

REGULAR MEETING MINUTES

April 11, 2024

(Action by the SCWMC appears in blue, by the WMWMC in green and shared information in black.
*indicates items included in the meeting packet.)

I. A joint meeting of the Shingle Creek Watershed Management Commission and the West Mississippi Watershed Management Commission was called to order by Shingle Creek Chair Andy Polzin at 12:45 p.m. on Thursday, April 11, 2024, at Plymouth Community Center, 14800 34th Avenue North, Plymouth, MN.

Present for Shingle Creek: Burt Orred, Jr., Crystal; Karen Jaeger, Maple Grove; Ray Schoch, Minneapolis; Bob Grant, New Hope; John Roach, Osseo; Andy Polzin, Plymouth; and Wayne Sicora, Robbinsdale. Not represented: Brooklyn Center and Brooklyn Park.

Present for West Mississippi: Gerry Butcher, Champlin; Karen Jaeger, Maple Grove; and John Roach, Osseo. Not represented: Brooklyn Center and Brooklyn Park.

Also present were: James Soltis, Brooklyn Center; Mitch Robinson, Brooklyn Park; Randy Bergstrom and Ben Perkey, Crystal; Derek Asche, Maple Grove; Elizabeth Stout and Nico Cantarero, Minneapolis; James Kelly, Osseo; Leah Gifford, Amy Riegel and Ben Scharenbroich, Plymouth; Richard McCoy, Robbinsdale; Todd Shoemaker, Katie Kemmitt, and Ali Stone, Stantec; Troy Gilchrist, Kennedy & Graven; Judie Anderson, JASS; Mike Sorensen, Minneapolis Park and Recreation Board; Tim Evanson Eagle Lake Preservation Association; and Will Matzek and Mat Cox, Kimley-Horn Associates for Project Review 2024-01.

II. AGENDAS AND MINUTES.

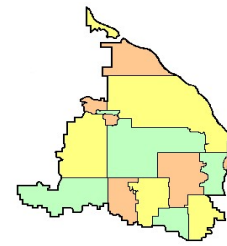
Motion by Schoch, second by Roach to approve the **Shingle Creek agenda**.* *Motion carried unanimously.*

Motion by Butcher, second by Jaeger to approve the **West Mississippi agenda**.* *Motion carried unanimously.*

Motion by Schoch, second by Jaeger to approve the **minutes*** of the March 14, 2024, regular meeting. *Motion carried unanimously.*

Motion by Roach, second by Butcher to approve the **minutes*** of the March 14, 2024, regular meeting. *Motion carried unanimously.*

III. FINANCES AND REPORTS.



A. Motion by Schoch, second by Grant to approve the Shingle Creek **April Treasurer's Report* and claims** totaling \$44,909.30. Voting aye: Orred, Jaeger, Schoch, Grant, Roach, Polzin, and Sicora; voting nay: none; absent: Brooklyn Center and Brooklyn Park.

B. Motion by Jaeger, second by Butcher to approve the **West Mississippi April Treasurer's Report* and claims** totaling \$10,536.48. Voting aye: Butcher, Jaeger, and Roach; voting nay: none; absent: Brooklyn Center and Brooklyn Park.

IV. OPEN FORUM.

Evanson was present to confirm that the barge that will be used for the Eagle and Pike Lake Load Management project will be able to pass through the channel between the lakes. He was assured by Kemmitt that it will or that an alternative access point will be coordinated with the applicator and the City of Maple Grove.

V. OLD BUSINESS.

VI. PROJECT REVIEW.

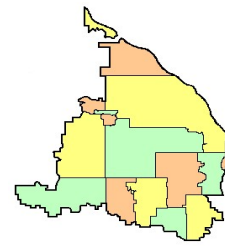
SC2024-01 Prudential Redevelopment, Plymouth.* The proposed project is the redevelopment of the former Prudential Insurance site located at 13001 Bass Lake Road into a mix of residential, business, and retail spaces. The site is 75.5 acres. Following development, the site will be 41 percent impervious with 31.4 acres of impervious surface, an increase of 11.2 acres. A complete project application was received March 1, 2024.

Commission rules require the site to infiltrate 1.1 inches of runoff from new impervious and reconstructed impervious area within 48 hours. If infiltration is not feasible due to poor soils or contamination, filtration is required, and the required depth increases to 2.0 inches of runoff. The new and reconstructed impervious area on this site is 31.4 acres, requiring infiltration of 125,380 CF or filtration of 228,192 CF.

Due to poor soils across the site, the initial proposed site plan included a wet pond and filtration basin, which resulted in approximately seven feet of water level bounce in the central stormwater pond. City of Plymouth staff noted this design would not be aesthetically pleasing and was not preferred. Subsequently, the current site plan includes smaller filtration basins and a larger central pond that reduces the water level bounce. The smaller filtration basins provide 13,600 CF of filtration volume.

The Shingle Creek stormwater standards require an applicant to first abstract runoff; then filter runoff if abstraction (infiltration) is not feasible (i.e., poor or contaminated soils are present); or then demonstrate no increase in TSS and TP if abstraction and filtration volumes are not satisfied. The applicant meets Commission volume control requirements because there is no increase in TSS (total suspended solids) and TP (total phosphorus) loading as described in the next paragraph.

To comply with the Commission's water quality treatment requirement, the site must provide treatment so there is no net increase in TSS and TP from pre- to post-development land cover. The applicant submitted water quality models to compare TSS and TP loading under three conditions: pre-development, post-development with the pond and filtration basin; and post-development with a large central wet pond (current proposed site plan). The current site plan with a large central wet pond does not exceed pre-development TSS and TP loading and achieves a greater TP reduction compared to the initial filtration basin design.



The applicant meets Commission water quality control requirements.

Commission rules require that site runoff is limited to predevelopment rates for the 2-, 10-, and 100-year, 24-hour, and 100-year, 10-day critical storm event. Stormwater leaves the site at three locations, offsite to I-494 in the northwest corner, to Northwest Boulevard in the northeast corner, and to Pineview Lane in the southeast corner. A majority of runoff from the site is directed to a large stormwater pond that discharges to Pineview Lane. The applicant meets the Commission rate control requirements.

The erosion control plan includes rock construction entrances, perimeter silt fence/biolog, flotation silt curtains, silt fence surrounding detention ponds, inlet protection, riprap at pond inlets, seed on all disturbed areas onsite, and the sizing of temporary sediment basins. The erosion control plan meets Commission requirements.

The National Wetlands Inventory identifies five probable wetlands on site. One in the southwest corner, a central wetland (existing pond), two on the east corner, and a fifth on the south-central boundary. The central, south-central, and the eastern lobe of the southwest wetlands were deemed incidental. The City of Plymouth is LGU for Wetland Conservation Act (WCA) administration. Wetland buffers a minimum of 20 feet in width and averaging 30 feet in width are provided. There are no Public Waters on this site. The applicant meets Commission wetland and Public Waters requirements.

There is no FEMA-regulated floodplain on this site. The low floor elevations of the buildings (950.25'-964.55') are at least two feet higher than the high-water elevation of the detention pond and wetlands (941.76'-947.55') according to Atlas 14 precipitation. The site is not located in a Drinking Water Source Management Area (DWSMA). The applicant meets Commission floodplain and drinking water protection requirements.

A public hearing on the project was conducted on February 21, 2024, as part of Planning Commission and City Council review of this project, meeting Commission public notice requirements.

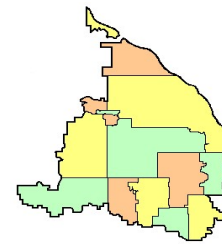
A draft Operations & Maintenance (O&M) agreement between the applicant and the City of Plymouth has been submitted.

Motion by Schoch, second by Jaeger to advise the City of Plymouth that approval of project review 2024-01 is granted conditioned on receipt of an Operations & Maintenance (O&M) agreement between the applicant and the City of Plymouth. The O&M agreement shall cover the "Landscaped Pretreatment Areas" and any sumps with SAFL Baffles that are not in the public right-of-way or not on City property. *Motion carried unanimously.*

VII. WATER QUALITY.

A. Eagle and Pike Lakes Internal Load Project. * At the March Commission meeting, the Shingle Creek WMO ordered the Eagle and Pike Lakes Internal Load Management project, which will include alum treatments and vegetation management on both lakes.

Because the Shingle Creek Joint Powers Agreement does not authorize the Commission to enter into construction contracts, typically one city serves as the lead agency and the affected parties (Commission and one or more cities) enter into a Cooperative Agreement whereby the city (or cities) agrees to perform the work and ensure that the obligations in the grant agreement are met. The Commission then agrees to reimburse the City (or cities) for its costs from the grant proceeds and Commission levy funds.



Included in the meeting packet is a draft Agreement* for this project. It is still being reviewed by the WMO's attorney and will then go to the City's attorney for review. Staff recommends that the Commission authorize execution of the agreement once it has received approval from both attorneys.

Motion by Schoch, second by Grant to approve Staff's recommendation. *Motion carried unanimously.*

B. Twin and Ryan Lake Carp Study. Work Order 24-04*authorizes Staff to update the carp population study in the Twin Lake chain of lakes to assess current conditions and plan for future carp management actions.

In 2016-2017 the Commission estimated the carp population and movement using the mark and recapture/electrofishing technique to estimate the carp population numbers and biomass. In 2018 and 2019, approximately 14,450 pounds of carp were removed from the lake system, or about 44% of the amount necessary to bring the population down to a more manageable level. The tracking also verified that the fish were moving freely between Upper, Middle, and Lower Twin Lakes as well as moving into Ryan Lake via Ryan Creek. That project included installing a barrier on Ryan Creek at France Avenue to prevent carp movement between the Twin Lake chain and Ryan Lake/Creek and Shingle Creek downstream. No additional carp management has been performed on this lake system since 2019.

The Commission is interested in 1) updating the population estimate to determine current conditions and the magnitude of the need for additional carp harvesting; 2) updating its understanding of how the fish are moving into and out of the system; and 3) evaluating whether the carp barrier continues to be necessary, or if it can be moved or modified.

The Work Order outlines three tasks:

- Task 1. Conduct three common carp surveys (\$23,066)
- Task 2. Analyze and report the survey data (\$13,224), and
- Task 3. Project management, meetings and coordination (\$1,710)

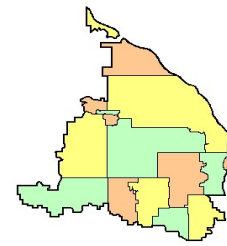
Earlier today, the Technical Advisory Committee recommended that the Shingle Creek Commission approve the scope of work detailed in Work Order 24-04 at a total cost of \$38,000.

Motion by Schoch, second by Orred to approve this recommendation. *Motion carried unanimously.*

C. 2023 Annual Water Quality Report.* Stone presented the findings from the joint 2023 Shingle Creek and West Mississippi Watershed Management Commissions' water monitoring program. The full report and technical appendices are available at shinglecreek.org/water-quality.html.

1. Why the Commissions monitor:

- a. To quantify the current status of streams and lakes throughout the watersheds and compare to water quality standards.
- b. To quantify changes over time, or trends, in stream and lake water quality.
- c. To identify problem areas for potential BMPs.



d. To quantify the effectiveness of implemented BMPs throughout the watersheds.

The typical water quality parameters the Commissions sample for are total phosphorus, ortho-phosphorus, total suspended solids, chloride, and chlorophyll-a. These parameters inform about pollutants in the water, water clarity, and the ecological health of the lake/stream.

2. The Commissions choose sites for monitoring according to the monitoring program set forth in their Fourth Generation Watershed Plan. In 2023, they monitored the following sites:

a. Shingle Creek - Bass Creek (BCP), Shingle Creek (SC-0, SC-3, USGS site at Queen Avenue), Upper and Middle Twin Lakes, Meadow Lake, and Eagle and Pike Lakes.

b. West Mississippi – at the 65th Avenue Outfall and the Environmental Preserve outlet.

3. Meadow Lake and Eagle and Pike Lakes were all monitored under special projects and are included in the Water Quality Report for completeness.

Motion by Schoch, second by Jaeger to accept the report on behalf of Shingle Creek. *Motion carried unanimously.*

Motion by Jaeger, second by Butcher to accept the report on behalf of West Mississippi. *Motion carried unanimously.*

D. Motion by Schoch, second by Jaeger to approve the October 1, 2023-September 30, 2025, **Stream Monitoring Agreement with the USGS.*** The agreement calls for cost-sharing between the parties of \$6,906 (USGS) and \$7,600 (Commission). *Motion carried unanimously.*

VIII. GRANT OPPORTUNITIES.

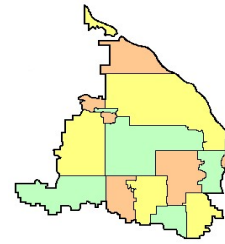
The Minnesota Pollution Control Agency (MPCA) is soliciting applications for their **Implementation Grants for Stormwater Resilience** program. Over \$35 million is available to fund implementation of stormwater projects such as retention ponds, rain gardens, and infiltration basins. Applications are due April 11, 2024, at 4:00 p.m.

Included in the meeting packet is a nearly complete grant application* for the proposed Colorado Avenue Infiltration Trench. This BMP was identified in the Gaulke Pond Subwatershed Assessment (SWA) and is intended to provide additional infiltration and runoff volume management upstream of Gaulke Pond.

The proposed Infiltration Trench on Colorado between 42nd and 41st Avenues is one of eleven potential BMPs identified in the SWA. It has the lowest cost per acre-foot of runoff infiltrated. The total estimated project cost is \$390,000. The grant request is for \$350,000, with a local match of \$40,000.

There are a few blanks left on the application where Staff are awaiting more information. They are also still assembling the attachments. Some of which are included in the meeting packet.

Motion by Sicora, second by Grant to authorize Staff to submit the grant application as described. *Motion carried unanimously.*



IX. EDUCATION AND PUBLIC OUTREACH.

A. Grace Barcelow, the shared Education and Outreach Coordinator with Hennepin County, provided an update* on work completed since the March WMWA meeting as well as what activities are on tap for April and May. It is her intent to continue to provide these monthly updates and welcomes questions and input. Grace.barcelow@hennepin.us.

B. Watershed PREP. Jessica Sahu Teli, the WMWA educator, has accepted a full-time position at East Metro Water Resource Education Program (EMWREP). WMWA is in the process of advertising for her replacement.

C. West Metro Water Alliance (WMWA) will meet via Zoom at 8:30 a.m., May 14, 2024.

X. JOINT POWERS AGREEMENT.

Included in the meeting packet are redlined* and draft updated versions* of the Shingle Creek Commission's Joint Powers Agreement (JPA). The agreement as well as West Mississippi's JPA, which is very similar in content, expires on December 31, 2024. At the TAC meeting held earlier today it was agreed that the discussion should continue at the May TAC meeting and that the Commission's attorney should be present at that meeting. The members primarily requested more information about the proposed changes and also discussed the schedule by which the process of drafting the revised JPA and sending it to the member cities for review and approval must occur.

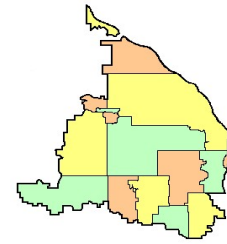
XI. COMMUNICATIONS.

A. Republic Services. On March 13, 2024, Crystal resident William Kuster sent an email* to the Shingle Creek Watershed Management Commission about a pervasive litter problem potentially originating at the Republic Services Minneapolis Recycling Center, located in the Minneapolis Camden neighborhood. In the email, he described the litter blown from the Republic Services Recycling Center that accumulates in the Shingle Creek watershed and flows downstream into the Mississippi River. Kuster also contacted the office of Minneapolis 4th Ward City Council member, LaTrisha Vetaw.

A City of Minneapolis Inspector visited the site to perform a litter inspection. Beverly Mathiasen, Sales Manager at Republic Services, asserted in an email that at the time of inspection, there were no violations or citations cited at the Recycling Facility. She asserted that the Inspector was pleased with Republic Services' operations and management practices. Ms. Mathiasen wrote that Republic Services is compliant with Chapter 350 of the City of Minneapolis Code of Ordinances and remains good stewards of the environment. She listed a number of "good faith efforts" in maintaining compliance that Republic Services follows.

At the Commission's March meeting, Stantec was asked to draft a letter to Republic Services addressing the issue of litter from the Recycling Center polluting Shingle Creek. Commissioner Schoch also sent an email* to Chairman Polzin describing actions he has taken in bringing this situation to the attention of Councilor Vetaw.

With the recent passing inspection in mind, Shoemaker drafted a letter* to Republic with a "softer" tone while stressing that they prioritize trash management and take immediate action when routine housekeeping and required activities are not sufficient due to changing conditions (i.e., weather,



processing capability).

It was a consensus of the members of the TAC to advise the Shingle Creek Commission not to send the letter at this time. Motion by Schoch, second by Jaeger to adopt the TAC's recommendations. *Motion carried unanimously.* Staff will email a copy of the draft minutes from this meeting to Kuster, copying Shoemaker.

B. Included in the meeting packet was an email from Shahram Missaghi, City of Minneapolis, requesting public comments on the **Minneapolis Stormwater Management Program**. Comments are due prior to the public hearing, which is scheduled for May 2, 2024, and may be sent to councilcomment@minneapolismn.gov.

C. April Communications Log.* Shoemaker brought attention to the March 21 item regarding potential redevelopment within the Shingle Creek Crossing development (formerly Brookdale Mall area) and the March 27 item regarding the Minneapolis Parks and Rec's revisioning for Shingle Creek Regional Park.

D. April Staff Report.*

1. The next **WBIF Convene meeting** will be held in late April. Staff met with Laura Jester, Bassett Creek WMO, on March 28 to discuss shared WBIF items, such as the continuation of the Hennepin County Shared Education & Outreach Coordinator. Laura expects Bassett to be in favor of funding a portion of the position for the next two years. They also discussed the continuation of Hennepin County Chloride Initiative work. WBIF funding for the initiative would have to have a measurable water quality impact. Staff are brainstorming project ideas.

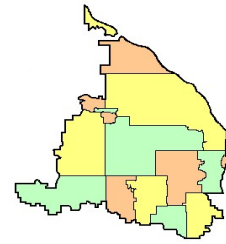
2. The **2024 Maintenance Fund** activities approved at the March 2024 meeting are Bass Lake curly-leaf pondweed delineation and treatment, and six maintenance events at the Ryan Creek carp barrier. Staff are planning to delineate curly-leaf pondweed in Bass Lake the week of April 1. After delineation maps have been made, Staff will issue a request for quotes for herbicide treatment and anticipate the selected contractor treating in late April or early May. Staff anticipate maintaining the Ryan Creek carp barrier several times in Spring to alleviate some of the debris clogging the weir.

3. Brookdale Park. Stantec is currently developing preliminary (30%) design plans for stabilization and remainder of Shingle Creek within this project area. Staff anticipates presenting the draft plans at the May Commission meeting.

4. Eagle and Pike Lake Management Plans. Staff met with the Eagle Lake Preservation Association at their Annual Meeting on April 2 to introduce the upcoming alum and aquatic vegetation improvements on Eagle and Pike Lakes. The attendees were very excited for the upcoming projects and are interested in being involved in whatever way they can.

5. Project Updates. The status of the various grant and cost share projects is shown on the last page of the report.

E. 2023 Joint Annual Activity Report.* Motion by Schoch, second by Jaeger to accept the



2023 report pending review and comment received by Friday, April 19, 2024. *Motion carried unanimously.*

Motion by Butcher, second by Roach to accept the 2023 report pending review and comment received by Friday, April 19, 2024. *Motion carried unanimously.*

XI. OTHER BUSINESS.

There being no further business before the Commissions, the joint meeting was adjourned at 2:18 p.m.

Respectfully submitted,

A handwritten signature in black ink that reads "Judie A. Anderson". The signature is written in a cursive style.

Judie A. Anderson
Recording Secretary

JAA:tim

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