

**MINUTES**  
**Technical Advisory Committee**  
**June 9, 2022**

A meeting of the Technical Advisory Committee (TAC) of the Shingle Creek and West Mississippi Watershed Management Commissions was called to order by Chair Richard McCoy at 11:03 a.m., Thursday, June 9, 2022, at Crystal City Hall, 4141 Douglas Drive, Crystal, MN.

Present: Mike Albers, Brooklyn Center; Mitchell Robinson, Brooklyn Park; Derek Asche, Maple Grove; Katie Kowalczyk, Minneapolis; Nick Macklem, New Hope; Amy Riegel and Hailey Olson, Plymouth; Richard McCoy and Mike Sorensen, Robbinsdale; Kris Guentzel, Hennepin County Environment and Energy (HCEE); Ed Matthiesen, Diane Spector, Todd Shoemaker, and Katie Kemmitt, Stantec; and Judie Anderson, JASS.

Not represented: Champlin, Crystal, and Osseo.

Also present: Burt Orred, Jr., Crystal, and Andy Polzin, Plymouth.

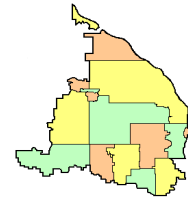
- I. Motion by Riegel, second by Robinson to **approve the agenda**. \* *Motion carried unanimously.*
- II. Motion by Robinson, second by Riegel to **approve the minutes**\* of the May 12, 2022, meeting. *Motion carried unanimously.*
- III. **Fourth Generation Watershed Management Plan.** Included in Staff's June 3, 2022, memo\* were three items:

**A. SCWM Boundary Change.** The 4th Generation Plan is an opportune time to revisit the watershed boundaries to ensure that they accurately reflect the most current drainage information between the Shingle Creek and West Mississippi drainage areas and the neighboring Elm Creek, Bassett Creek, and Mississippi watersheds. Updated hydrological modeling, more refined 2-foot LIDAR compared to the old 10-foot topography, has revealed a disconnect between the legal boundary and the hydrologic boundaries, compounded by subdivisions of larger, formerly agricultural and rural lots into suburban development.

Staff have prepared a **Proposal for Professional Services**\* to complete the work necessary to pursue these boundary revisions. This work will require a substantial effort of reviewing drainage patterns, in some cases reviewing the boundary areas lot by lot. These have not been updated since the Commissions were formed in 1985. In West Mississippi's case, there never was more than a simple hydrologic model available, and the Commission never formally established a hydrological boundary. Shingle Creek's boundary has been updated several times -- to develop a watershed-wide HydroCAD model, the watershed XP-SWMM model prepared as part of the chloride TMDL, and most recently in the HUC 8 flood hazard study.

Staff recommend that the cost be split equally between the two Commissions and funds be reallocated from each Commission's Cost Share Projects accounts, both of which are carrying balances well above the maximum recommended by the Cost Share Policy (Shingle Creek has about \$270,000 and West Mississippi has about \$300,000).

Motion by Macklem, second by Robinson to recommend to the Commissions that they proceed with this project at a cost totaling \$27,900. *Motion carried unanimously.*



**B. Draft Priorities, Goals, and Policies.** Based on input received to date, Staff have developed the draft Priorities, Goals, and Policies included in the meeting packet. Also included in the packet for reference are the current goals and policies\* from the 3rd Generation Plan. Discussion focused on climate sustainability, social equity and restorative justice, groundwater, feasibility studies, and continuing 5-year review of TMDLs. With TAC and Commissioner input, Staff will continue to develop the foundational components of the Fourth Generation Plan.

**C. Preliminary CIP and Implementation Plan.** Staff continues to develop individual lake and stream resource plans that will help to define both the monitoring program and the implementation plan. They will be identifying where such future work as (1) lake internal load feasibility studies; (2) subwatershed assessments; and (3) targeted monitoring might be helpful in the coming ten years. Members have been asked to identify the projects in their communities with which to start building the CIP for the next ten years.

**IV. Grant Project Updates.\***

**A. Crystal Lake Management Plan.** Carp removals on Crystal Lake in 2021 were extremely successful, with over 3,900 carp removed (an estimated ~33% of the lake's population), moving the lake closer to improved water quality. The first of two alum treatments was applied successfully in September 2021. Activities at the lake for 2022 are underway. Netting equipment to capture common carp was set up in the lake on June 2, 2022. Up to four carp removal events will occur between now and the end of summer. An updated population estimate will be made with data collected during carp removals. The second of the two alum treatments is planned for Fall 2022. Staff will be working with the City of Robbinsdale to coordinate the second alum treatment.

**B. Bass Lake Vegetation Improvements.** The Commission has successfully improved water quality and clarity on Bass Lake in Plymouth, MN through the Bass and Pomerleau Lakes Alum Project. Water quality is the best it has been in decades and both lakes are to be delisted; however, the native aquatic plant community appears to be limited. Curly-leaf pondweed (CLP) is still present in the lake in significant areas, and overall native species diversity is low. The Commission recently was awarded a DNR Conservations Partners Legacy Grant (CPL) to complete vegetation transplanting in the lake that will help restore the native plant community. As of June 2, 2022, the grant has been executed and work can begin. Staff will be working with the DNR and the Bass Lake Association to plan and execute two vegetation transplanting events in Summer 2022. Staff will monitor the success of the plantings in Summer 2022 and 2023 using standard survey techniques.

**V. Other Business.**

**A.** The next TAC meeting is scheduled for 11:00, July 14, 2022, prior to the regular Commission meetings.

**B** There being no further business, the TAC meeting was adjourned at 12:34 p.m.

Respectfully submitted,

A handwritten signature in black ink that reads "Judie A. Anderson".

Judie A. Anderson  
Recording Secretary  
JAA:tim