



## Grant All-Detail Report Projects and Practices 2020

**Grant Title** - Sunrise River Drained Wetland Restoration

**Grant ID** - C20-7189

**Organization** - Comfort Lake-Forest Lake WD

Original Awarded Amount	\$492,000.00	Grant Execution Date	5/5/2020
Required Match Amount	\$123,000.00	Original Grant End Date	12/31/2022
Required Match %	25%	Grant Day To Day Contact	Mike Kinney
Current Awarded Amount	\$492,000.00	Current End Date	12/31/2023

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$492,000.00	\$80,000.00	\$412,000.00
Total Match Amount	\$123,000.00	\$96,019.78	\$26,980.22
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$615,000.00</b>	<b>\$176,019.78</b>	<b>\$438,980.22</b>

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

### Budget Details

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Administration	Administration /Coordination	Local Fund	CLFLWD	\$30,000.00	\$18,062.76	12/31/2022	Y
Construction	Conservation Drainage	Current State Grant	Sunrise River Drained Wetland Restoration	\$412,000.00			N
Construction	Conservation Drainage	Local Fund	CLFLWD	\$60,000.00			Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Engineering	Technical/Engineering Assistance	Current State Grant	Sunrise River Drained Wetland Restoration	\$80,000.00	\$80,000.00	12/31/2022	N
Engineering	Technical/Engineering Assistance	Local Fund	CLFLWD	\$33,000.00	\$77,957.02	12/31/2022	Y

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
587 - Structure for Water Control	1		5 AC	AC

### Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
<b>Construction</b>	PHOSPHORUS (EST. REDUCTION)	54 LBS/YR	Comfort Lake	P8 Urban Catchment Model	

### Final Indicators Summary

Indicator Name	Total Value	Unit
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## Grant Activity

Grant Activity - Administration			
Description	Administration costs for grant tracking, grant agreement management, grant reporting to BWSR, and project management and oversight of activities included in the work plan.		
	<p>This Activity will be carried out by the following CLFLWD staff. Tasks include budgeting, reporting and grant management. Minor support roles may be needed by the District Engineer and Legal Counsel.</p> <ul style="list-style-type: none"> <li>District Lead – Mike Kinney</li> <li>Day-to-Day Project Coordinator – Blayne Eineichner</li> <li>Grant Administration – Emily Heinz</li> <li>Education &amp; Outreach – Jessica Lindemyer</li> </ul>		
Category	ADMINISTRATION/COORDINATION		
Start Date		End Date	
Has Rates and Hours?	Yes		
Actual Results	12/31/20 Update: Project start-up and development. In 2020 District staff had numerous communications with property owners adjacent to the tax forfeit project site.		
	12/31/21 Update: Continued project development and adjacent landowner coordination. One adjacent landowner passed away, requiring extended communications with heirs. Project is now back on track and slated for construction in winter 2022/2023. Since conditions will likely not be frozen enough for construction until January/February, CLFLWD will be requesting a grant extension for this project.		
	12/31/22 Update: Grant admin/reporting; processed grant amendment; completed project administration in order to queue up winter '22/'23 construction		

Grant Activity - Construction		
Description	The proposed project will modify an existing ditched wetland to increase water quality treatment potential and storage capacity of the wetland. Construction costs for soil grading, berm enhancements, inlet and outlet control structures, and revegetation.	
	This activity will be carried out by a contractor selected through a public bidding process. EOR and CLFLWD staff will oversee the bidding and construction process.	
	Accounting for downstream treatment (43%) through the Shallow Pond wetland complex, the total load reduction to Comfort Lake is expected to be approximately 80 lb/yr, or 63% of the total reductions needed to meet the State water quality standard for growing season average phosphorus concentration of 40 µg/L, and 26% of the watershed runoff reductions needed for Comfort Lake to achieve the District long-term goal for growing season average phosphorus concentration of 30 µg/L.	
	See detail work plan text in eLINK attachments for further description.	
Category	CONSERVATION DRAINAGE	
Start Date		End Date
Has Rates and Hours?	No	
Actual Results	12/31/21 Update: Construction slated for winter 2022/2023. Since conditions will likely not be frozen enough for construction until January/February, CLFLWD will be requesting a grant extension for this project.	
	12/31/22 Update: Began site prep in December, with main bulk of construction (excavation/earthwork) to occur in February once conditions are cold/frozen enough. No pay applications received from contractor as of yet, but are expected in the coming few weeks/months.	

Activity Action - Wetland Restoration			
Practice	587 - Structure for Water Control	Count of Activities	1
Description	<p>The proposed project will modify an existing ditched wetland to increase water quality treatment potential and storage capacity of the wetland.</p> <p>(Wanted to use Practice #638 - "Water and Sediment Control Basin" similar to FY14 Bixby Park CWF Project, but was not available in the drop down menu.)</p>		
Proposed Size / Units	5.00 AC	Lifespan	25 Years
Actual Size/Units	AC	Installed Date	
Mapped Activities	No	Technical Assistance Provider	

Grant Activity - Engineering			
Description	Engineering costs for final designs, permitting, construction bidding, observations, as-builts and inspections.		
	<p>This activity will be primarily carried out by Emmons &amp; Olivier Resources (EOR) currently serving as the watershed district engineer. District legal counsel time needed to review contracts and landowner agreements are also included in this grant activity. Tasks include permitting, modeling, design, contract documents, bidding and construction oversight. A registered land surveyor will be contracted to assist with any easements and legal descriptions. EOR staff dedicated to the project and their individual roles are identified below.</p> <ul style="list-style-type: none"> <li>• Project Manager – Kevin Biehn, PLA</li> <li>• Design Engineer and Engineer of Record – Kyle Crawford, PE</li> <li>• District Engineer and Water Quality Scientist - Meghan Funke, PE, Ph.D.</li> <li>• Wetland Ecology &amp; Environmental Permitting Lead – Jason Naber</li> <li>• Wetland Ecology &amp; Environmental Permitting – Jimmy Marty</li> <li>• Principal Oversight - Cecilio Olivier, PE</li> <li>• H&amp;H &amp; Water Quality Modeling Lead - Mike Talbot, EIT</li> <li>• Civil Technician, Field Services &amp; Construction Observation – Multiple</li> </ul> <p>See detail work plan text in eLINK attachments for further description.</p>		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	12/31/20 Update: Completed site surveys, geotechnical review, preliminary permitting discussions, and concept designs.		
	<p>12/31/21 Update: Furthered project feasibility and design, which required additional work due to landowner communications. Incorporated several design elements that should increase the project effectiveness and increase the nutrient reduction.</p> <p>12/31/22 Update: Completed final design and construction bidding and contracting. Final design indicates an estimated phosphorus reduction much higher than what was indicated in the CWF grant application. Final P reduction estimates: 89 lb/yr at Sunrise River (edge of project), 65 lb/yr at Comfort Lake. Grant application indicated an estimated P reduction of 54 lb/yr at Comfort Lake.</p>		

## Grant Attachments

Document Name	Document Type	Description
<b>2020 Competitive Amendment EXECUTED</b>	Grant Agreement Amendment	
<b>2020 Competitive Grant</b>	Grant Agreement	2020 Competitive Grant - Comfort Lake-Forest Lake WD
<b>2020 Competitive Grant EXECUTED</b>	Grant Agreement	2020 Competitive Grant - Comfort Lake-Forest Lake WD
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/30/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/21/2022
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/20/2022
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/13/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/17/2023
<b>Application</b>	Workflow Generated	Workflow Generated - Application - 09/09/2019
<b>Application Image_Sunrise</b>	Grant	Sunrise River Drained Wetland Restoration
<b>C20-7191 and C20-7189_grant amendment_1 year extension_07262022</b>	Grant Agreement Amendment	
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 04/20/2020
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/22/2020
<b>Work Plan Detail</b>	Grant	Sunrise River Drained Wetland Restoration
<b>grantmap_25656_2019-09-06_03-57-11-PM.jpg</b>	Grant	Sunrise River Drained Wetland Restoration