

MINUTES
July 25, 2019

A meeting of the Technical Advisory Committee (TAC) of the Shingle Creek and West Mississippi Watershed Management Commissions was called to order by Chairman Richard McCoy at 8:31 a.m., Friday, July 25, 2019, at Crystal City Hall, 4141 Douglas Drive North, Crystal, MN.

Present were: Andrew Hogg, Brooklyn Center; Mitchell Robinson, Brooklyn Park;; Mark Ray, Crystal; Derek Asche, Maple Grove; Megan Hedstrom, New Hope; Ben Scharenbroich, Plymouth; Richard McCoy, Robbinsdale; Ed Matthiesen Diane Spector, Erik Megow, and Hagen Kaczmarek, Wenck Associates, Inc.; and Judie Anderson, JASS.

Also present: Amy Riegel, Plymouth; and Marta Roser, Robbinsdale.

Not represented: Champlin, Minneapolis and Osseo.

- I. Motion by Ray, second by Hogg to **approve the agenda**. * *Motion carried unanimously.*
- II. Motion by Ray, second by Hogg to **approve the minutes***of the June 21, 2019 meeting. *Motion carried unanimously.*

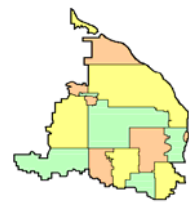
III. Ryan Creek Assessment.*

A. Staff have completed an assessment of Ryan Creek conditions and prepared a PC-SWMMM model for the Twin Lake-Ryan Creek-Ryan Lake drainage system. They also modeled some scenarios. Megow presented preliminary results and some recommendations for further consideration. He noted that during the field survey the team saw no excessive erosion, but that excessive vegetation was prevalent. The scenarios included:

- 1. 1-, 10-, and 100-year elevations for each lake comparing TP-40 and Atlas 14 24-hour events.
- 2. Water Surface Areas of inundation for 1-, 10-, and 100-year Atlas 14 24-hour events.
- 3. Modeled impact on 1- and 100-year elevations from temporary pumping from Crystal Lake to Lower Twin Lake
- 4. Ryan Creek profiles for 1-, 10-, and 100-year events without pumping and with pumping
- 5. Elevations, inundation areas, and profiles assuming pumping and channel cleanout

B. Discussion by the members included identifying strategic areas for clean-out; long-term goal of getting more water through the system during storm events; adjusting the weir, need for resizing conveyances.

C. Members indicated a need for more information regarding the fish barrier, removal of the weir, more detail on when peaks occur, property buy-outs, how a project would conform to the JPA; and what entity(ies) would be responsible for the project.



D. McCoy will take the substance of this discussion back to his City Council. Citizen callers will be advised that [we] are cleaning out Ryan channel, maintaining the France Avenue fish barrier and future actions are being investigated by the TAC/Commission.

IV. Shingle Creek Regent Avenue to Brooklyn Boulevard.*

Staff have been assessing the condition of Shingle Creek between Regent Avenue and Brooklyn Boulevard for a potential stream improvement project, which is on the Commission's CIP for 2020. This is the segment between the restoration project done in conjunction with the Village Creek North development and the more recent Connections project on the east side of Brooklyn Boulevard. This is the last reach of the creek to undergo improvement.

Working with the cities of Brooklyn Center and Brooklyn Park, they have developed 30% conceptual plans for the restoration of this segment. It is anticipated that the nature of the work will be very similar to the other reaches that have been completed. There are some segments of the reach that are experiencing severe erosion that will require more stabilization.

Kaczmarek's presentation described conditions and conceptual plans for the reach. This potential project would fall under the Commissions' revised cost share policy whereby the Commission would fund the cost of Load Allocation reduction projects 100%. Since the proposed project would address the DO and biotic impairments, Staff recommend that a Clean Water Fund grant application be submitted for this project. Estimated cost of the project is \$400,000.

Motion by Hogg, second by Asche to recommend to the Commission that the application be submitted to BWSR by the September 9 deadline and that Staff continue to work with the cities to refine the design and update the cost estimate. *Motion carried unanimously.*

V. Meadow Lake Management Plan.

This project consists of two phases – 1) draw down, and 2) chemical phase. BWSR wants this type of project completed in three years; it is more realistically a 4-5-year project. Staff is trying to come up with an increase in cost-benefit in order to make the project more grant-eligible.

VI. Other Business.

A. Lake No-Wake Declarations. The members continued their discussion regarding the high-water levels in watershed lakes and how no-wake declarations are set. The members will inform each other when high water events occur and when no-wake declarations should occur or be removed.

B. Staff reported that the **SRP project** is working as intended. Spector showed a graph from the first sampling showing concentrations, not volume. The data must still be analyzed.

C. The **next meeting** of the Technical Advisory Committee is scheduled for 8:30 a.m., Thursday, August 22, 2019, Crystal City Hall.

D. The meeting was adjourned at 10:08 a.m.

Respectfully submitted,

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

Judie A. Anderson
Recording Secretary