

TMDL Project Scope

BCWMC/MPCA TMDL Partnership – April 2025

The purpose of this work plan is to document the project timeline and roles and responsibilities for developing TMDL reports for the Bassett Creek Watershed Management Commission (BCWMC). This is a working document which may change throughout the course of the project. Each new version will be noted by a new version number and will be accepted by the project manager and BCWMC lead.

Water bodies

- Lake phosphorus TMDLs will be developed for 2 lakes.
 - Lost (27-0103) - on the impaired list since 2024.
 - Lake to Watershed: 22 to 61; Landlocked basin
 - [Bassett Creek Watershed Management Commission :: Lost Lake \(bassettcreekwmo.org\)](http://bassettcreekwmo.org)
 - Northwood (27-0627) - on the impaired waters since 2004.
 - Lake to Watershed: 15 to 1,294
 - [Bassett Creek Watershed Management Commission :: Northwood Lake \(bassettcreekwmo.org\)](http://bassettcreekwmo.org)

Responsibilities

BCWMC:

- GIS layers
 - Watershed boundaries
 - Other applicable layers that BCWMC or partners have developed that are more accurate than publicly available layers.
- Watershed Models
 - Model output and models (P8)
 - Summary document of P8 modeling to be put in TMDL appendix.
- Sediment cores – If sediment cores are collected and laboratory analysis performed, results will be used to:
 - Inform the Bathtub (Lake) model related to the estimated internal phosphorus load from the sediment.
 - Assess whether an in-lake phosphorus treatment (such as alum) would be beneficial, what the phosphorus sediment load is, and use that information to help calculate the dose of treatment.
- If sediment cores are not collected:
 - The Bathtub model can still be developed, but the internal load will be an estimate.
- Special studies results:
 - As requested, provide access to previous monitoring reports, feasibility studies, other lake response models, and information on BMPs that have been implemented within the lake or watersheds.
- Coordinate and facilitate meetings with lake leaders and/or residents for each lake.

MPCA:

- Complete in-lake Bathtub modeling using information provided by BCWMC.
- Calculate TMDLs and Waste load allocations (WLA).
- Write TMDL report.
- Put report on public notice.
- Submit to EPA.

All:

- Organize and conduct meetings to relay information to partners; work together to ensure a quality product is produced.
- Meetings: Number can be adjusted based on level of input desired from partners.
 - Plan for 3 meetings with partners:
 - Kickoff meeting, after allocations are determined, and review draft report.
 - Plan for 2 meetings with lake leaders/groups and interested public to 1) receive input at the beginning of the project, and 2) gather feedback on the draft report. Lake groups include Friends of Northwood Lake and Lost Lake residents and volunteer lake monitors
 - Plan for 3-4 check-ins with core team:
 - During and after modeling, prep for partner allocation meeting, during draft reporting.

Timeline

Task	Who	Dates
Agreement of tasks (this document)	MPCA/BCWMC	April 2025
Check-in – Kick off	BCWMC, MPCA, partners	May/June 2025
Begin model updates / share GIS layers and studies	BCWMC	August 2025
Lake sediment coring / laboratory analysis	BCWMC	Sept 2025
Provide modeling outputs and technical memo on estimated loading / laboratory analysis for TMDL calculations	BCWMC	Aug - Nov 2025
Begin developing TMDL	MPCA	Sept - Nov 2025
Check-in meeting with partners to review allocations	BCWMC MPCA, partners	Nov – Dec 2025
Check-in meeting with partners to review draft TMDL	BCWMC, MPCA, partners	May 2026
Complete draft TMDL/Submittal to EPA	MPCA	October 2026

Project team and responsibilities

Staff Member	Organization / Project Role	Contact info	Responsibilities
Amy Timm	MPCA Project manager	Amy.timm@state.mn.us	Coordinate project team, primary contact with questions and adjustments to schedule, assist in TMDL report
Jeff Strom	MPCA TMDL writer	Jeff.strom@state.mn.us	Lead TMDL report writer
Laura Jester	BCWMC Administrator	laura.jester@keystonewaters.com	BCWMC – Core team
Greg Wilson	BCWMC Engineer	gwilson@barr.com	BCWMC – modeling and data – Core team
Stephanie Johnson	BCWMC Engineer	stephanie.johnson@barr.com	BCWMC – modeling and data – Core team
Ben Scharenbroich	City of Plymouth	bscharenbroich@plymouthmn.gov	Partner check-ins
Nick Macklem	City of New Hope	nmacklem@newhopemn.gov	Partner check-ins
Jason Swenson	MnDOT	jason.swenson@state.mn.us	Partner check-ins
Drew McGovern	Hennepin County	drew.mcgovern@hennepin.us	Partner check-ins