



Grant All-Detail Report

Accelerated Implementation Grant 2015

Grant Title - Lake of the Woods Long Term Shoreline Protection Strategies

Grant ID - C15-0148

Organization - Lake of the Woods SWCD

Grant Awarded Amount	\$46,750.00	Grant Execution Date	3/31/2015
Required Match Amount	\$11,687.50	Grant End Date	12/31/2018
Required Match %	25%	Grant Day To Day Contact	Mike Hirst

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$46,750.00	\$14,597.57	\$32,152.43
Total Match Amount	\$11,790.00	\$1,000.00	\$10,790.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$58,540.00	\$15,597.57	\$42,942.43

**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
Grant Administration	Administration /Coordination	Current State Grant	Lake of the Woods Long Term Shoreline Protection Strategies	\$4,250.00	\$940.26	12/31/2017	N
Grant Administration	Administration /Coordination	Local Fund	local fund	\$1,000.00	\$1,000.00	12/31/2016	Y
Shoreline Infrastructure Planning	Planning and Assessment	Current State Grant	Lake of the Woods Long Term Shoreline Protection Strategies	\$10,000.00	\$1,725.42	12/31/2017	N
Shoreline Infrastructure Planning	Planning and Assessment	Local Fund	County and Peer Review Committees	\$3,110.00			Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Shoreline Protection Designs	Technical/Engineering Assistance	Current State Grant	Lake of the Woods Long Term Shoreline Protection Strategies	\$15,000.00	\$762.56	12/31/2016	N
Shoreline Protection Designs	Technical/Engineering Assistance	Federal Funds	ACOE and LWCB Engineers	\$1,200.00			Y
Volunteer Lake Level Monitoring Program	Project Development	Current State Grant	Lake of the Woods Long Term Shoreline Protection Strategies	\$8,500.00	\$8,028.12	12/31/2017	N
Volunteer Lake Level Monitoring Program	Project Development	Federal Funds	International Advisory Boards	\$1,080.00			Y
Volunteer Lake Level Monitoring Program	Project Development	Landowner Fund	Volunteers	\$5,400.00			Y
Volunteer Monitoring Equipment	Agricultural Practices	Current State Grant	Lake of the Woods Long Term Shoreline Protection Strategies	\$1,500.00	\$758.72	12/31/2017	N
Workshops and Promotion	Education/Information	Current State Grant	Lake of the Woods Long Term Shoreline Protection Strategies	\$7,500.00	\$2,382.49	12/31/2017	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
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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
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Grant Activity

Grant Activity - Grant Administration			
Description	Complete Elink reporting requirements, track finances and in-kind contributions and complete coordination of activities.		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Apr-15	End Date	
Has Rates and Hours?	Yes		
Actual Results	As of 12/31/15 - completed reporting in eLink, developed grant finance tracking spreadsheet, monthly time tracking and documenting activities in daily journal. As of 12/31/16 - completed eLink reporting, tracked monthly time and activities, created packets of information to send to the volunteer monitors, updated website. As of 12/31/17 - completed eLink reporting, track monthly time and activities, work with county on invoicing for joint project.		

Grant Activity - Shoreline Infrastructure Planning

Description	<p>Review county planning with respect to 1064 elevation US flowage easement.</p> <p>Analyze LiDAR and GIS data utilizing County GIS/IT specialist and shared services GIS staff to assist with mapping and targeting for infrastructure below 1064 feet of elevation.</p> <p>Results will be reviewed with the Public Works Department, County Emergency Manager, land use planning boards and the water plan committee.</p> <p>Information gathered will be used to pursue ways to address continued high water levels through proposals to the International Joint Commission and Lake of the Woods Control Board.</p>		
Category	PLANNING AND ASSESSMENT		
Start Date	1-Sep-15	End Date	
Has Rates and Hours?	Yes		
Actual Results	<p>As of 12/31/15 - begin initial review of GIS data to use for evaluation. Discussions with county GIS staff to possibly assist with this activity.</p> <p>As of 12/31/16 - SWCD staff worked with the ACOE to conduct a wave runup study on Lake of the Woods as part of the Silver Jacket Program. Final report is near completion and will be presented at LOW Water Quality Forum. This study will provide data which can be used when designing shoreline riprap and estimating flood damages. SWCD staff is also working with County Surveyor to establish a report which will provide a concise description on all datums historically used on the lake, along with benchmarks which can be tied into localized surveys. The 1064 targeting project has been initiated and will continue in 2017.</p> <p>12/31/17 - working with County Surveyor on the datum report. Provided information and resources for the report and reviewed the draft. Working with WSN Engineering on shoreline design standards for the southern shore.</p>		

Grant Activity - Shoreline Protection Designs

Description	Review current shoreline protection design standard. Create 3 to 5 new design standards for shoreline protection for the southern shore of Lake of the Woods. Assist landowners and contractors in establishing a reference point at project locations to install designs at the correct elevation.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Jul-15	End Date	
Has Rates and Hours?	Yes		
Actual Results	As of 12/31/15 - no action taken		

Grant Activity - Volunteer Lake Level Monitoring Program

<p>Description</p>	<p>The SWCD will work with the Lake of the Woods Control Board, the MN DNR and the MPCA to establish a volunteer monitoring program. The volunteer monitoring program is intended to provide a framework for reporting acceptable or preferred water levels on Lake of the Woods. It will include staff or water level gauges, photos, surveys, and wind and weather records to tie into gauged lake water levels. This information will be packaged and disseminated to partners who have influence over water level control and water level gauge placement.</p> <p>Step 1: Series of meetings with LWCB, DNR and PCA to develop framework for volunteer program. Equipment acquisition. Summer 2015.</p> <p>Step 2: Seek out interested volunteers. Train volunteers and install equipment. Summer/Fall 2015.</p> <p>Step 3: Monthly contact, data collection and entry over a period of 3 years. Spring thru Fall 2016-2018.</p> <p>The program will be reevaluated annually to determine that the data collection methods are meeting the intended purpose of providing objective ways to provide feedback on water level management.</p> <p>Throughout the project, SWCD staff will participate in meetings of the Lake of the Woods Control Board in order to provide feedback on water level management. The data gathered through the volunteer monitoring network will be used to help ensure that water levels are being managed at optimal levels.</p> <p>The data gathered will also be used to build support for the establishment of a water level gauge at Morris Point to help ensure that lake levels are being accurately represented and evaluate changes seasonal wind direction.</p>	
<p>Category</p>	<p>PROJECT DEVELOPMENT</p>	
<p>Start Date</p>	<p>1-Jul-15</p>	<p>End Date</p>
<p>Has Rates and Hours?</p>	<p>Yes</p>	
<p>Actual Results</p>	<p>As of 12/31/15 - discuss this project with international partners, develop monitoring program concept and datasheet, researching best ways to conduct the work.</p> <p>As of 12/31/16 - coordinated a shoreline monitoring program. See www.lakeofthewoodsswcd.org home page for results posted through ArcOnline.</p> <p>As of 12/31/17- coordinated and refined the shoreline monitoring program. Results will be posted on www.lakeofthewoodsswcd.org when the updated lake level information is entered into the monitoring data. Monthly data entry, working with volunteers on a weekly basis during the summer monitoring season, and providing datasheets and tools for monitoring.</p>	

Grant Activity - Volunteer Monitoring Equipment

Description	Volunteer Monitoring Equipment		
Category	AGRICULTURAL PRACTICES		
Start Date	1-Jun-15	End Date	
Has Rates and Hours?	No		
Actual Results	As of 12/31/15 - no action taken. As of 12/31/16 - purchased staff gauges which were installed at the bay sites to help correlate water level with local observations.		

Grant Activity - Workshops and Promotion

Description	Hold 4 workshops and utilize direct mail, email and website for the promotion of new shoreline protection designs.		
Category	EDUCATION/INFORMATION		
Start Date		End Date	
Has Rates and Hours?	Yes		
Actual Results	As of 12/31/15 - held two evening workshops on shoreline protection techniques to cover things to watch for when installing riprap protection. JPB engineering staff presented at the workshop. As of 12/31/17 - participated in two events promoting the volunteer shoreline inspectors program. Shared the data collected at an International Joint Commission meeting. Prepared a newsletter article for the SWCD's biannual newsletter "Bridging the Gap"		

Grant Attachments

Document Name	Document Type	Description
2014 Shoreline Damage	Grant	Lake of the Woods Long Term Shoreline Protection Strategies
2015 Competitive Grant	Grant Agreement	2015 Competitive Grant - Lake of the Woods SWCD
2015 Competitive Grant executed	Grant Agreement	2015 Competitive Grant - Lake of the Woods SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/26/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/20/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/30/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/31/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/25/2016

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/21/2016
Application	Workflow Generated	Workflow Generated - Application - 09/26/2014
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/28/2015
grantmap_12667_2014-09-24_02-23-35-PM.jpg	Grant	Lake of the Woods Long Term Shoreline Protection Strategies