

MINUTES
August 12, 2021

A virtual 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 11:38 a.m., Thursday, August 12, 2021, in the Community Room, Crystal City Hall, 4141 Douglas Drive, Crystal MN.

Present: Andrew Hogg, Brooklyn Center; Mitch Robinson, Brooklyn Park; Mark Ray, Crystal; Liz Stout, Minneapolis; Megan Hedstrom, New Hope; Amy Riegel and Ben Scharenbroich, Plymouth; Richard McCoy and Marta Roser, Robbinsdale; Ed Matthiesen and Todd Shoemaker, Wenck/Stantec; and Judie Anderson, JASS.

Not represented: Champlin, Maple Grove, and Osseo.

Also present: Burt Orred, Crystal.

- I. Motion by Ray, second by Riegel to **approve the agenda.*** *Motion carried unanimously.*
- II. Motion by Riegel, second by Ray to **approve the minutes***of the June 10, 2021, meeting. *Motion carried unanimously.*
- III. **West Mississippi Partnership Cost Share Policy.***

Earlier this year the Commission amended the Third Generation Plan to add a project to the CIP- the Partnership Cost Share project. Like its counterpart in Shingle Creek, this policy is intended to be funded by an annual levy and used to help fund voluntary Best Management Practices (BMPs) on private property.

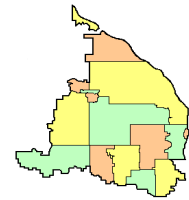
The proposed Partnership Cost Share Policy is identical to Shingle Creek's except that it specifically states that Mississippi River streambank restoration projects that meet certain criteria are eligible. To participate, the streambank must have been evaluated using a specific condition assessment method, be experiencing moderate or worse erosion severity, and the improvement must result in a quantifiable sediment load reduction.

This eligibility relates to the South Metro Mississippi Turbidity TMDL. The TMDL requires a 50% sediment Load Allocation reduction from the contributing watershed. The LA is defined as "field, ravine, bluff, and stream bank erosion" and is analogous to internal loading from a lakebed or from a streambank. Riverbank stabilization that reduces annual sediment loading from ongoing erosion helps to make progress toward that goal.

Motion by Hogg, second by Robinson to approve this policy and recommend its approval to the West Mississippi Commission. *Motion carried unanimously.*

- IV. **Schmidt and Ives Creek Feasibility Study.***

The City of Plymouth has engaged Wenck/Stantec to prepare a Feasibility Study for the restoration



of two channels upstream of Bass Lake: Schmidt Creek (which carries flow from Schmidt Lake via storm sewer outfall) and Ives Creek (local drainage adjacent to Ives Lane). Schmidt Creek is experiencing erosion and mass wasting, some of which is threatening structures. Ives Creek was added to the study because it is immediately adjacent and now would be a cost-effective time to address any stability issues.

Staff are preparing a conceptual design to stabilize the streambanks and are evaluating potential additional BMPs that could be incorporated. They will also update the Engineer's Estimate for this work. More details will be presented at the Shingle Creek Commission's regular meeting, which follows.

Attached to Staff's August 6, 2021, memo are a site overview plan and some photos of Schmidt Creek showing typical conditions and illustrating some of the more severe erosion. Ives Creek appears mostly stable. It is preliminarily estimated that stabilizing the streambanks would prevent about 45 tons of sediment or soil loss annually, which translates into 9-18 pounds of phosphorus annually. For reference, based on current conditions, the required watershed load reduction is about 215 pounds of phosphorus.

Motion by Ray, second by Riegel to move this report forward and to recommend its approval to the Shingle Creek Commission. *Motion carried unanimously.*

V. Ryan Lake Subwatershed Assessment.*

Shoemaker reviewed the previous study results and recommendations and updated the members on work completed since finalizing the study. Stantec recently met with Minnesota DNR staff to better understand potential floodplain impacts and permitting. Following DNR guidance, Wenck/Stantec has since updated the HUC8 floodplain study to reflect the permitted discharge from Crystal Lake to Ryan Lake and is now working with the cities of Crystal and Robbinsdale to document a "no-rise" floodplain condition.

VII. Other Business.

A. It was noted that the representative from Maple Grove, **Derek Asche**, was absent due to a previous commitment in Hawaii.

The members noted that they were jealous!

B. Next meeting – 11:30 a.m., Thursday, September 9, 2021, prior to the regular meeting.

There being no further business, the meeting was adjourned at 12:16 p.m.

Respectfully submitted,

Judie A. Anderson
Recording Secretary
JAA:tim