



Grant All-Detail Report Disaster Relief 2012

Grant Title - 2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)

Grant ID - P12-8158

Organization - St Louis, South SWCD

Grant Awarded Amount	\$1,561,175.00	Grant Execution Date	
Required Match Amount	\$0.00	Grant End Date	12/31/2015
Required Match %	0%	Grant Day To Day Contact	R.C. Boheim

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$1,391,030.00	\$1,137,628.26	\$423,546.74
Total Match Amount			\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$1,391,030.00	\$1,137,628.26	\$423,546.74

*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	Match
SSL-001 Adolfson Construction	Special Projects	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$6,700.00	\$6,670.00	5/15/2013	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction	
						Date	Match
SSL-001 Adolfson Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$1,675.00	\$82.00	12/21/2013	N
SSL-004 Anderson Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$1,000.00	\$1,000.00	7/17/2013	N
SSL-004 Anderson Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$250.00	\$164.00	12/21/2013	N
SSL-005 Applewick Construction	Special Projects	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$2,500.00	\$2,500.00	1/27/2015	N
SSL-005 Applewick Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$625.00	\$360.00	12/31/2014	N
SSL-009 Barkowitz Construction/Technical-Engineering_CANCELLED	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$1,500.00	\$1,244.00	12/21/2013	N
SSL-010 Beaulier Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$5,000.00	\$3,640.00	11/20/2013	N
SSL-010 Beaulier Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$1,250.00	\$348.00	12/21/2013	N
SSL-012 Bergal Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$7,639.00	\$7,639.00	11/14/2013	N
SSL-012 Bergal Technical-Engineering - (1)	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$1,250.00	\$2,018.00	12/21/2013	N
SSL-013 Bergson Construction_CANCELLED	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$0.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction	
						Date	Match
SSL-013 Bergson Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$125.00	\$58.00	12/21/2013	N
SSL-015 Botten Construction	Special Projects	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$200.00	\$200.00	5/15/2013	N
SSL-015 Botten Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$50.00	\$41.00	12/21/2013	N
SSL-019 Carter Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$2,000.00	\$13,740.00	7/18/2014	N
SSL-019 Carter Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$500.00	\$405.00	12/31/2014	N
SSL-022 Conway Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$10,000.00	\$8,031.00	10/2/2014	N
SSL-022 Conway Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$3,000.00	\$2,961.00	12/31/2014	N
SSL-023 Cottingham Construction/Technical-Engineering_CANCELLED	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$100.00	\$46.00	10/10/2013	N
SSL-024 Dahl Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$26,089.00	\$26,089.00	5/15/2013	N
SSL-024 Dahl Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$5,000.00	\$82.00	12/21/2013	N
SSL-025 Dakovic Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$15,000.00	\$14,867.00	10/16/2013	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction	
						Date	Match
SSL-025 Dakovic Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$3,750.00	\$348.00	12/21/2013	N
SSL-027 Carlette Baker (Carla Egger) Construction	Special Projects	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$21,000.00	\$10,570.55	11/25/2014	N
SSL-027 Carlette Baker (Carla Egger) Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$5,250.00	\$6,904.50	12/31/2014	N
SSL-031 Gafner and SSL-020 Carter (City of Duluth) Construction	Special Projects	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$50,000.00	\$45,103.64	7/15/2015	N
SSL-031 Gafner and SSL-020 Carter (City of Duluth) Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$12,500.00	\$27,156.93	1/7/2016	N
SSL-034 Hampton Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$50,000.00	\$45,526.09	6/30/2015	N
SSL-034 Hampton Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$12,500.00	\$11,749.96	12/31/2015	N
SSL-037 Hashey and SSL-054 Lindgren Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$300,000.00	\$167,665.48	11/24/2015	N
SSL-037 Hashey and SSL-054 Lindgren Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$75,000.00	\$53,335.00	12/31/2015	N
SSL-039 Hills Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$6,930.00	\$6,930.00	12/18/2013	N
SSL-039 Hills Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$1,000.00	\$406.00	12/21/2013	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction	
						Date	Match
SSL-040 Hope Methodist Construction	Special Projects	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$5,000.00	\$19,121.24	11/25/2014	N
SSL-040 Hope Methodist Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$1,250.00	\$5,186.00	12/31/2014	N
SSL-042 Johnson Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$3,000.00	\$2,900.00	5/15/2013	N
SSL-042 Johnson Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$750.00	\$2,808.99	12/31/2016	N
SSL-044 Dorothy Johnson Construction (Andrews et. al.)	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$150,000.00	\$149,163.26	11/1/2016	N
SSL-044 Dorthy Johnson Technical-Engineering (Andrews et. al.)	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$37,500.00	\$28,767.69	12/31/2016	N
SSL-046 Knighton Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$50,000.00	\$51,247.06	9/18/2015	N
SSL-046 Knighton Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$12,500.00	\$6,033.48	12/31/2016	N
SSL-048 John Lane Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$187,500.00	\$187,500.00	12/18/2013	N
SSL-048 John Lane Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$928.00	\$928.00	12/21/2013	N
SSL-050 Langley Construction	Special Projects	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$591.00	\$591.00	8/21/2013	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction	
						Date	Match
SSL-050 Langley Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$232.00	\$232.00	12/21/2013	N
SSL-053 Levinski Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$10,000.00	\$8,662.50	8/26/2014	N
SSL-053 Levinski Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$2,500.00	\$1,920.00	12/31/2014	N
SSL-064 Neimi Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$100,000.00	\$56,034.83	11/30/2016	N
SSL-064 Neimi Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$25,000.00	\$33,123.28	12/31/2016	N
SSL-066 North Shore School Construction_CANCELLED	Special Projects	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$0.00			N
SSL-066 North Shore School Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$250.00	\$20.50	12/21/2013	N
SSL-067 Northstar Baptist Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$5,045.00	\$5,045.00	5/15/2013	N
SSL-067 Northstar Baptist Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$41.00	\$41.00	12/21/2013	N
SSL-073 Putzke Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$3,905.00	\$3,905.00	5/15/2013	N
SSL-073 Putzke Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$82.00	\$82.00	12/21/2013	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction	
						Date	Match
SSL-074 Rayway & SSL-076 Rutford Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$16,000.00	\$520.00	6/3/2014	N
SSL-074 Rayway & SSL-076 Rutford Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$7,000.00	\$20,221.87	1/7/2016	N
SSL-077 Sams Construction_CANCELLED	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$0.00			N
SSL-077 Sams Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$58.00	\$58.00	12/21/2013	N
SSL-079 Sieving Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$40,000.00	\$9,912.68	11/24/2015	N
SSL-079 Sieving Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$10,000.00	\$7,872.99	1/7/2016	N
SSL-080 Sipes Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$30,000.00	\$13,000.00	1/15/2016	N
SSL-080 Sipes Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$7,500.00	\$7,878.58	12/31/2016	N
SSL-081 Skogland / MN Power Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$15,000.00	\$24,664.61	6/23/2016	N
SSL-081 Skogland / MN Power Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$5,000.00	\$4,547.36	12/31/2016	N
SSL-082 Sowl Construction 2_CANCELLED	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$0.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction	
						Date	Match
SSL-082 Sowl Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$7,750.00	\$2,891.19	12/31/2015	N
SSL-086 Tokarczyk Construction	Special Projects	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$13,765.00	\$13,765.00	12/18/2013	N
SSL-086 Tokarczyk Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$1,000.00	\$812.00	12/21/2013	N
SSL-087 Vik Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$5,000.00			N
SSL-087 Vik Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$1,250.00	\$58.00	12/21/2013	N
SSL-091 Zywicki Construction	Streambank or Shoreline Protection	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$5,000.00			N
SSL-091 Zywicki Technical-Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, Sout..	\$1,250.00	\$232.00	12/21/2013	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
148M - Erosion Control	1	1	0.1 AC	0.1 AC
580 - Streambank and Shoreline Protection	1	1	195 LINEAR FEET	195 LINEAR FEET
580 - Streambank and Shoreline Protection	1	1	125 LINEAR FEET	125 LINEAR FEET
584 - Stream Channel Stabilization	2	2	50 LINEAR FEET	50 LINEAR FEET

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
584 - Stream Channel Stabilization	1	1	30 LINEAR FEET	30 LINEAR FEET
580 - Streambank and Shoreline Protection	2	1	100 LINEAR FEET	125 LINEAR FEET
580 - Streambank and Shoreline Protection	1	1	40 LINEAR FEET	40 LINEAR FEET
580 - Streambank and Shoreline Protection	2	3	120 LINEAR FEET	120 LINEAR FEET
580 - Streambank and Shoreline Protection	1	1	0.25 AC	0.25 AC
580 - Streambank and Shoreline Protection	4	1	100 LINEAR FEET	100 LINEAR FEET
584 - Stream Channel Stabilization	1	1	300 LINEAR FEET	300 LINEAR FEET
580 - Streambank and Shoreline Protection	2	1	80 LINEAR FEET	80 LINEAR FEET
580 - Streambank and Shoreline Protection	1	1	1000 LINEAR FEET	1000 LINEAR FEET
580 - Streambank and Shoreline Protection	1	1	0.1 AC	0.1 AC
148M - Erosion Control	1	1	80 LINEAR FEET	80 LINEAR FEET
580 - Streambank and Shoreline Protection	1	1	90 LINEAR FEET	90 LINEAR FEET
580 - Streambank and Shoreline Protection	1	1	300 LINEAR FEET	300 LINEAR FEET
580 - Streambank and Shoreline Protection	2	1	50 LINEAR FEET	50 LINEAR FEET
580 - Streambank and Shoreline Protection	1	1	545 LINEAR FEET	545 LINEAR FEET
580 - Streambank and Shoreline Protection	2	1	200 LINEAR FEET	200 LINEAR FEET
126M - Septic System Improvement	1	1	0.07 AC	0.07 AC

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
560 - Access Road	1	1	75 LINEAR FEET	75 LINEAR FEET

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
BOD 5	52.50	LBS/YR
SEDIMENT (TSS)	2,493.25	TONS/YR
Total Suspended Solids (TSS)	1.05	Mg/L
PHOSPHORUS (EST. REDUCTION)	2,793.68	LBS/YR
SOIL (EST. SAVINGS)	2,473.95	TONS/YR

Grant Activity

Grant Activity - SSL-001 Adolfson Construction			
Description	SSL 001 Adolfson		
Category	SPECIAL PROJECTS		
Start Date	1-Apr-13	End Date	01-Aug-13
Has Rates and Hours?	Yes		
Actual Results	Repaired damage to septic caused by erosion from flood.		

Activity Action - Eroded mound for septic repaired			
Practice	148M - Erosion Control	Count of Activities	1
Description			
Proposed Size / Units	0.10 AC	Lifespan	10 Years
Actual Size/Units	0.10 AC	Installed Date	12-Jul-12
Mapped Activities	1 Line(s)		

Final Indicator for Eroded mound for septic repaired			
Indicator Name	SEDIMENT (TSS)	Value	52.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lester river		

Final Indicator for Eroded mound for septic repaired			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	60.38
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lester River		

Final Indicator for Eroded mound for septic repaired			
Indicator Name	SOIL (EST. SAVINGS)	Value	52.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lester River		

Grant Activity - SSL-001 Adolfson Technical-Engineering			
Description	SSL-001 Adolfson Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Apr-13	End Date	01-Aug-13
Has Rates and Hours?	No		
Actual Results	tech assistance		

Grant Activity - SSL-004 Anderson Construction			
Description	SSL-004 Anderson		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-May-13	End Date	01-Aug-13
Has Rates and Hours?	No		
Actual Results	Flood recovery - driveway repair		

Activity Action - road repair			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description			
Proposed Size / Units	100.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	100.00 LINEAR FEET	Installed Date	17-Jul-13
Mapped Activities	1 Line(s)		

Final Indicator for road repair			
Indicator Name	SEDIMENT (TSS)	Value	21.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	St. Louis River		
Final Indicator for road repair			
Indicator Name	SOIL (EST. SAVINGS)	Value	21.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	St. Louis River		
Final Indicator for road repair			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	24.15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	St. Louis River		

Grant Activity - SSL-004 Anderson Technical-Engineering			
Description	SSL-004 Anderson Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-May-13	End Date	01-Aug-13
Has Rates and Hours?	No		
Actual Results	Flood recovery - driveway repair		

Grant Activity - SSL-005 Applewick Construction			
Description	SSL-005 Applewick Construction		
Category	SPECIAL PROJECTS		
Start Date	4-Jan-14	End Date	21-Jan-14
Has Rates and Hours?	No		
Actual Results	Stabilized failed septic system.		

Activity Action - septic abandonment			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	abandonment failed septic system and connected to city sewer		
Proposed Size / Units	0.07 AC	Lifespan	In Perpetuity
Actual Size/Units	0.07 AC	Installed Date	27-Jan-14
Mapped Activities	1 Point(s)		

Final Indicator for septic abandonment			
Indicator Name	SEDIMENT (TSS)	Value	105.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Keene Creek		
Final Indicator for septic abandonment			
Indicator Name	SOIL (EST. SAVINGS)	Value	105.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Keene		

Final Indicator for septic abandonment			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	120.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Keene Creek		

Grant Activity - SSL-005 Applewick Technical-Engineering			
Description	SSL-005 Applewick Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	21-Dec-13	End Date	21-Jan-14
Has Rates and Hours?	No		
Actual Results	landowner visit/consultation		

Grant Activity - SSL-009 Barkowitz Construction/Technical-Engineering_CANCELLED			
Description	SSL-009 Barkowitz		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Apr-13	End Date	01-Nov-13
Has Rates and Hours?	No		
Actual Results	Plans completed by TSA. Someone came and fixed the problem but the landowner does not know who. Project cancelled.		

Grant Activity - SSL-010 Beaulier Construction			
Description	SSL-010 Beaulier		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Apr-13	End Date	20-Nov-13
Has Rates and Hours?	No		
Actual Results	flood recovery - stream bank stabilization		

Activity Action - stream project			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description			
Proposed Size / Units	40.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	40.00 LINEAR FEET	Installed Date	20-Nov-13
Mapped Activities	1 Line(s)		

Final Indicator for stream project			
Indicator Name	SOIL (EST. SAVINGS)	Value	8.40
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Morgan Park Creek		

Final Indicator for stream project			
Indicator Name	SEDIMENT (TSS)	Value	8.40
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Morgan Park Creek		

Final Indicator for stream project			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	9.66
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Morgan Park Creek		

Grant Activity - SSL-010 Beaulier Technical-Engineering			
Description	SSL-010 Beaulier Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Apr-13	End Date	20-Nov-13
Has Rates and Hours?	No		
Actual Results	flood recovery - stream bank stabilization		

Grant Activity - SSL-012 Bergal Construction			
Description	SSL-012 Bergal Construction and Engineering-Technical. TSA did design.		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-May-13	End Date	01-Aug-13
Has Rates and Hours?	No		
Actual Results	gully re-shaped, cross vanes installed, vegetated floodplain established.		

Activity Action - Gully Restoration			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	gully was re-shaped and restored with cross vanes and vegetation		
Proposed Size / Units	100.00 LINEAR FEET	Lifespan	25 Years
Actual Size/Units	100.00 LINEAR FEET	Installed Date	1-Aug-13
Mapped Activities	1 Line(s)		

Final Indicator for Gully Restoration			
Indicator Name	SEDIMENT (TSS)	Value	1
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	34th ave east crk.		

Grant Activity - SSL-012 Bergal Technical-Engineering - (1)			
Description	SSL-012 Bergal Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Apr-13	End Date	31-Aug-13
Has Rates and Hours?	No		
Actual Results	Provided engineering assistance.		

Grant Activity - SSL-013 Bergson Construction_CANCELLED			
Description	SSL-013 Bergson Construction		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	Feb 1 2016: 2nd letter sent to LO asking if she wanted to participate in the program. No response. Cancelled July 2016.		

Grant Activity - SSL-013 Bergson Technical-Engineering			
Description	SSL-013 Bergson Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	21-Dec-13	End Date	
Has Rates and Hours?	No		
Actual Results	staff assistance. 3/11/16 project will likely be cancelled.		

Grant Activity - SSL-015 Botten Construction			
Description	SSL-015 Botten		
Category	SPECIAL PROJECTS		
Start Date	1-May-13	End Date	01-Oct-13
Has Rates and Hours?	No		
Actual Results	Flood recovery - road repair		

Activity Action - road repair			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description			
Proposed Size / Units	50.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	50.00 LINEAR FEET	Installed Date	21-Jun-12
Mapped Activities	1 Line(s)		

Final Indicator for road repair			
Indicator Name	SEDIMENT (TSS)	Value	1.05
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Midway River		
Final Indicator for road repair			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1.21
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Midway River		
Final Indicator for road repair			
Indicator Name	SOIL (EST. SAVINGS)	Value	1.05
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Midway River		

Grant Activity - SSL-015 Botten Technical-Engineering			
Description	SSL-015 Botten Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-May-13	End Date	01-Oct-13
Has Rates and Hours?	No		
Actual Results	Flood recovery - road repair		

Grant Activity - SSL-019 Carter Construction			
Description	SSL-019 Carter Construction		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	21-Dec-13	End Date	01-Aug-14
Has Rates and Hours?	No		
Actual Results	repair of retaining wall damaged by flood. London Road.		

Activity Action - wall replacement			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	wall repair erosion control		
Proposed Size / Units	50.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	50.00 LINEAR FEET	Installed Date	18-Jul-14
Mapped Activities	1 Line(s)		

Final Indicator for wall replacement			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1.21
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Chester Creek		

Final Indicator for wall replacement			
Indicator Name	Total Suspended Solids (TSS)	Value	1.05
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Chester Creek		

Final Indicator for wall replacement			
Indicator Name	SEDIMENT (TSS)	Value	1.05
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Chester Creek		

Grant Activity - SSL-019 Carter Technical-Engineering			
Description	SSL-019 Carter Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	21-Dec-13	End Date	01-Aug-14
Has Rates and Hours?	No		
Actual Results	tech assistance		

Grant Activity - SSL-022 Conway Construction			
Description	SSL-022 Conway Construction		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Jun-13	End Date	17-Sep-14
Has Rates and Hours?	No		
Actual Results	streambank stabilized		

Activity Action - flood recovery			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	streambank		
Proposed Size / Units	120.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	120.00 LINEAR FEET	Installed Date	2-Oct-14
Mapped Activities	1 Line(s)		

Final Indicator for flood recovery			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	38.64
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	79th Ave West Creek		
Final Indicator for flood recovery			
Indicator Name	SOIL (EST. SAVINGS)	Value	33.6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)

Waterbody	79th Ave West Creek		
Final Indicator for flood recovery			
Indicator Name	SEDIMENT (TSS)	Value	33.60
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	79th Ave West Creek		

Grant Activity - SSL-022 Conway Technical-Engineering			
Description	SSL-022 Conway		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-May-13	End Date	17-Sep-14
Has Rates and Hours?	No		
Actual Results	tech assistance		

Grant Activity - SSL-023 Cottingham Construction/Technical-Engineering_CANCELLED			
Description	SSL-023 Cottingham		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-May-13	End Date	01-May-14
Has Rates and Hours?	No		
Actual Results	Project cancelled. Landowner not interested.		

Grant Activity - SSL-024 Dahl Construction			
Description	SSL - 024 Dahl		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Mar-13	End Date	01-Aug-13
Has Rates and Hours?	No		
Actual Results	flood recovery - replace bridge and road		

Activity Action - ssl 024 practice			
Practice	584 - Stream Channel Stabilization	Count of Activities	1
Description			
Proposed Size / Units	30.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	30.00 LINEAR FEET	Installed Date	1-Aug-12
Mapped Activities	1 Line(s)		

Final Indicator for ssl 024 practice			
Indicator Name	SEDIMENT (TSS)	Value	12.60
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Keene Creek		

Final Indicator for ssl 024 practice			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	14.49
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Keene Creek		

Final Indicator for ssl 024 practice			
Indicator Name	SOIL (EST. SAVINGS)	Value	12.60
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Keene Creek		

Grant Activity - SSL-024 Dahl Technical-Engineering			
Description	SSL-024 Dahl Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-May-13	End Date	01-Aug-13
Has Rates and Hours?	No		
Actual Results	flood recovery - replace bridge and road		

Grant Activity - SSL-025 Dakovic Construction			
Description	SSL-025 Dakovic		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Apr-13	End Date	01-Nov-13
Has Rates and Hours?	No		
Actual Results	flood recovery - stream stabilization and driveway repair		

Activity Action - stream project			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description			
Proposed Size / Units	125.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	125.00 LINEAR FEET	Installed Date	16-Oct-13
Mapped Activities	1 Line(s)		

Final Indicator for stream project			
Indicator Name	SEDIMENT (TSS)	Value	26.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Miller Creek		

Final Indicator for stream project			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	30.19
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Miller Creek		

Final Indicator for stream project			
Indicator Name	SOIL (EST. SAVINGS)	Value	26.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Miller Creek		

Grant Activity - SSL-025 Dakovic Technical-Engineering			
Description	SSL-025 Dakovic Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Apr-13	End Date	01-Nov-13
Has Rates and Hours?	No		
Actual Results	flood recovery - stream stabilization and driveway repair		

Grant Activity - SSL-027 Carlette Baker (Carla Egger) Construction			
Description	SSL-027 Carlette Baker (Egger) Construction		
Category	SPECIAL PROJECTS		
Start Date	1-Jul-13	End Date	01-Sep-14
Has Rates and Hours?	No		
Actual Results	Tischer Crk - bank stabilization - bankfull bench, riparian planting, stream vane.		

Activity Action - Flood recovery			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	stream stabilization		
Proposed Size / Units	100.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	100.00 LINEAR FEET	Installed Date	25-Nov-14
Mapped Activities	1 Line(s)		

Final Indicator for Flood recovery			
Indicator Name	SOIL (EST. SAVINGS)	Value	8.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Tischer Creek		
Final Indicator for Flood recovery			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	10.06
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)

Waterbody	Tischer Creek		
Final Indicator for Flood recovery			
Indicator Name	SEDIMENT (TSS)	Value	8.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Tischer Creek		

Grant Activity - SSL-027 Carlette Baker (Carla Egger) Technical-Engineering			
Description	SSL-027 Egger		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Apr-13	End Date	01-Sep-14
Has Rates and Hours?	No		
Actual Results	Tischer Crk - bank stabilization - bankfull bench, riparian planting, stream vane.		

Grant Activity - SSL-031 Gafner and SSL-020 Carter (City of Duluth) Construction			
Description	SSL-031 Gafner and SSL-020 Carter (City of Duluth)		
Category	SPECIAL PROJECTS		
Start Date	1-Jul-13	End Date	03-Jul-15
Has Rates and Hours?	No		
Actual Results	Construction was successfully completed in July 2015.		

Activity Action - Merritt Creek (Gafner / City of Duluth)			
Practice	584 - Stream Channel Stabilization	Count of Activities	1
Description	restoration of merritt creek after flooding		
Proposed Size / Units	300.00 LINEAR FEET	Lifespan	25 Years
Actual Size/Units	300.00 LINEAR FEET	Installed Date	3-Jul-15
Mapped Activities	1 Line(s)		

Final Indicator for Merritt Creek (Gafner / City of Duluth)			
Indicator Name	SEDIMENT (TSS)	Value	1
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH

			STABILIZATION)
Waterbody	merritt creek		

Grant Activity - SSL-031 Gafner and SSL-020 Carter (City of Duluth) Technical-Engineering			
Description	SSL-031 Gafner and SSL-020 Carter, Marion (City of Duluth) TSA is doing design. Merritt Creek.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Apr-13	End Date	31-Jul-15
Has Rates and Hours?	No		
Actual Results	Design is complete, permit is acquired. Construction slated for may/June of 2015. Construction was successfully completed in July 2015.		

Grant Activity - SSL-034 Hampton Construction			
Description	SSL-034 Hampton Construction		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	21-Dec-13	End Date	18-Aug-15
Has Rates and Hours?	No		
Actual Results	Lake Superior Shoreline stabilization completed		

Activity Action - Lake Superior Shoreline stabilization			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	Shoreline stabilization		
Proposed Size / Units	80.00 LINEAR FEET	Lifespan	25 Years
Actual Size/Units	80.00 LINEAR FEET	Installed Date	29-May-15
Mapped Activities	1 Line(s)		

Final Indicator for Lake Superior Shoreline stabilization			
Indicator Name	SOIL (EST. SAVINGS)	Value	70.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lake Superior		
Final Indicator for Lake Superior Shoreline stabilization			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	80.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lake Superior		
Final Indicator for Lake Superior Shoreline stabilization			
Indicator Name	SEDIMENT (TSS)	Value	70.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lake Superior		

Grant Activity - SSL-034 Hampton Technical-Engineering			
Description	SSL-034 Hampton Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	21-Dec-13	End Date	31-Aug-15
Has Rates and Hours?	No		
Actual Results	Lake Superior shoreline was successfully stabilized in August 2015.		

Grant Activity - SSL-037 Hashey and SSL-054 Lindgren Construction			
Description	SSL-037 Hashey and SSL-054 Lindgren TSA will do design (Engineering amt is \$75,000). French River		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-May-14	End Date	30-Sep-14
Has Rates and Hours?	No		
Actual Results	Over 1000 feet of river bank was restored along the French River at Lismore and Cant Roads. The project involved three landowners and two contractors. The project was completed in late Septemeber, 2014. Retainage was kept until plant viability can be confirmed in spring of 2015.		

Activity Action - streambank			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	streambank stabilization		
Proposed Size / Units	545.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	545.00 LINEAR FEET	Installed Date	20-Oct-14
Mapped Activities	1 Line(s)		

Final Indicator for streambank			
Indicator Name	SOIL (EST. SAVINGS)	Value	1435
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	French River		
Final Indicator for streambank			
Indicator Name	SEDIMENT (TSS)	Value	1435
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	French River		
Final Indicator for streambank			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1650.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)

Waterbody	French River
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Grant Activity - SSL-037 Hashey and SSL-054 Lindgren Technical-Engineering

Description	SSL-037 Hashey and SSL-054 Lindgren		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-May-14	End Date	30-Sep-14
Has Rates and Hours?	No		
Actual Results	Over 1000 feet of river bank was restored along the French River at Lismore and Cant Roads. The project involved three landowners and two contractors. The project was completed in late Septemeber, 2014. Retainage was kept until plant viability can be confirmed in spring of 2015.		

Grant Activity - SSL-039 Hills Construction

Description	SSL-039 Hills		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Jul-13	End Date	18-Dec-13
Has Rates and Hours?	No		
Actual Results	Flood recovery - stream project		

Activity Action - ssl 039			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description			
Proposed Size / Units	80.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	80.00 LINEAR FEET	Installed Date	18-Dec-13
Mapped Activities	1 Line(s)		

Final Indicator for ssl 039

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	10.87
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Oregon Creek		

Final Indicator for ssl 039			
Indicator Name	SEDIMENT (TSS)	Value	9.45
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Oregon Creek		
Final Indicator for ssl 039			
Indicator Name	SOIL (EST. SAVINGS)	Value	9.45
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Oregon Creek		

Grant Activity - SSL-039 Hills Technical-Engineering			
Description	SSL-039 Hills Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Jul-13	End Date	18-Dec-13
Has Rates and Hours?	No		
Actual Results	Flood recovery - stream project repair of rock wall		

Grant Activity - SSL-040 Hope Methodist Construction			
Description	SSL-040 Hope Methodist Construction		
Category	SPECIAL PROJECTS		
Start Date	14-May-14	End Date	25-Nov-14
Has Rates and Hours?	No		
Actual Results	125 feet of tischer creek restored with stream vanes and bankful bench.		

Activity Action - flood damage			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	stream stabilization		
Proposed Size / Units	100.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	125.00 LINEAR FEET	Installed Date	25-Nov-14
Mapped Activities	1 Line(s)		

Final Indicator for flood damage			
Indicator Name	SOIL (EST. SAVINGS)	Value	12.60
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Tischer Creek		
Final Indicator for flood damage			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	14.49
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Tischer Creek		
Final Indicator for flood damage			
Indicator Name	SEDIMENT (TSS)	Value	12.6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Tischer Creek		

Activity Action - Hope Methodist streambank restoration			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	125 feet restored from flood damage - Tischer Creek.		
Proposed Size / Units	100.00 LINEAR FEET	Lifespan	25 Years
Actual Size/Units	125.00 LINEAR FEET	Installed Date	22-Jul-14
Mapped Activities	No		

Grant Activity - SSL-040 Hope Methodist Technical-Engineering			
Description	SSL-040 Hope Methodist		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Apr-13	End Date	30-Sep-14
Has Rates and Hours?	No		
Actual Results	125 feet of tischer creek restored with stream vanes and bankful bench.		

Grant Activity - SSL-042 Johnson Construction			
Description	SSL-042 Johnson		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Apr-13	End Date	01-Aug-13
Has Rates and Hours?	No		
Actual Results	Flood Recovery - repair of previous cost-share practice		

Activity Action - SSL-042 practice			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description			
Proposed Size / Units	90.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	90.00 LINEAR FEET	Installed Date	15-May-13
Mapped Activities	1 Line(s)		

Final Indicator for SSL-042 practice			
Indicator Name	SEDIMENT (TSS)	Value	25.20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lake Superior		
Final Indicator for SSL-042 practice			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	28.98
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)

Waterbody	Lake Superior		
Final Indicator for SSL-042 practice			
Indicator Name	SOIL (EST. SAVINGS)	Value	25.20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lake Superior		

Grant Activity - SSL-042 Johnson Technical-Engineering			
Description	SSL-042 Johnson Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Apr-13	End Date	01-Aug-13
Has Rates and Hours?	No		
Actual Results	Flood Recovery - repair of previous cost-share practice		

Grant Activity - SSL-044 Dorothy Johnson Construction (Andrews et. al.)			
Description	SSL-044 Dorothy Johnson Construction		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Jan-13	End Date	31-Aug-16
Has Rates and Hours?	No		
Actual Results	<p>Feb 1 2016: Construction has been delayed until summer of 2016.</p> <p>9/1/16: The project has been completed but final payment/vouchers still need approval. Expected September 2016.</p> <p>Feb 1 2017: The project was completed in 2016.</p>		

Activity Action - Lake Superior Shoreline 4940 London Rd.			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	Rip Rap Stabilization of slumping Lake Superior Shoreline.		
Proposed Size / Units	0.25 AC	Lifespan	30 Years
Actual Size/Units	0.25 AC	Installed Date	3-Oct-16
Mapped Activities	1 Line(s)		

Final Indicator for Lake Superior Shoreline 4940 London Rd.			
Indicator Name	SOIL (EST. SAVINGS)	Value	.15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Lake Superior		

Grant Activity - SSL-044 Dorthy Johnson Technical-Engineering (Andrews et. al.)			
Description	SSL-044 Dorthy Johnson		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-May-13	End Date	01-Sep-16
Has Rates and Hours?	No		
Actual Results	<p>Completing engineering plans using Northland Consulting Eng.</p> <p>Feb 1 2016: Construction has been delayed to summer of 2016.</p> <p>Feb 1 2017: This Lake Superior shoreline stabilization project was completed in he summer of 2016.</p>		

Grant Activity - SSL-046 Knighton Construction			
Description	SSL-046 Knighton Construction combined with raway rutherford		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	14-May-14	End Date	31-Aug-15
Has Rates and Hours?	No		
Actual Results	construction completed summer 2015.		

Activity Action - Tischer Creek stream restoration			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	200 feet of tischer creek stream restoration (combined with Raway/Rutford).		
Proposed Size / Units	200.00 LINEAR FEET	Lifespan	25 Years
Actual Size/Units	200.00 LINEAR FEET	Installed Date	31-Aug-15
Mapped Activities	1 Line(s)		

Final Indicator for Tischer Creek stream restoration			
Indicator Name	SOIL (EST. SAVINGS)	Value	22
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Tischer Creek		

Grant Activity - SSL-046 Knighton Technical-Engineering			
Description	SSL-046 Knighton Technical-Engineering combined with raway rutherford		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	23-Jun-14	End Date	31-Aug-15
Has Rates and Hours?	No		
Actual Results	TSA did design Permit acquired board approved April mtg. construction completed summer 2015 200 feet toewood restoration between several landowners on Tischer Creek		

Grant Activity - SSL-048 John Lane Construction			
Description	SSL - 048 John Lane		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Apr-13	End Date	01-Nov-13
Has Rates and Hours?	No		
Actual Results	repair of retaining wall		

Activity Action - new sheet piling			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description			
Proposed Size / Units	120.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	120.00 LINEAR FEET	Installed Date	4-Oct-13
Mapped Activities	2 Line(s)		

Final Indicator for new sheet piling			
Indicator Name	SOIL (EST. SAVINGS)	Value	237.6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	St. Louis Bay		

Final Indicator for new sheet piling			
Indicator Name	SEDIMENT (TSS)	Value	237.6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	St. Louis Bay		

Final Indicator for new sheet piling			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	201.96
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	St. Louis Bay		

Grant Activity - SSL-048 John Lane Technical-Engineering			
Description	SSL-048 John Lane Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Apr-13	End Date	01-Nov-14
Has Rates and Hours?	No		
Actual Results	Provided technical assistance.		

Grant Activity - SSL-050 Langley Construction			
Description	SSL-050		
Category	SPECIAL PROJECTS		
Start Date	1-May-13	End Date	30-Sep-13
Has Rates and Hours?	No		
Actual Results	Flood Recovery - road repair		

Activity Action - driveway reapi			
Practice	560 - Access Road	Count of Activities	1
Description			
Proposed Size / Units	75.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	75.00 LINEAR FEET	Installed Date	13-Jun-13
Mapped Activities	1 Line(s)		

Final Indicator for driveway reapi			
Indicator Name	SEDIMENT (TSS)	Value	21.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Twin Lake		
Final Indicator for driveway reapi			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	24.15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Twin Lake		

Final Indicator for driveway repair			
Indicator Name	SOIL (EST. SAVINGS)	Value	21.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Twin Lake		

Grant Activity - SSL-050 Langley Technical-Engineering			
Description	SSL-050 Langley Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-May-13	End Date	30-Sep-13
Has Rates and Hours?	No		
Actual Results	Flood Recovery - road repair		

Grant Activity - SSL-053 Levinski Construction			
Description	SSL-053		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Apr-13	End Date	31-Dec-14
Has Rates and Hours?	No		
Actual Results	Flood Recovery - Stream stabilization		

Activity Action - SSL - 053 Levinski			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description			
Proposed Size / Units	100.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	100.00 LINEAR FEET	Installed Date	10-Sep-13
Mapped Activities	1 Line(s)		

Final Indicator for SSL - 053 Levinski			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	60.38
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH

			STABILIZATION)
Waterbody	Morgan Park Creek		
Final Indicator for SSL - 053 Levinski			
Indicator Name	BOD 5	Value	52.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Morgan Park Creek		
Final Indicator for SSL - 053 Levinski			
Indicator Name	SEDIMENT (TSS)	Value	52.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Morgan Park Creek		

Grant Activity - SSL-053 Levinski Technical-Engineering			
Description	SSL-053 Levinski Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Apr-13	End Date	31-Dec-14
Has Rates and Hours?	No		
Actual Results	Flood Recovery - Stream stabilization		

Grant Activity - SSL-064 Neimi Construction			
Description	SSL-064 Neimi Construction		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Jul-14	End Date	15-Jul-15
Has Rates and Hours?	No		
Actual Results	<p>Completed lake Superior Shoreline stabilization project.</p> <p>Feb 1 2017: Additional work was required to address changed conditions on the site. A new cost share contract was signed and the work was completed at a final cost of \$5,996.00.</p>		

Activity Action - Lake Superior Shoreline			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	Lake Superior Shoreline stabilization		
Proposed Size / Units	195.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	195.00 LINEAR FEET	Installed Date	17-Jun-15
Mapped Activities	1 Line(s)		

Final Indicator for Lake Superior Shoreline			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	156.98
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lake Superior		

Final Indicator for Lake Superior Shoreline			
Indicator Name	SEDIMENT (TSS)	Value	136.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lake Superior		

Final Indicator for Lake Superior Shoreline			
Indicator Name	SOIL (EST. SAVINGS)	Value	136.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lake Superior		

Grant Activity - SSL-064 Neimi Technical-Engineering			
Description	SSL -064 Neimi		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Apr-13	End Date	31-Jul-15
Has Rates and Hours?	No		
Actual Results	Feb 1 2016: Project was completed in summer of 2015.		
	Feb 1 2017: Additional work was required in 2016 to address changed conditions on the site.		

Grant Activity - SSL-066 North Shore School Construction_CANCELLED			
Description	SSL-066 North Shore School Construction		
Category	SPECIAL PROJECTS		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	cancelled - not interested		

Grant Activity - SSL-066 North Shore School Technical-Engineering			
Description	SSL-066 North Shore School Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Jun-13	End Date	
Has Rates and Hours?	No		
Actual Results			

Grant Activity - SSL-067 Northstar Baptist Construction			
Description	SSL-067 Northstar Baptist		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Apr-13	End Date	01-Jul-13
Has Rates and Hours?	No		
Actual Results	Flood recovery - repair driveway		

Activity Action - SSL_067 Northstar			
Practice	584 - Stream Channel Stabilization	Count of Activities	1
Description	repair driveway		
Proposed Size / Units	50.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	50.00 LINEAR FEET	Installed Date	11-Sep-12
Mapped Activities	1 Point(s)		

Final Indicator for SSL_067 Northstar			
Indicator Name	SOIL (EST. SAVINGS)	Value	70.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	coffee creek		

Final Indicator for SSL_067 Northstar			
Indicator Name	SEDIMENT (TSS)	Value	70.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Coffee Creek		

Final Indicator for SSL_067 Northstar			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	80.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Coffee Creek		

Grant Activity - SSL-067 Northstar Baptist Technical-Engineering			
Description	SSL-067 Northstar Baptist Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-May-13	End Date	31-Dec-13
Has Rates and Hours?	No		
Actual Results	Flood recovery - repair driveway		

Grant Activity - SSL-073 Putzke Construction			
Description	SSL-073 Putzke		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Jul-12	End Date	09-Jul-12
Has Rates and Hours?	No		
Actual Results	fixed driveway by installing two culverts		

Activity Action - SSL-073 Putzke			
Practice	584 - Stream Channel Stabilization	Count of Activities	1
Description	repair driveway		
Proposed Size / Units	50.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	50.00 LINEAR FEET	Installed Date	9-Jul-12
Mapped Activities	1 Line(s)		

Final Indicator for SSL-073 Putzke			
Indicator Name	SEDIMENT (TSS)	Value	11.2
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Amity Creek		
Final Indicator for SSL-073 Putzke			
Indicator Name	SOIL (EST. SAVINGS)	Value	11.20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Amity Creek		
Final Indicator for SSL-073 Putzke			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	12.88
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Amity Creek		

Grant Activity - SSL-073 Putzke Technical-Engineering			
Description	SSL-073 Putzke Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Jul-12	End Date	01-Jul-12
Has Rates and Hours?	No		
Actual Results	fixed driveway by installing two culverts		

Grant Activity - SSL-074 Rayway & SSL-076 Rutford Construction			
Description	SSL-074 Rayway & SSL-076 Rutford Construction combined with knighton		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	10-Oct-13	End Date	31-Aug-15
Has Rates and Hours?	No		
Actual Results	TSA completed design permit acquired Board approved Apr mtg 200 feet between several landowners on Tischer creek construction slated for summer of 2015 construction successfully completed august of 2015.		

Activity Action - Tischer Creek stream restoration			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	200 feet of stream restoration using wood and rock vanes upstream and downstream of Columbus ave. (Tischer Creek). Combined with Knighton.		
Proposed Size / Units	200.00 LINEAR FEET	Lifespan	25 Years
Actual Size/Units	200.00 LINEAR FEET	Installed Date	31-Aug-15
Mapped Activities	1 Line(s)		

Final Indicator for Tischer Creek stream restoration			
Indicator Name	SOIL (EST. SAVINGS)	Value	11

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	tischer creek		

Grant Activity - SSL-074 Rayway & SSL-076 Rutford Technical-Engineering			
Description	SSL-074 Rayway et al combined with rutford and knighton		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Apr-13	End Date	31-Aug-15
Has Rates and Hours?	No		
Actual Results	TSA completed design permit acquired Board approved Apr mtg 200 feet between several landowners on tischer creek construction successfulluy completed july of 2015.		

Grant Activity - SSL-077 Sams Construction_CANCELLED			
Description	SSL-077 Sams Construction		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	Landowner declined to participate in project. Project cancelled.		

Grant Activity - SSL-077 Sams Technical-Engineering			
Description	SSL-077 Sams Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	Landowner declined assistance. Project cancelled.		

Grant Activity - SSL-079 Sieving Construction			
Description	SSL-079 Sieving TSA doing design 10K for engineering Whiteface River		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Jun-13	End Date	31-Jul-15
Has Rates and Hours?	No		
Actual Results	<p>design complete, bids received - March 2015.</p> <p>Feb 1 2016: This project was successfully completed in summer of 2015. MCC provided labor. This was our first tree revetment project.</p>		

Activity Action - Whiteface River bank stabilization			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	Slumping bank on Whiteface River was re-graded, stabilized and armoured with a tree revetment at the toe of the slope. A swale was also installed at the top of the slope to re-direct runoff.		
Proposed Size / Units	300.00 LINEAR FEET	Lifespan	25 Years
Actual Size/Units	300.00 LINEAR FEET	Installed Date	31-Jul-15
Mapped Activities	1 Line(s)		

Final Indicator for Whiteface River bank stabilization			
Indicator Name	SOIL (EST. SAVINGS)	Value	2
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Whiteface R.		

Grant Activity - SSL-079 Sieving Technical-Engineering			
Description	SSL-079 Sieving Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Jun-13	End Date	31-Jul-15
Has Rates and Hours?	No		
Actual Results	<p>design complete, bids received - March 2015</p> <p>Feb 1 2016: This project was successfully completed in summer of 2015. MCC provided labor. This was our first tree revetment project.</p>		

Grant Activity - SSL-080 Sipes Construction			
Description	SSL-080 Sipes Construction		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Jan-13	End Date	31-Dec-15
Has Rates and Hours?	No		
Actual Results	Feb 1 2016: Project completed in 2015.		

Activity Action - Sipes Island Lake			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	shoreline stabilization on Island Lake private LO.		
Proposed Size / Units	0.10 AC	Lifespan	10 Years
Actual Size/Units	0.10 AC	Installed Date	1-Oct-15
Mapped Activities	1 Line(s)		

Final Indicator for Sipes Island Lake			
Indicator Name	SOIL (EST. SAVINGS)	Value	.1
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Island Lake		

Grant Activity - SSL-080 Sipes Technical-Engineering			
Description	SSL-080 Sipes		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Apr-13	End Date	
Has Rates and Hours?	No		
Actual Results	Feb 1 2016: Design is in development. Construction slated for summer 2016.		

Grant Activity - SSL-081 Skogland / MN Power Construction			
Description	SSL-081 Skogland / MN Power		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Jan-13	End Date	30-Jun-16
Has Rates and Hours?	No		
Actual Results	Feb 1 2016: MN power has now agreed to let their leaseholders repair flood damage. Design was completed before project was cancelled. Discussions were re-started with leaseholders. Construction planned for summer 2016. 12/28/16: Project was completed.		

Activity Action - Skogland shoreline restoration			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description			
Proposed Size / Units	1,000.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	1,000.00 LINEAR FEET	Installed Date	30-Jun-16
Mapped Activities	1 Line(s)		

Final Indicator for Skogland shoreline restoration			
Indicator Name	SOIL (EST. SAVINGS)	Value	1
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Boulder Lake		

Grant Activity - SSL-081 Skogland / MN Power Technical-Engineering			
Description	SSL-081 Skogland / MN Power TSA is doing design Boulder Lake Skoglands lease land from MN Power. Contract will be with the Skoglands.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-May-13	End Date	30-Jun-16
Has Rates and Hours?	No		
Actual Results	Feb 1 2016: MN power has now agreed to let their leaseholders repair flood damage. Design was completed before project was cancelled. Discussions were re-started with leaseholders. Construction planned for summer 2016. 9/1/16: The project was completed satisfactorily in June of 2016.		

Grant Activity - SSL-082 Sowl Construction 2_CANCELLED			
Description	SSL-082 Sowl Construction 2 (accidentally deleted original activity-tried to re-add it and gave it this "2" name).		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Jan-13	End Date	
Has Rates and Hours?	No		
Actual Results	preliminary design done by TSA landowner not responding to letters or calls may be cancelled.		

Grant Activity - SSL-082 Sowl Technical-Engineering			
Description	SSL-082 Sowl		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-May-13	End Date	11-Mar-16
Has Rates and Hours?	No		
Actual Results	preliminary design done by TSA landowner not responding to letters or calls may be cancelled. 3/11/16 update: project cancelled.		

Grant Activity - SSL-086 Tokarczyk Construction			
Description	SSL-086 Tokarczyk		
Category	SPECIAL PROJECTS		
Start Date	22-Nov-13	End Date	26-Nov-13
Has Rates and Hours?	No		
Actual Results	Completed slope stabilization project		

Activity Action - slope stabilization			
Practice	148M - Erosion Control	Count of Activities	1
Description			
Proposed Size / Units	80.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	80.00 LINEAR FEET	Installed Date	26-Nov-13
Mapped Activities	1 Line(s)		

Final Indicator for slope stabilization			
Indicator Name	SOIL (EST. SAVINGS)	Value	140.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	St. Louis River		
Final Indicator for slope stabilization			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	161.0

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	St. Louis River		
Final Indicator for slope stabilization			
Indicator Name	SEDIMENT (TSS)	Value	140.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	St. Louis River		

Grant Activity - SSL-086 Tokarczyk Technical-Engineering			
Description	SSL-086 Tokarczyk Technical-Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Oct-13	End Date	18-Dec-13
Has Rates and Hours?	No		
Actual Results	Provided technical assistance		

Grant Activity - SSL-087 Vik Construction			
Description	SSL-087 Vik Construction		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Jan-13	End Date	
Has Rates and Hours?	No		
Actual Results	Feb 1 2016: Project hasn't started yet.		

Grant Activity - SSL-087 Vik Technical-Engineering		
Description	SSL-087 Vik Technical-Engineering	
Category	TECHNICAL/ENGINEERING ASSISTANCE	
Start Date	21-Dec-13	End Date
Has Rates and Hours?	No	
Actual Results	Landowner contact and assistance.	

Grant Activity - SSL-091 Zywicki Construction		
Description	SSL-091 Zywicki Construction	
Category	STREAMBANK OR SHORELINE PROTECTION	
Start Date	1-Jan-13	End Date
Has Rates and Hours?	No	
Actual Results	Feb 1 2016: Project hasn't started yet. 3/11/16 update: C/S contract has been signed but project will likely be cancelled per RC.	

Grant Activity - SSL-091 Zywicki Technical-Engineering		
Description	SSL-091 Zywicki Technical-Engineering	
Category	TECHNICAL/ENGINEERING ASSISTANCE	
Start Date	1-Oct-13	End Date
Has Rates and Hours?	No	
Actual Results	Landowner contact and assistance.	

Grant Attachments

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2014
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/15/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/26/2017

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/28/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/04/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 10/09/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 06/29/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/20/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 09/02/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/20/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/10/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/20/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/15/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/04/2014
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/26/2014
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 09/26/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 08/01/2014
Amendment	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Amendment	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Bergal_AsBuilt_1	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Bergal_AsBuilt_2	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Bergal_AsBuilt_3	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Gafner/City of Duluth O&M	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Hashey Lindgren O&M	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Hashey cost share contract	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Interim Financial Report	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
O & M Plan for Bergal	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Phase 2B progress report payment request form	Progress	Progress Dated - 01/28/2016
Seiving AsBuilt	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Seiving O&M	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Seiving invoice from Superior Constuction	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Sipes As Built	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)

Document Name	Document Type	Description
Skogland As Built	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Skogland O&M Plan	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Skogland final invoice	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Skogland signed CS contract	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Skoglnad_FinalVoucher	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Voucher_Board_Bergal_Payment	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
Work Plan Revisions	Journal	Journal Dated - 07/25/2014
expiration amendment	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
financial report signed 4/25/16 - 40% payment request	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
gafner invoice downstream superior constructi	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
gafner upstream invoice superior construct	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
seiving final voucher signed	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)
signed CS contract for Seiving	Grant	2012 - Minnesota Flood Relief Grant Phase 2B (St Louis, South SWCD)