

# Quarterly Progress Update – Watershed Based Implementation Funding

July 25, 2022 Policy Committee Meeting

The Lower St. Croix Comprehensive Watershed Management Plan identifies priority rivers/streams and lakes for pollutant reductions/protections in [Table 5-2](#) and [Table 5-3](#). These tables indicate goal phosphorus reductions for each waterbody. The following is an update on progress toward these phosphorus reduction goals using Watershed Based Implementation Funds (WBIF). A more detailed basin-wide progress report, including work done outside the WBIF grant work plan, was provided in the April 25, 2022 Policy Committee meeting packet along with the basin annual plan of work. A more detailed progress report on the WBIF grant is provided annually to the Board of Water and Soil Resources.

## Implementation – BMPs/Restoration Activities

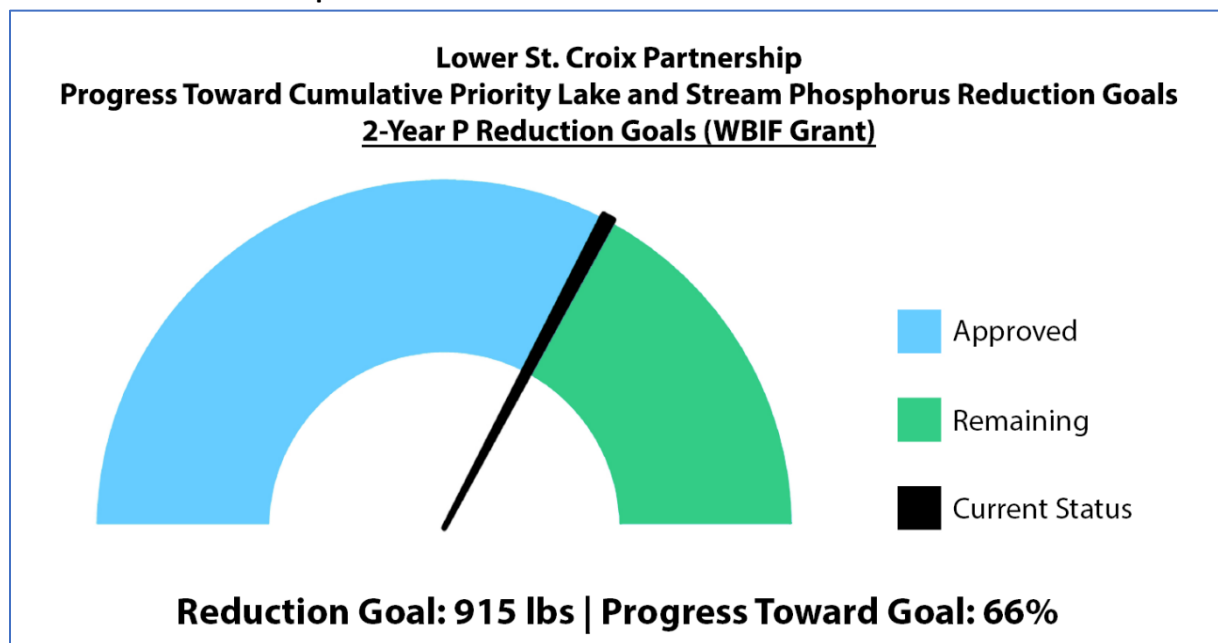
- Completed projects using FY21 WBIF:
  - SWWD McQuade Ravine Stabilization: 251 lb/yr phosphorus reduction to St. Croix River
  - Pine SWCD Hinze Cattle Exclusion & Buffer: 3.5 lb/yr phosphorus reduction to Rock Lake
  - Total: **255 lb/yr** phosphorus reduction toward priority waterbodies goal
- Projects approved for FY21 WBIF by Steering Committee:
  - Pine SWCD Hinze WASCOD (water and sediment control basin): 20 lb/yr phosphorus reduction to Rock Lake
  - Pine SWCD Jones Wetland Restoration: 319 lb/yr phosphorus reduction to Rock Lake
  - Pine SWCD Jahnz Wetland Restoration: 5.5 lb/yr phosphorus reduction to Rock Lake
  - CMSCWD Big Marine Boat Launch Stormwater Retrofit: 1.1 lb/yr phosphorus reduction to Big Marine Lake
  - CMSCWD Goose Lake Wetland Restoration: 20 lb/yr phosphorus reduction to Goose Lake (Goose Lake is not included on priority waterbodies list, so this project is not included in the totals below. Wetland restoration projects are prioritized according to location in CWMP [Figure 5-5](#), rather than water quality benefit to priority lakes/streams)
  - Total: **345 lb/yr** phosphorus reduction toward priority waterbodies goal
- **Total completed and approved projects:**
  - **Total 600 lb/yr phosphorus reduction toward priority waterbodies goal**
- Projects recommended to Policy Committee for WBIF (see separate memo in PC meeting packet):
  - SWWD Trout Brook Project: 177 lb/yr phosphorus reduction to Trout Brook/St. Croix River (recommend FY21 WBIF)
  - CLFLWD Sunrise River/Tax Forfeit Wetland Restoration: 81 lb/yr phosphorus reduction to Sunrise River (recommend fund part of request w/ FY21 and part w/ FY23)
  - Total: 258 lb/yr phosphorus reduction toward priority waterbodies goal (not yet approved, so not reflected in figures below)

*Note that all projects result in multiple benefits such as sediment reductions, habitat creation, flood prevention, etc. For the sake of brevity, this quarterly progress report focuses on phosphorus, as it is one of the primary drivers for water quality in Minnesota lakes and is the metric listed in Tables 5-2 and 5-3.*

## Progress Toward Phosphorus Reduction Goals

Time Period	Goal Phosphorus Reduction	Completed and Approved FY21 WBIF Projects	% of Goal Achieved
<u>2-year</u> phosphorus reduction goal from FY21 WBIF grant work plan	915 lb/yr	600 lb/yr	66%
<u>10-year</u> phosphorus reduction goal from LSC Comprehensive Watershed Mgmt Plan	5,503 lb/yr	600 lb/yr	11%
<u>100-year</u> phosphorus reduction goal from cumulative TMDLs	64,395 lb/yr	600 lb/yr	1%

### 2-Year Phosphorus Reduction Goal from FY21 WBIF Grant Work Plan



10-Year  
Phosphorus Reduction Goal from LSC Comprehensive Watershed Mgmt Plan

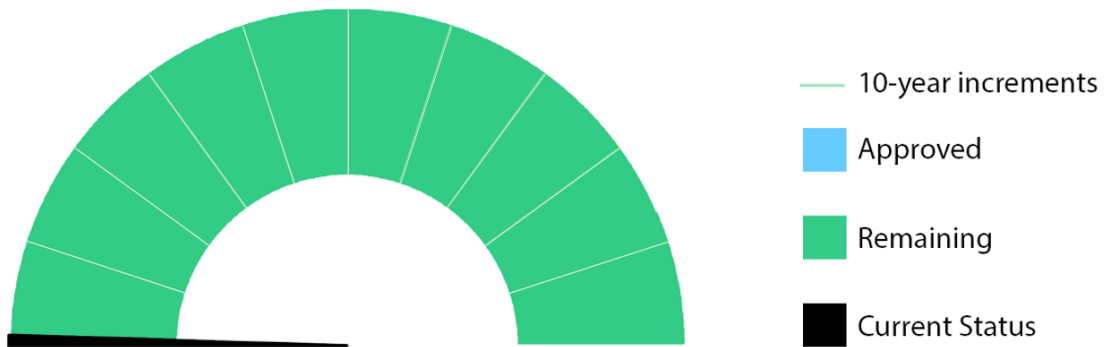
**Lower St. Croix Partnership**  
**Progress Toward Cumulative Priority Lake and Stream Phosphorus Reduction Goals**  
**10-Year P Reduction Goals (LSC Comp Plan)**



**Reduction Goal: 5,503 lbs | Progress Toward Goal: 11%**

100-Year  
Phosphorus Reduction Goal from Cumulative TMDLs

**Lower St. Croix Partnership**  
**Progress Toward Cumulative Priority Lake and Stream Phosphorus Reduction Goals**  
**100-Year P Reduction Goals (Total TMDL)**



**Reduction Goal: 64,395 lbs | Progress Toward Goal: 1%**

*Note: keep in mind that additional projects and initiatives led by partners and other organizations within the LSC Basin will help make progress toward these goals. Not solely dependent on WBIF projects. Additionally, due to priority waterbody connectivity, reductions for some waterbodies may also result in reductions to downstream waterbodies.*