



Grant All-Detail Report Projects and Practices 2015

Grant Title - Lake Volney Targeted Restoration

Grant ID - C15-3594

Organization - Le Sueur County

Original Awarded Amount	\$325,240.00	Grant Execution Date	5/6/2015
Required Match Amount	\$81,310.00	Original Grant End Date	12/31/2018
Required Match %	25%	Grant Day To Day Contact	Josh Mankowski
Current Awarded Amount	\$325,240.00	Current End Date	12/31/2018

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$325,240.00	\$325,240.00	\$0.00
Total Match Amount	\$93,111.97	\$93,111.87	\$0.10
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$418,351.97	\$418,351.87	\$0.10

**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
01 Volney Storm Basin	Urban Stormwater Management Practices	Current State Grant	Lake Volney Targeted Restoration	\$27,873.00	\$27,873.00	1/10/2017	N
010 Technical Assistance	Technical/Engineering Assistance	Current State Grant	Lake Volney Targeted Restoration	\$49,279.77	\$49,279.77	12/18/2018	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
011 Project Coordination and Management	Administration /Coordination	Current State Grant	Lake Volney Targeted Restoration	\$21,278.00	\$21,278.00	12/31/2018	N
02 Drainage Easement reconfiguration	Streambank or Shoreline Protection	Current State Grant	Lake Volney Targeted Restoration	\$33,981.00	\$33,981.00	3/14/2017	N
02 Drainage Easement reconfiguration	Streambank or Shoreline Protection	Landowner Fund	Match	\$10,644.55	\$10,644.55	3/14/2017	Y
03 Ag Retention	Agricultural Practices	Current State Grant	Lake Volney Targeted Restoration	\$35,142.00	\$35,142.00	6/12/2018	N
04 AMA Armor Outlet	Streambank or Shoreline Protection	Current State Grant	Lake Volney Targeted Restoration	\$2,035.00	\$2,035.00	10/31/2016	N
05 Lake Volney Lane Runoff Redirect	Urban Stormwater Management Practices	Current State Grant	Lake Volney Targeted Restoration	\$7,360.50	\$7,360.50	9/12/2017	N
06 Enhance degraded wetland and failed private ditch, create spawning habitat	Agricultural Practices	Current State Grant	Lake Volney Targeted Restoration	\$16,962.50	\$16,962.50	11/14/2017	N
07 North armor outlet	Streambank or Shoreline Protection	Current State Grant	Lake Volney Targeted Restoration	\$10,231.20	\$10,231.20	4/11/2017	N
07 North armor outlet	Streambank or Shoreline Protection	Landowner Fund	Match	\$1,136.80	\$1,136.80	4/11/2017	Y
08 NW Terraces	Agricultural Practices	Current State Grant	Lake Volney Targeted Restoration	\$27,300.00	\$27,300.00	1/10/2017	N
09 Engineering	Technical/Engineering Assistance	Current State Grant	Lake Volney Targeted Restoration	\$44,470.00	\$44,470.00	12/31/2018	N
Administration	Administration /Coordination	Local Fund	In Kind Services	\$2,250.00	\$2,250.00	9/12/2017	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Gravel Tax Shoreline Projects	Special Projects	Local Fund	LSC Gravel Tax Project Funds	\$42,189.04	\$42,189.04	8/1/2017	Y
Lake Associations	Agricultural Practices	Local Fund	In Kind	\$9,861.12	\$9,861.12	7/23/2017	Y
Technical Assistance	Technical/Engineering Assistance	Local Fund	In Kind	\$650.62	\$650.52	8/31/2017	Y
Tom Gregor Buffer	Agricultural Practices	Local Fund	In Kind	\$9,937.50	\$9,937.50	2/9/2017	Y
Upland Ag Practices	Agricultural Practices	Current State Grant	Lake Volney Targeted Restoration	\$49,327.03	\$49,327.03	11/30/2018	N
Upland Ag Practices	Agricultural Practices	Landowner Fund	Landowner Match	\$16,442.34	\$16,442.34	11/30/2018	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
410 - Grade Stabilization Structure	1	1	180 LINEAR FEET	180 LINEAR FEET
580 - Streambank and Shoreline Protection	1	1	70 LINEAR FEET	70 LINEAR FEET
584 - Stream Channel Stabilization	1	1	0.001 AC	0.001 AC
580 - Streambank and Shoreline Protection	4	4	354 LINEAR FEET	354 LINEAR FEET
468 - Lined Waterway or Outlet	1	1	1 COUNT	1 COUNT
580 - Streambank and Shoreline Protection	1	1	0.3 AC	0.3 AC
350 - Sediment Basin	1	1	0.22 AC	0.22 AC
638 - Water and Sediment Control Basin	3	1	32.6 AC	32.6 AC

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
638 - Water and Sediment Control Basin	5	5	2000 LINEAR FEET	2000 LINEAR FEET
638 - Water and Sediment Control Basin	4	4	1400 LINEAR FEET	1400 LINEAR FEET
412 - Grassed Waterway and Swales	1	1	600 LINEAR FEET	600 LINEAR FEET
155M - Storm Water Retention Basins	1	1	1.6 AC	1.6 AC
393 - Filter Strip	1	1	7.95 AC	7.95 AC
638 - Water and Sediment Control Basin	3	3	700 LINEAR FEET	700 LINEAR FEET
638 - Water and Sediment Control Basin	3	3	1525 LINEAR FEET	1525 LINEAR FEET

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
01 Volney Storm Basin	PHOSPHORUS (EST. REDUCTION)	308.22 LBS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
02 Drainage Easement reconfiguration	PHOSPHORUS (EST. REDUCTION)	124.78 LBS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
03 Ag Retention	PHOSPHORUS (EST. REDUCTION)	308.22 LBS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
04 AMA Armor Outlet	PHOSPHORUS (EST. REDUCTION)	25.25 LBS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
05 Lake Volney Lane Runoff Redirect	PHOSPHORUS (EST. REDUCTION)	6.38 LBS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
06 Enhance degraded wetland and failed private ditch, create spawning habitat	PHOSPHORUS (EST. REDUCTION)	410.96 LBS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
07 North armor outlet	PHOSPHORUS (EST. REDUCTION)	37.4 LBS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
08 NW Terraces	PHOSPHORUS (EST. REDUCTION)	75.36 LBS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
	REDUCTION)			AND RILL)	
01 Volney Storm Basin	SOIL (EST. SAVINGS)	840 TONS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
02 Drainage Easement reconfiguration	SOIL (EST. SAVINGS)	124.58 TONS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
03 Ag Retention	SOIL (EST. SAVINGS)	280 TONS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
04 AMA Armor Outlet	SOIL (EST. SAVINGS)	29.7 TONS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
05 Lake Volney Lane Runoff Redirect	SOIL (EST. SAVINGS)	6.8 TONS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
06 Enhance degraded wetland and failed private ditch, create spawning habitat	SOIL (EST. SAVINGS)	1120 TONS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
07 North armor outlet	SOIL (EST. SAVINGS)	44 TONS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
08 NW Terraces	SOIL (EST. SAVINGS)	65.52 TONS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
01 Volney Storm Basin	SEDIMENT (TSS)	268.2 TONS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
02 Drainage Easement reconfiguration	SEDIMENT (TSS)	46.88 TONS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
03 Ag Retention	SEDIMENT (TSS)	89.34 TONS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
04 AMA Armor Outlet	SEDIMENT (TSS)	29.7 TONS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
05 Lake Volney Lane Runoff Redirect	SEDIMENT (TSS)	6.38 TONS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
06 Enhance degraded wetland and failed private ditch, create spawning habitat	SEDIMENT (TSS)	357.36 TONS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
07 North armor outlet	SEDIMENT (TSS)	44 TONS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	
08 NW Terraces	SEDIMENT (TSS)	65.52 TONS/YR	Lake Volney	BWSR CALC (SHEET AND RILL)	

Final Indicators Summary

Indicator Name	Total Value	Unit
SEDIMENT (TSS)	910.98	TONS/YR
SOIL (EST. SAVINGS)	1,905.37	TONS/YR
Total Suspended Solids (TSS)	128.51	Mg/L
PHOSPHORUS (EST. REDUCTION)	1,457.44	LBS/YR

Grant Activity

Grant Activity - 01 Volney Storm Basin

Description	Redesign and construct stormwater retention basin(s)		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	27-Oct-16	End Date	14-Dec-16
Has Rates and Hours?	No		
Actual Results	The lake volney estates storm water redesign two basins and routed the ag water away only allowing the estates water to enter. Sediment was removed and embankments were raised. Water was forced through settling structures and into stable outlet.		

Activity Action - Volney Storm Basin

Practice	155M - Storm Water Retention Basins	Count of Activities	1
Description	Repair two stormwater retention basin and update the design.		
Proposed Size / Units	1.60 AC	Lifespan	10 Years
Actual Size/Units	1.60 AC	Installed Date	14-Dec-16
Mapped Activities	1 Point(s)		

Final Indicator for Volney Storm Basin

Indicator Name	SEDIMENT (TSS)	Value	268.2
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		
Final Indicator for Volney Storm Basin			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	308.22

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		
Final Indicator for Volney Storm Basin			
Indicator Name	SOIL (EST. SAVINGS)	Value	840
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Grant Activity - 010 Technical Assistance			
Description	Mike Schultz, SWCD staff will be providing technical assistance for the projects.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-May-15	End Date	17-Dec-18
Has Rates and Hours?	Yes		
Actual Results	<p>Technical staff used the funds to initiate projects with landowners, survey projects, design projects, provide construction supervision and help with as built. In some cases, staff would coordinate work for engineers and provide as a liaison between the contractors, engineers, technical staff and landowner.</p> <p>Technical Staff worked with 14 landowners to treat over 450 acres.</p> <p>Staff Time:</p> <p>5/1/2015 - 12/31/15 Sr Tech 31hrs @ \$36.14 10/19/2015 - 12/31/15 District Tech 2 hrs @ \$31/50 1/1/16-12/31/16 Sr Tech 331 hrs @ \$44.77 1/1/17-8/31/17 District Tech 31 hrs @ \$36.14 9/1/17-12/22/17 District Tech 86 hrs @ \$36.14 1/1/17-8/31/17 District Manager 235 hrs @ \$58.88 1/1/18-12/17/18 District Manager 113 hrs @ \$63.19 1/1/18-12/17/18 District Tech 192 hrs @ \$40.87</p>		

Grant Activity - 011 Project Coordination and Management

Description	Environmental Services Staff will coordinate and manage the project/grant for the duration of the grant.		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Jan-16	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	<p>Project Coordination was used to worked between all agencies involved to manage the projects, provide administrative oversight, update elink. Contracts were administered by the SWCD and paid by the county.</p> <p>1/1/16-12/30/16 Enviro Resource Spec. 41.5 hrs @ \$39.69 1/1/17-12/31/17 Enviro Resource Spec. 129.5 hrs @ \$46.66 9/1/17-12/22/17 Dist. Manager 122 hrs @ \$58.55 1/1/18-12/31/18 Zoning Admin 2 hrs @ \$57.87 3/5/18-12/31/18 Envior Resource Spec. 32.5 hrs @ \$37.77 1/118-12/17-18 Dist. Manager 81 hrs @ \$63.19</p>		

Grant Activity - 02 Drainage Easement reconfiguration

Description	Redesign and construct failed drainage outlet.		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	21-Sep-16	End Date	20-Oct-16
Has Rates and Hours?	No		
Actual Results	The SWCD worked with ISG to design a drainage outlet reconfiguration. Installed a 250' drainage swale and installed a new drainage structure that has a 15" outlet pipe. The township worked with the project to open the road and installed new culvert.		

Activity Action - Drainage outlet reconfiguration			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	Installed a drainage reconfiguration		
Proposed Size / Units	0.30 AC	Lifespan	10 Years
Actual Size/Units	0.30 AC	Installed Date	20-Oct-16
Mapped Activities	1 Line(s)		

Final Indicator for Drainage outlet reconfiguration

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	308.22
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Final Indicator for Drainage outlet reconfiguration

Indicator Name	SEDIMENT (TSS)	Value	46.88
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Final Indicator for Drainage outlet reconfiguration

Indicator Name	SOIL (EST. SAVINGS)	Value	124.58
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Grant Activity - 03 Ag Retention

Description	Create ag runoff retention basin		
Category	AGRICULTURAL PRACTICES		
Start Date	8-Aug-17	End Date	12-Jun-18
Has Rates and Hours?	No		
Actual Results	Installed a .22 acre ag retention basin with a buffer to catch tile water and ag runoff from 150 acres of farmland entering the lake.		

Activity Action - Ag Retention			
Practice	350 - Sediment Basin	Count of Activities	1
Description	installed an ag retention basin to catch tile water and ag runoff prior to enter the lake.		
Proposed Size / Units	0.22 AC	Lifespan	10 Years
Actual Size/Units	0.22 AC	Installed Date	12-Jun-18
Mapped Activities	1 Point(s)		

Final Indicator for Ag Retention

Indicator Name	SEDIMENT (TSS)	Value	95.26
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Final Indicator for Ag Retention

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	109.55
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Final Indicator for Ag Retention

Indicator Name	SOIL (EST. SAVINGS)	Value	282.10
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Grant Activity - 04 AMA Armor Outlet

Description	Install an armor outlet that drains ag land.		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	25-Oct-16	End Date	27-Oct-16
Has Rates and Hours?	No		
Actual Results	A rock rip rap outlet was installed adjacent to the Cordova Township road on the DNR AMA property. The rip rap will stop any erosion and sloughing from the upstream watershed.		

Activity Action - AMA Armor Outlet			
Practice	584 - Stream Channel Stabilization	Count of Activities	1
Description	Installed 7 tons of rock rip rap armor to project tile and culvert outlets entering the lake.		
Proposed Size / Units	0.00 AC	Lifespan	10 Years
Actual Size/Units	0.00 AC	Installed Date	27-Oct-16
Mapped Activities	1 Line(s)		

Final Indicator for AMA Armor Outlet

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	25.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Final Indicator for AMA Armor Outlet

Indicator Name	SEDIMENT (TSS)	Value	29.7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Final Indicator for AMA Armor Outlet

Indicator Name	SOIL (EST. SAVINGS)	Value	29.7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Grant Activity - 05 Lake Volney Lane Runoff Redirect

Description	Redirect runoff through a development to a retention area.		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	9-May-17	End Date	11-Sep-17
Has Rates and Hours?	No		
Actual Results	Rock lined a major inlet and outlet structure entering the lake that had previously been eroded. The inlet structure was armored and a new grate to stope debris was installed. The outlet was armored to reduce additional cutting on the channel leading to the lake.		

Activity Action - C15-3594_05			
Practice	468 - Lined Waterway or Outlet	Count of Activities	1
Description	Rock lined a major outlet structure.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	11-Sep-17
Mapped Activities	1 Line(s)		

Final Indicator for C15-3594_05			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	8.05
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Cannon River		
Final Indicator for C15-3594_05			
Indicator Name	SEDIMENT (TSS)	Value	7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Cannon River		
Final Indicator for C15-3594_05			
Indicator Name	SOIL (EST. SAVINGS)	Value	7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Cannon River		

Grant Activity - 06 Enhance degraded wetland and failed private ditch, create spawning habitat			
Description	Enhance/restore a degraded type 2/3 wetland, create storage in the failed ditch for northern pike spawning habitat. Install shoreline protection.		
Category	AGRICULTURAL PRACTICES		
Start Date	4-Sep-17	End Date	29-Dec-17
Has Rates and Hours?	No		
Actual Results	The degraded wetland was enrolled into CREP. No enhancement work will be done. Phase 2 of the project was to Installed 350' of shore land protection.		

Activity Action - Shoreline Protection			
Practice	410 - Grade Stabilization Structure	Count of Activities	1
Description	Installed 180 linear feet shoreline protection project.		
Proposed Size / Units	180.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	180.00 LINEAR FEET	Installed Date	12-Nov-17
Mapped Activities	1 Point(s)		

Final Indicator for Shoreline Protection

Indicator Name	SOIL (EST. SAVINGS)	Value	30.03
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lake Volney		

Final Indicator for Shoreline Protection

Indicator Name	SEDIMENT (TSS)	Value	30.03
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lake Volney		

Final Indicator for Shoreline Protection

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	25.53
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lake Volney		

Grant Activity - 07 North armor outlet

Description	Reconfigure outlet to an armor outlet to Lake Volney		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	17-Aug-16	End Date	06-Apr-17
Has Rates and Hours?	No		
Actual Results	Installed a shoreline protection at the outlet of the Agriculture Outlet Reconfiguration Project. The site stabilizes shoreline that was sloughing upstream.		

Activity Action - North armor outlet			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	armored the outlet of the drainage easement reconfiguration project approximately 75'		
Proposed Size / Units	70.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	70.00 LINEAR FEET	Installed Date	6-Apr-17
Mapped Activities	1 Line(s)		

Final Indicator for North armor outlet

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	37.4
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Lake Volney		

Final Indicator for North armor outlet

Indicator Name	Total Suspended Solids (TSS)	Value	44
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Lake Volney		

Final Indicator for North armor outlet

Indicator Name	SOIL (EST. SAVINGS)	Value	44
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Lake Volney		

Grant Activity - 08 NW Terraces

Description	Construct up to 5 terraces.		
Category	AGRICULTURAL PRACTICES		
Start Date	1-May-15	End Date	18-Nov-16
Has Rates and Hours?	No		
Actual Results	The project installed 3 farm over WASCOP's @ 1510 cy material and 900' tile. To reduce surface water entering the lake.		

Activity Action - NW Terraces			
Practice	638 - Water and Sediment Control Basin	Count of Activities	3
Description	Installed 3 WASCOB's and 900' of tile.		
Proposed Size / Units	32.60 AC	Lifespan	10 Years
Actual Size/Units	32.60 AC	Installed Date	18-Nov-16
Mapped Activities	1 Point(s)		

Final Indicator for NW Terraces			
Indicator Name	SOIL (EST. SAVINGS)	Value	65.52
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Final Indicator for NW Terraces			
Indicator Name	SEDIMENT (TSS)	Value	65.52
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Final Indicator for NW Terraces			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	75.36
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Grant Activity - 09 Engineering			
Description	Provide engineering services for the projects either through the South Central Technical Service Area or Consultant.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-May-15	End Date	31-Dec-18
Has Rates and Hours?	Yes		
Actual Results	Hired Engineers South Central TSA and ISG to oversee projects which is needed for County and BWSR Approval.		

Grant Activity - Administration			
Description	In Kind services for the administration and implementation of the projects by Environmental Services Staff, SWCD Staff, County Board Meetings, SWCD Board Meetings.		
	Information and Educational Materials to landowners.		
	Office overhead expenses.		
Category	ADMINISTRATION/COORDINATION		
Start Date	6-May-15	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	Admin time for the grant from Environmental staff, SWCD County Board and SWCD Board Meetings.		

Grant Activity - Gravel Tax Shoreline Projects			
Description	Gravel Tax Shoreline Projects		
Category	SPECIAL PROJECTS		
Start Date	1-Jun-15	End Date	30-Dec-16
Has Rates and Hours?	No		
Actual Results	LSC installed 4 rock shoreline project in collaboration with the landowners. 354' of shoreline projection was installed along highly degrading shorelines due to high waters.		

Activity Action - Lake Volney Shoreline Protection			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	4
Description	installed four shoreline protection projects around lake volney. Installed 354' linear feet of protection.		
Proposed Size / Units	354.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	354.00 LINEAR FEET	Installed Date	30-Dec-16
Mapped Activities	4 Line(s)		

Final Indicator for Lake Volney Shoreline Protection			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	32.33

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Cannon River		
Final Indicator for Lake Volney Shoreline Protection			
Indicator Name	SEDIMENT (TSS)	Value	36.05
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Cannon River		
Final Indicator for Lake Volney Shoreline Protection			
Indicator Name	SOIL (EST. SAVINGS)	Value	36.05
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Cannon River		

Grant Activity - Lake Associations			
Description	Lake Associations		
Category	AGRICULTURAL PRACTICES		
Start Date	6-May-15	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	Time spent installing native lake plantings, meetings discussing projects updates, assisting the County on projects.		

Grant Activity - Technical Assistance			
Description	Technical Assistance for shoreland and conservation projects. Such as Equipment, landowner cash, time		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	4-Jan-16	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	SWCD staff to oversee the project and provided day to day contract with landowners, partners and any other agencies needed to complete projects.		

Grant Activity - Tom Gregor Buffer			
Description	Tom Gregor Buffer		
Category	AGRICULTURAL PRACTICES		
Start Date	15-Jun-17	End Date	14-Jun-22
Has Rates and Hours?	No		
Actual Results	Installed 7.95 acre hayable buffer along a private stream in the Lake Volney upper watershed.		

Activity Action - Tom Gregor Buffer			
Practice	393 - Filter Strip	Count of Activities	1
Description	Installed a 7.95 Filter Strip adjacent to a private ditch system.		
Proposed Size / Units	7.95 AC	Lifespan	5 Years
Actual Size/Units	7.95 AC	Installed Date	9-Feb-17
Mapped Activities	1 Polygon(s)		

Final Indicator for Tom Gregor Buffer			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	175.63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Lake Volney		

Final Indicator for Tom Gregor Buffer			
Indicator Name	Total Suspended Solids (TSS)	Value	84.51
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Lake Volney		

Final Indicator for Tom Gregor Buffer			
Indicator Name	SOIL (EST. SAVINGS)	Value	1.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Lake Volney		

Grant Activity - Upland Ag Practices			
Description	Install WASCOB's in uplands with remaining grant dollars as per SWCD Grant Cost Share Policy. 75 % Cost Share.		
Category	AGRICULTURAL PRACTICES		
Start Date	1-Jan-18	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	Installed 16 WASCOB BMP's on five properties.		

Activity Action - LV-2018-4			
Practice	638 - Water and Sediment Control Basin	Count of Activities	4
Description	Installed 4 WASCOB's with 1400' of tile. Repaired 3 field gullies.		
Proposed Size / Units	1,400.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	1,400.00 LINEAR FEET	Installed Date	29-Oct-18
Mapped Activities	4 Point(s)		

Final Indicator for LV-2018-4			
Indicator Name	SEDIMENT (TSS)	Value	66.02
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		
Final Indicator for LV-2018-4			
Indicator Name	SOIL (EST. SAVINGS)	Value	130.2
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		
Final Indicator for LV-2018-4			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	75.91
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Activity Action - LV-2018-1			
Practice	638 - Water and Sediment Control Basin	Count of Activities	5
Description	Installed five WASCOB's with 2000' of tile, repaired 4 field gullies.		
Proposed Size / Units	2,000.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	2,000.00 LINEAR FEET	Installed Date	30-Oct-18
Mapped Activities	5 Point(s)		

Final Indicator for LV-2018-1			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	167.06
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)

Waterbody	Lake Volney		
Final Indicator for LV-2018-1			
Indicator Name	SOIL (EST. SAVINGS)	Value	155.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		
Final Indicator for LV-2018-1			
Indicator Name	SEDIMENT (TSS)	Value	155.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Activity Action - LV-2018-2			
Practice	638 - Water and Sediment Control Basin	Count of Activities	3
Description	Installed 3 WASCOB's 700' along with 1070' of tile		
Proposed Size / Units	700.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	700.00 LINEAR FEET	Installed Date	26-Nov-18
Mapped Activities	3 Point(s)		

Final Indicator for LV-2018-2			
Indicator Name	SEDIMENT (TSS)	Value	22.05
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		
Final Indicator for LV-2018-2			
Indicator Name	SOIL (EST. SAVINGS)	Value	44.10
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		
Final Indicator for LV-2018-2			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	25.36
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Activity Action - LV-2018-3			
Practice	638 - Water and Sediment Control Basin	Count of Activities	3
Description	Installed 3 WASCOB's 1,525' and 287' of tile		
Proposed Size / Units	1,525.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	1,525.00 LINEAR FEET	Installed Date	26-Nov-18
Mapped Activities	3 Point(s)		

Final Indicator for LV-2018-3			
Indicator Name	SEDIMENT (TSS)	Value	26.32
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Final Indicator for LV-2018-3			
Indicator Name	SOIL (EST. SAVINGS)	Value	52.64
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Final Indicator for LV-2018-3			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	30.27
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Activity Action - LV-2018-5			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	Installed 600' of waterway and repaired tile		
Proposed Size / Units	600.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	600.00 LINEAR FEET	Installed Date	30-Nov-18
Mapped Activities	1 Polygon(s)		

Final Indicator for LV-2018-5			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	53.30
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Final Indicator for LV-2018-5			
Indicator Name	SEDIMENT (TSS)	Value	62.70
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		
Final Indicator for LV-2018-5			
Indicator Name	SOIL (EST. SAVINGS)	Value	62.70
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Volney		

Grant Attachments

Document Name	Document Type	Description
17 May Minutes	Grant	Lake Volney Targeted Restoration
2015 Competitive Grant	Grant Agreement	2015 Competitive Grant - Le Sueur County
2015 Competitive Grant executed	Grant Agreement	2015 Competitive Grant - Le Sueur County
2016 Lake Volney Association In-kind	Grant	Lake Volney Targeted Restoration
2017 Financial Report	Grant	Lake Volney Targeted Restoration
2017 Lake Volney Association In-kind hours	Grant	Lake Volney Targeted Restoration
Admin In-kind waived CUP fees	Grant	Lake Volney Targeted Restoration
Admin Time Tracking-2016	Grant	Lake Volney Targeted Restoration
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/11/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/07/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/30/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/29/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/28/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/26/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/18/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/30/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/30/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/18/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/26/2017

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/20/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/17/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/17/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/16/2017
Application	Workflow Generated	Workflow Generated - Application - 09/23/2014
Approval of Revision Email	Grant	Lake Volney Targeted Restoration
C15-3594 Reconciliation B Checklist	Journal	Journal Dated - 10/15/2018
Cost Share Policy	Grant	Lake Volney Targeted Restoration
Final Financial Report	Grant	Lake Volney Targeted Restoration
Financial Report	Grant	Lake Volney Targeted Restoration
Joshua Mankowski PAR	Grant	Lake Volney Targeted Restoration
Lake Association In-kind Tracking	Grant	Lake Volney Targeted Restoration
Lake Volney Contract Amendment_Approval	Grant	Lake Volney Targeted Restoration
Lake Volney Project Locations	Grant	Lake Volney Targeted Restoration
Lake Volney_I&S Approval	Grant	Lake Volney Targeted Restoration
Lake Volney_Revised Budget_Work Plan 122916	Grant	Lake Volney Targeted Restoration
Lake Volney_Shoreline Restoration Approval	Grant	Lake Volney Targeted Restoration
MIke Schultz I&S Approval email	Grant	Lake Volney Targeted Restoration
Project Addition Approval	Grant	Lake Volney Targeted Restoration
Rate of Volunteer Time	Grant	Lake Volney Targeted Restoration
Revision Request	Grant	Lake Volney Targeted Restoration
VolneyWorkPlanApprovalRequest	Grant	Lake Volney Targeted Restoration
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/28/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/13/2018
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/29/2016
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 04/25/2017
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 10/06/2017
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 09/30/2016
grantmap_12624_2014-09-18_04-01-17-PM.jpg	Grant	Lake Volney Targeted Restoration