAL PRACTICES		
Start Date	3-Aug-16	End Date	07-Dec-16
Has Rates and Hours?	No		
Actual Results	Removed 800 cubic yards of sediment from pond structure		

Activity Action - Criag Hanson 8(12)			
Practice	164M - Pond maintenance	Count of Activities	1
Description	Pond Clean Out		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	7-Dec-16
Mapped Activities	1 Point(s)		

Grant Activity - Edmundson 5(12)			
Description	Grade Stabilization Structure Install.		
Category	AGRICULTURAL PRACTICES		
Start Date	11-Aug-15	End Date	29-Jun-16
Has Rates and Hours?	No		
Actual Results	One Grade Stabilization Structure and Basin installed.		

Activity Action - Grade Stabilization Structure			
Practice	410 - Grade Stabilization Structure	Count of Activities	1
Description			
Proposed Size / Units	0.60 AC	Lifespan	10 Years
Actual Size/Units	AC	Installed Date	
Mapped Activities	1 Point(s)		

Final Indicator for Grade Stabilization Structure			
Indicator Name	SEDIMENT (TSS)	Value	22.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Minnesota River		

Final Indicator for Grade Stabilization Structure			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	26.16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Minnesota River		

Final Indicator for Grade Stabilization Structure			
Indicator Name	SOIL (EST. SAVINGS)	Value	22.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Minnesota River		

Grant Activity - Engineer/Design			
Description	Nicollet SWCD, SCTSA, and local engineer firm(s) will provide technical assistance for project design, construction and as-built. Technical Staff used to design projects will be overseen by licensed engineer through South Central Technical Services Provider (Ryan Jones) or local engineer firm(s). Staff and engineers are trained in the installation of Best Management Practices.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	18-Apr-12	End Date	
Has Rates and Hours?	No		
Actual Results	Funds spent on TSA engineering services for Krohn Grade Stabilization Project and Craig Hanson Sediment Control Basin Install.		

Grant Activity - Kamps 7(12)			
Description	Two Grade Stabilization Structures to be installed.		
Category	AGRICULTURAL PRACTICES		
Start Date	1-May-17	End Date	02-Aug-17
Has Rates and Hours?	No		
Actual Results	Two Structures installed on site. Large erosion area filled in and secured due to light soils on site. Erosion fabric installed in channel.		

Activity Action - Grade Stabilization Structures			
Practice	410 - Grade Stabilization Structure	Count of Activities	3
Description	Two Structures. A 3rd structure location was not possible due to storage limitations.		
Proposed Size / Units	3.00 COUNT	Lifespan	10 Years
Actual Size/Units	2.00 COUNT	Installed Date	21-Jul-17
Mapped Activities	2 Point(s)		

Final Indicator for Grade Stabilization Structures			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	116.88
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Minnesota River		
Final Indicator for Grade Stabilization Structures			
Indicator Name	SOIL (EST. SAVINGS)	Value	275.00

<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Minnesota River		
<b>Final Indicator for Grade Stabilization Structures</b>			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	137.5
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Minnesota River		

<b>Grant Activity - Mikkelson 3(12)</b>			
<b>Description</b>	Grade Stabilization Structure / WASC OB install.		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	11-Aug-15	<b>End Date</b>	12-Jul-17
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	Installation of a Grade Stabilization Structure has been completed.		

<b>Activity Action - Grade Stab. / WASC OB</b>			
<b>Practice</b>	638 - Water and Sediment Control Basin	<b>Count of Activities</b>	1
<b>Description</b>	Grade Stabilization Structure		
<b>Proposed Size / Units</b>	350.00 LINEAR FEET	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	350.00 LINEAR FEET	<b>Installed Date</b>	19-May-17
<b>Mapped Activities</b>	1 Point(s)		

<b>Final Indicator for Grade Stab. / WASC OB</b>			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	23.33
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Minnesota River		

<b>Final Indicator for Grade Stab. / WASC OB</b>			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	23.33
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Minnesota River		

<b>Final Indicator for Grade Stab. / WASC OB</b>			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	26.83
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Minnesota River		



Grant Activity - Taylor 4(12)			
Description	Water and Sediment Control basin (2 Structures) install.		
Category	AGRICULTURAL PRACTICES		
Start Date	11-Aug-15	End Date	29-Jun-16
Has Rates and Hours?	No		
Actual Results	2 WASCOB structures installed.		

Activity Action - WASCOB			
Practice	638 - Water and Sediment Control Basin	Count of Activities	2
Description	2 WASCOB Structures with secure outlet		
Proposed Size / Units	2.00 COUNT	Lifespan	10 Years
Actual Size/Units	2.00 COUNT	Installed Date	2-Jun-16
Mapped Activities	2 Point(s)		

Final Indicator for WASCOB			
Indicator Name	SEDIMENT (TSS)	Value	54.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Minnesota River		

Final Indicator for WASCOB			
Indicator Name	SOIL (EST. SAVINGS)	Value	54.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Minnesota River		

Final Indicator for WASCOB			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	62.39
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Minnesota River		

## Grant Attachments

Document Name	Document Type	Description
12FloodRelief_ReturnFunds_SibleySWCD	Grant	2012 Southern Minnesota Flood Relief - Nicollet (SWCD)

Document Name	Document Type	Description
<b>2012 Flood Relief Interim Financial Report</b>	Grant	2012 Southern Minnesota Flood Relief - Nicollet (SWCD)
<b>40Percent Payment Request</b>	Grant	2012 Southern Minnesota Flood Relief - Nicollet (SWCD)
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/23/2015
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/13/2015
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/28/2015
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/28/2014
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/24/2014
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/04/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/20/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/25/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 07/07/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 07/01/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/08/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/04/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/25/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/26/2016
<b>All Details Report 9/10/2013</b>	Journal	Journal Dated - 09/10/2013
<b>Amendment</b>	Grant	2012 Southern Minnesota Flood Relief - Nicollet (SWCD)
<b>Amendment</b>	Grant	2012 Southern Minnesota Flood Relief - Nicollet (SWCD)
<b>Executed Amendment</b>	Grant	2012 Southern Minnesota Flood Relief - Nicollet (SWCD)
<b>Extension Request</b>	Journal	Journal Dated - 03/31/2015
<b>Extension Request (4-5-16)</b>	Journal	Journal Dated - 04/05/2016
<b>Final Financial Report 2012 Flood Relief</b>	Grant	2012 Southern Minnesota Flood Relief - Nicollet (SWCD)
<b>Reporting Review email (2-13-2015)</b>	Journal	Journal Dated - 02/13/2015
<b>grant_app_general-added.rpt</b>	Grant	2012 Southern Minnesota Flood Relief - Nicollet (SWCD)