What the draft 2020-2029 Sunrise River Watershed Management Organization Plan means for your lake:

Draft May 2019

Program	Coon Lake	Linwood Lake	Martin Lake	Typo Lake	Fawn Lake	Boot Lake
Lake Water Quality Monitoring Monitor in-lake water quality including include total phosphorus, chlorophyll-a (algae), and transparency. Purpose is to track water quality project effectiveness and track trends. Est SRWMO expenditures: $46,394 Dates: 2020-2029	3 of 10 yrs	3 of 10 yrs	8 of 10 yrs to track benefits of ongoing water quality projects			2021 only
Lake Transparency Monitoring by Volunteers Coordinate volunteer monitoring of lake clarity every-other-week during summer. Schedule includes all lakes listed to the right plus Island, Skunk, Tamarack, Rice, South Coon and Pet Lakes. Purpose is to ensure continuous records of a basic water quality parameter in years when professional monitoring does not occur. Est SRWMO expenditures: $10,277 Dates: 2020-2029	10 of 10 yrs					
Tributary Water Quality Monitoring Monitor tributary stream water quality including total phosphorus, total suspended solids, dissolved oxygen and others. Purpose is to diagnose lake water quality or track changes to impaired streams. Est SRWMO expenditures: $6,779 Dates: 2020-2029			3 of 10 yrs	1 of 10 yrs		

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Lake Level Monitoring Monitor lake levels weekly. The SRWMO pays for equipment, installation and surveying at sites where volunteers monitor lake level. Purpose is to track water levels and inform management decisions. Est SRWMO expenditures: $18,477 Dates: 2020-2029	10 of 10 yrs					
Agricultural Water Quality Projects Conservation plans will be created with at least five agricultural producers in collaboration with a grant-funded program at Chisago Soil and Water Conservation District. The SRWMO will thereafter have small grants to incentivize installing identified projects that benefit water quality. Est SRWMO expenditures: $15,740 Dates: 2021-2022 and possibly later	All. Sites not yet selected.					
Lakeshore stewardship grants to landowners through lake associations New cost share grant program in conjunction with interested lake groups to incentivize landowners to do lakeshore buffers, rain gardens and other water quality improvement projects. The SRWMO will provide the funding and ask that lake groups promote the program, receive requests for funds and help select projects. The SRWMO will retain final approval authority over expenditures. Est SRWMO expenditures: $25,500 Grant funds to be pursued: $102,000 Dates: 2022-2027	Any lake with a willing lake association or similar group					

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Carp Management Feasibility Study Estimate carp populations and reproduction rates, and compare these to scientific goals. Purpose is to determine if carp management will yield lasting benefits to water quality, the fishery and ecological health. Est SRWMO expenditures: $9,250 Grant funds to be pursued: $58,420 Dates: 2020-2022	2025	2018-2019	Initial study complete. Post-management surveys in 2023-24.	Initial study complete. Post-management surveys in 2023-24.		
Carp Management/Removals Remove over-populated carp using a box netting method where feasibility studies have shown the work will result in benefits to water quality, the fishery and overall ecological health. Est SRWMO expenditures: $25,000 Grant funds to be pursued: $100,000 Dates: 2020-2025	Possibly, depending on results of feasibility study	Possibly, depending on results of feasibility study	Yes	Yes		
Alum Treatment Feasibility Study A study to determine the extent to which in-lake nutrients are driving water quality impairments, and whether the addition of aluminum sulfate (alum) could correct the issue. Components include lake sediment coring, monitoring and modeling. Also includes an assessment of the social acceptability to lakeshore owners and lake users. Outcome is an assessment of the cost-effectiveness of alum treatment, social acceptability assessment, and prescription for any alum treatment. Est SRWMO expenditures: $25,000 Grant funds to be pursued: $100,000 Dates: 2020-2025		Yes	Yes	Yes		

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Subwatershed Study A study of selected areas draining to a lake which identify water quality improvement projects, estimate their costs and pollutant reductions and rank projects on cost-effectiveness. The purpose is to target management where it will be most effective and facilitate successful grant applications to install projects. Studies/projects have been previously done at Coon and Martin Lakes. Linwood Lake is selected next based on recommendations of a TMDL impaired waters study and watershed restoration and protection strategies study. Est SRWMO expenditures: $5,000 Grant funds to be pursued: $20,000 Dates: 2023-2024		Yes				
Install Projects in Completed Subwatershed Studies, Alum feasibility studies or similar The most cost-effective projects will be installed and could include rain gardens, lakeshore restorations, wetland restorations, stormwater ponds, alum treatments or others. Projects are only installed where the landowner is willing. Est SRWMO expenditures: $35,300 Grant funds to be pursued: $141,200 Dates: 2020, 2024, 2026-27	Yes	Yes, 2024 or later	Yes			

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Demonstration Water Quality Projects on Public Lands Implement shoreline or stormwater management demonstration projects, or educational outreach projects, with Anoka County Parks or lands owned by Coon Lake Beach Improvement Assoc. Targeted areas are at Coon, Linwood and Island Lakes. Some projects being discussed include educational displays at a future Island Lake fishing pier, boardwalk or trail, or and adding a stormwater treatment demonstration at new parking lot. Est SRWMO expenditures: $13,500 Grant funds to be pursued: $54,000 Dates: 2020, 2024, 2026-27	Possibly	Possibly	Possibly			
Lakeshore Photo Inventories 360-degree photo inventories of lakeshore which are posted to Google Maps (use the Street View feature to view). Purpose is to document lakeshore conditions so that funding for erosion correction and other assistance can be targeted to properties in greatest need. Est SRWMO expenditures: $2,000 Grant funds to be pursued: $8,000 Dates: 2020 (completed in 2020 at no cost to SRWMO) and 2026	Yes	Yes	Yes			
Weir Repair Request The SRWMO will request that the MN DNR replace/repair their weir at the outlet of Linwood Lake. Est SRWMO expenditures: $0 Dates: All		Yes				

Program	Coon Lake	Linwood Lake	Martin Lake	Typo Lake	Fawn Lake	Boot Lake
Lake Association Newsletter Content To better partner with lake associations and connect with lake residents the SRWMO wishes to more regularly contribute content to lake association newsletters. Est SRWMO expenditures: $12,230 Grant funds to be pursued: $0 Dates: 2020	Every lake with a willing lake association or similar group. Most likely are at Coon, Linwood and Martin Lakes.					
Septic Systems Failing shoreline septic systems continue to be a concern. A variety of efforts will take place including: (a) Anoka Conservation District continues to offer grants to fix failing systems, (b) septic system maintenance workshops and (c) working toward point of sale inspections in all SRWMO communities. Est SRWMO expenditures: varies, some tasks done by others Dates: 2020	Yes	Yes	Yes	Yes	Yes	

Notes:

- The above information is based on the 5-3-2019 draft of the SRWMO 4th Generation Watershed Management Plan, which is undergoing a 60-day review period by agencies. Comments from anyone are welcomed. Edits are likely.
- All estimated expenditures are over 10 years. Actual expenditures may vary.
- The SRWMO realizes that aquatic invasive species management is an important issue that lake groups tackle. The SRWMO has adopted a policy that it will not pay for maintenance treatments of aquatic invasive species unless those treatments will achieve a water quality benefit. While the issue is important, the SRWMO's focus is on water quality. The board believes that AIS treatments, which are often needed annually, could consume most or all of their budgets, leaving little for their core mission.