



Grant All-Detail Report LWM-NRBG 2021

Grant Title - 2021 - Local Water Management - NRBG (Redwood County)

Grant ID - P21-6594

Organization - Redwood County

Original Awarded Amount	\$14,472.00	Grant Execution Date	12/2/2019
Required Match Amount	\$0.00	Original Grant End Date	12/31/2022
Required Match %	0%	Grant Day To Day Contact	Scott Wold
Current Awarded Amount	\$14,472.00	Current End Date	12/31/2022

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$12,288.00	\$12,288.00	\$2,184.00
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$12,288.00	\$12,288.00	\$2,184.00

*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
Adam Kletscher	Monitoring/Data Collection	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$500.00	\$500.00	10/8/2021	N
Alan Madsen	Non-Structural Management Practices	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$800.00	\$800.00	9/3/2021	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Bruce Berg	Non-Structural Management Practices	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$800.00	\$800.00	10/27/2021	N
Eric Nelson	Groundwater	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$500.00	\$500.00	4/11/2021	N
James Billmeier	Agricultural Practices	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$620.00	\$620.00	9/7/2021	N
James Lux	Groundwater	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$500.00	\$500.00	3/29/2021	N
Jeff Bertchi	Agricultural Practices	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$21.90	\$21.90	10/8/2021	N
Joel Samyn	Non-Structural Management Practices	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$1,087.08	\$1,087.08	5/6/2021	N
Karl Guetter	Agricultural Practices	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$1,349.02	\$1,349.02	11/5/2021	N
Kathleen Wenisch	Agricultural Practices	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$286.00	\$286.00	9/7/2021	N
Kevin Bock	Groundwater	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$500.00	\$500.00	3/26/2021	N
Leo Mertens	Agricultural Practices	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$400.00	\$400.00	9/7/2021	N
Leo Mertens 2	Agricultural Practices	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$920.00	\$920.00	9/7/2021	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Mark Madsen, Madsen Ag Inc	Non-Structural Management Practices	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$800.00	\$800.00	9/2/2021	N
Michael Samyn	Non-Structural Management Practices	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$1,600.00	\$1,600.00	5/6/2021	N
Perry Kronbeck	Groundwater	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$500.00	\$500.00	4/8/2021	N
Tamara Kieper	Groundwater	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$500.00	\$500.00	5/24/2021	N
Willard Pfarr	Non-Structural Management Practices	Current State Grant	2021 - Local Water Management - NRBG (Redwood County)	\$604.00	\$604.00	4/19/2021	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
329B - Conservation Tillage	2	4	80 AC	80 AC
638 - Water and Sediment Control Basin	1	1	1 COUNT	1 COUNT
351 - Well Decommissioning	5		1 COUNT	1 COUNT
329B - Conservation Tillage	1	1	30.2 AC	30.2 AC
410 - Grade Stabilization Structure	3	1	1 COUNT	1 COUNT
340 - Cover Crop	3	5	40 AC	40 AC

Proposed Activity Indicators

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

Indicator Name	Total Value	Unit
SEDIMENT (TSS)	76.96	TONS/YR
SOIL (EST. SAVINGS)	60.52	TONS/YR
PHOSPHORUS (EST. REDUCTION)	26.14	LBS/YR
BOD 5	8.74	LBS/YR

Grant Activity

Grant Activity - Adam Kletscher		
Description	Water Clarity Secchi Disk	
Category	MONITORING/DATA COLLECTION	
Start Date		End Date
Has Rates and Hours?	No	
Actual Results	2021: Monitoring Lake Clarity.	

Grant Activity - Alan Madsen		
Description	Cover Crop	
Category	NON-STRUCTURAL MANAGEMENT PRACTICES	
Start Date	3-Sep-21	End Date 18-Nov-21
Has Rates and Hours?	No	
Actual Results	Drilled Cereal Rye into standing Corn Stubble.	

Activity Action - Alan Madsen			
Practice	340 - Cover Crop	Count of Activities	1
Description	Drilled Cereal Rye into corn stubble		
Proposed Size / Units	40.00 AC	Lifespan	1 Year
Actual Size/Units	40.00 AC	Installed Date	3-Sep-21
Mapped Activities	2 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Alan Madsen			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	4.04
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Cottonwood Watershed		

Final Indicator for Alan Madsen			
Indicator Name	SEDIMENT (TSS)	Value	2.10
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Cottonwood Watershed		

Final Indicator for Alan Madsen			
Indicator Name	SOIL (EST. SAVINGS)	Value	6.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Cottonwood Watershed		

Grant Activity - Bruce Berg			
Description	Cover Crop		
Category	NON-STRUCTURAL MANAGEMENT PRACTICES		
Start Date	12-Jul-21	End Date	27-Oct-21
Has Rates and Hours?	No		
Actual Results	10/27/2021; Planted Cereal Rye into corn stubble.		

Activity Action - Bruce Berg			
Practice	340 - Cover Crop	Count of Activities	1
Description	Planted Cereal Rye into corn stubble		
Proposed Size / Units	40.00 AC	Lifespan	1 Year
Actual Size/Units	40.00 AC	Installed Date	12-Jul-21
Mapped Activities	2 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Bruce Berg			
Indicator Name	SOIL (EST. SAVINGS)	Value	10.88
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Cottonwood Watershed		

Final Indicator for Bruce Berg			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7.27
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Cottonwood Watershed		

Final Indicator for Bruce Berg			
Indicator Name	SEDIMENT (TSS)	Value	3.81
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Cottonwood Watershed		

Grant Activity - Eric Nelson			
Description	Well Decommissioning		
Category	GROUNDWATER		
Start Date	11-Apr-21	End Date	03-Jun-21
Has Rates and Hours?	No		
Actual Results	6.3.21: Well decommission of 1 well, sealed abandoned well,		

Activity Action - Eric Nelson			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	1 Well decommissioning, sealed up abandoned well.		
Proposed Size / Units	1.00 COUNT	Lifespan	20 Years
Actual Size/Units	1.00 COUNT	Installed Date	11-Apr-21
Mapped Activities	No	Technical Assistance Provider	SWCD

Grant Activity - James Billmeier			
Description	Longterm Filter Strip		
Category	AGRICULTURAL PRACTICES		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	2021: Maintained Filter Strip for multiple years for filter sediment and nutrients on water body.		

Grant Activity - James Lux			
Description	Well decommissioning		
Category	GROUNDWATER		
Start Date	29-Mar-21	End Date	26-May-21
Has Rates and Hours?	No		
Actual Results	05/26/2021: Well Decommissioning of 1 well, sealed abandoned well.		

Activity Action - James Lux			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	1 well decommissioning, sealed up abandoned well.		
Proposed Size / Units	1.00 COUNT	Lifespan	20 Years
Actual Size/Units	1.00 COUNT	Installed Date	29-Mar-21
Mapped Activities	No	Technical Assistance Provider	SWCD

Grant Activity - Jeff Bertchi			
Description	Grade Stabilization		
Category	AGRICULTURAL PRACTICES		
Start Date	8-Oct-21	End Date	24-Nov-21
Has Rates and Hours?	No		
Actual Results	Built 3 earthen berms to control gully erosion.		

Activity Action - Jeff Bertchi			
Practice	410 - Grade Stabilization Structure	Count of Activities	3
Description	built 3 earthen berms to control gully erosion		
Proposed Size / Units	1.00 COUNT	Lifespan	15 Years
Actual Size/Units	1.00 COUNT	Installed Date	8-Oct-21
Mapped Activities	1 Point(s)	Technical Assistance Provider	SWCD

Final Indicator for Jeff Bertchi			
Indicator Name	SEDIMENT (TSS)	Value	.341
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Pell Creek		

Final Indicator for Jeff Bertchi			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.341
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Pell Creek		

Final Indicator for Jeff Bertchi			
Indicator Name	SOIL (EST. SAVINGS)	Value	1.605
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Pell Creek		

Grant Activity - Joel Samyn			
Description	No-till		
Category	NON-STRUCTURAL MANAGEMENT PRACTICES		
Start Date	6-May-21	End Date	04-Sep-21
Has Rates and Hours?	No		
Actual Results	No-tilled Soybeans into corn stubble		

Activity Action - Joel Samyn			
Practice	329B - Conservation Tillage	Count of Activities	1
Description	No-tilled soybeans into corn stubble		
Proposed Size / Units	80.00 AC	Lifespan	1 Year
Actual Size/Units	80.00 AC	Installed Date	6-May-21
Mapped Activities	3 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Joel Samyn			
Indicator Name	SEDIMENT (TSS)	Value	056
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Yellow Medicine Watershed		

Grant Activity - Karl Guetter			
Description	Constructed an earthen berm to eliminate concentrated gully erosion from occurring on his cropland acres.		
Category	AGRICULTURAL PRACTICES		
Start Date	19-Oct-21	End Date	01-Dec-21
Has Rates and Hours?	No		
Actual Results	12/1/2021 Constructed an earthen berm to eliminate concentrated gully erosion from occurring on his cropland acres.		

Activity Action - Karl Guetter			
Practice	638 - Water and Sediment Control Basin	Count of Activities	1
Description	Construction an earthen berm to eliminate concentrated gully erosion from occurring on his cropland acres.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	19-Oct-21
Mapped Activities	1 Point(s)	Technical Assistance Provider	SWCD

Final Indicator for Karl Guetter			
Indicator Name	SEDIMENT (TSS)	Value	1.68
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Redwood Watershed		

Final Indicator for Karl Guetter			
Indicator Name	SOIL (EST. SAVINGS)	Value	4.79
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Redwood Watershed		

Final Indicator for Karl Guetter			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1.68
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Redwood Watershed		

Grant Activity - Kathleen Wenisch			
Description	Longterm Filter Strip		
Category	AGRICULTURAL PRACTICES		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	Maintain filter strip for multiple years for filter sediment and nutrients on water body.		

Grant Activity - Kevin Bock			
Description	Well Decommissioning		
Category	GROUNDWATER		
Start Date	26-Mar-21	End Date	28-Jun-21
Has Rates and Hours?	No		
Actual Results	06/28/2021: Well decommissioning of 1 well, sealed abandoned well.		

Activity Action - Kevin Bock			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	1 Well decommissioning, sealed up abandoned well.		
Proposed Size / Units	1.00 COUNT	Lifespan	20 Years
Actual Size/Units	1.00 COUNT	Installed Date	28-Jun-21
Mapped Activities	No	Technical Assistance Provider	SWCD

Grant Activity - Leo Mertens			
Description	Longterm Filter Strip		
Category	AGRICULTURAL PRACTICES		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	Filter Strip for multiple years for filter sediment and nutrients on water body.		

Grant Activity - Leo Mertens 2			
Description	Longterm filter strip		
Category	AGRICULTURAL PRACTICES		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	2021: Maintained filter strip for multiple years for filter sediment and nutrients on water body.		

Grant Activity - Mark Madsen, Madsen Ag Inc			
Description	Cover Crops		
Category	NON-STRUCTURAL MANAGEMENT PRACTICES		
Start Date	3-Sep-21	End Date	18-Nov-21
Has Rates and Hours?	No		
Actual Results	11/18/2021; Drilled Cereal Rye into standing Corn Stubble.		

Activity Action - Mark Madsen, Madsen Ag Inc			
Practice	340 - Cover Crop	Count of Activities	1
Description	Drilled Cereal Rye into standing corn stubble.		
Proposed Size / Units	40.00 AC	Lifespan	1 Year
Actual Size/Units	40.00 AC	Installed Date	3-Sep-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	Private Consultant

Final Indicator for Mark Madsen, Madsen Ag Inc			
Indicator Name	SEDIMENT (TSS)	Value	3.92
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Cottonwood Watershed		

Final Indicator for Mark Madsen, Madsen Ag Inc			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	6.74
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Cottonwood Watershed		

Final Indicator for Mark Madsen, Madsen Ag Inc			
Indicator Name	SOIL (EST. SAVINGS)	Value	11.20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Cottonwood Watershed		

Grant Activity - Michael Samyn			
Description	No-till		
Category	NON-STRUCTURAL MANAGEMENT PRACTICES		
Start Date	6-May-21	End Date	04-Sep-21
Has Rates and Hours?	No		
Actual Results	09/04/2021: No-tilled soybeans into standing Corn Stubble.		

Activity Action - Joel Samyn			
Practice	329B - Conservation Tillage	Count of Activities	1
Description	No-tilled soybeans into standing corn Stubble.		
Proposed Size / Units	80.00 AC	Lifespan	1 Year
Actual Size/Units	80.00 AC	Installed Date	6-May-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Joel Samyn			
Indicator Name	SOIL (EST. SAVINGS)	Value	15.84
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Yellow Medicine Watershed		

Final Indicator for Joel Samyn			
Indicator Name	SEDIMENT (TSS)	Value	5.54
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Yellow Medicine Watershed		

Final Indicator for Joel Samyn			
Indicator Name	BOD 5	Value	8.74
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Yellow Medicine Watershed		

Grant Activity - Perry Kronbeck			
Description	Well Decommissioning		
Category	GROUNDWATER		
Start Date	8-Apr-21	End Date	25-May-21
Has Rates and Hours?	No		
Actual Results	05/25/2021: Well Decommissioning 1 well, sealed abandoned well.		

Activity Action - Perry Kronbeck			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	1 Well decommissioning, sealed abandoned well.		
Proposed Size / Units	1.00 COUNT	Lifespan	20 Years
Actual Size/Units	1.00 COUNT	Installed Date	8-Apr-21
Mapped Activities	No	Technical Assistance Provider	SWCD

Grant Activity - Tamara Kieper			
Description	Well Decommissioning		
Category	GROUNDWATER		
Start Date	24-May-21	End Date	10-Aug-21
Has Rates and Hours?	No		
Actual Results	08/10/2021: Well decommissioning for 1 well, sealed abandoned well.		

Activity Action - Tamara Kieper			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	1 Well decommissioning, sealed abandoned well.		
Proposed Size / Units	1.00 COUNT	Lifespan	20 Years
Actual Size/Units	1.00 COUNT	Installed Date	24-May-21
Mapped Activities	No	Technical Assistance Provider	SWCD

Grant Activity - Willard Pfarr			
Description	No-till		
Category	NON-STRUCTURAL MANAGEMENT PRACTICES		
Start Date	19-Apr-21	End Date	14-Jun-21
Has Rates and Hours?	No		
Actual Results	No-tilled soybeans into standing corn stubble.		

Activity Action - Willard Pfarr			
Practice	329B - Conservation Tillage	Count of Activities	1
Description	No-tilled soybeans into standing corn stubble.		
Proposed Size / Units	30.20 AC	Lifespan	1 Year
Actual Size/Units	30.20 AC	Installed Date	19-Apr-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Willard Pfarr			
Indicator Name	SOIL (EST. SAVINGS)	Value	10.20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Cottonwood Watershed		

Final Indicator for Willard Pfarr			
Indicator Name	SEDIMENT (TSS)	Value	3.57
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Cottonwood Watershed		

Final Indicator for Willard Pfarr			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	6.07
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Cottonwood Watershed		

Grant Attachments

Document Name	Document Type	Description
2020/2021 Natural Resources Block Grant	Grant Agreement	2020/2021 Natural Resources Block Grant - Redwood County
2020/2021 Natural Resources Block Grant EXECUTED	Grant Agreement	2020/2021 Natural Resources Block Grant - Redwood County
2021 Local Water Management	Grant	2021 - Local Water Management - NRBG (Redwood County)

Document Name	Document Type	Description
2021 Local Water Management	Grant	2021 - Local Water Management - NRBG (Redwood County)
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/21/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/27/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/17/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/22/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/22/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/16/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/26/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/26/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/21/2022