



# **WEST MISSISSIPPI WATERSHED MANAGEMENT COMMISSION**

**2022 ANNUAL ACTIVITY REPORT**



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This report was prepared for the  
West Mississippi Watershed Management Commission  
by JASS

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We gratefully acknowledge the assistance of  
Diane Spector, Katie Kemmitt, Ali Stone, Todd Shoemaker, Lucas Clapp  
Stantec Consulting Services

*Cover photograph:*  
Mississippi Crossings, Champlin

*Completed in fall 2022, Mississippi Crossings is a regional attraction for residents to interact with the river. The development is a city owned facility that includes an event center, outdoor performance area, splash pad, playground, and dog run. In 2024 a privately owned restaurant will be added.*

*Courtesy of Heather Nelson*





## ANNUAL ACTIVITY REPORT

This annual report has been prepared by the West Mississippi Watershed Management Commission in accordance with the annual reporting requirements of Minnesota Rules Chapter 8410.0150, Subps. 2 and 3. It summarizes the activities undertaken during calendar year 2022.

### THE COMMISSION

The West Mississippi Watershed Management Commission is governed by a five-member board comprised of representatives from each member city who are appointed for terms of three years. The five member cities are Brooklyn Center, Brooklyn Park, Champlin, Maple Grove, and Osseo. Commissioners who served in 2022 are shown in *Appendix 1*. Also shown there are the members of the Technical Advisory Committee (TAC) from each city.

### CONSULTANTS

The Commission has no employees. The names of the consultants currently retained by the Commission are also listed in *Appendix 1*.

### MEETINGS

The Commission meets monthly at 12:45 p.m. on the second Thursday of the month. The meetings are open to the public. Meeting notices, agendas and approved minutes are posted on the Commission's website, [www.shinglecreek.org](http://www.shinglecreek.org).

Due to the COVID-19 pandemic, in 2022 the January, February and March Commission meetings were held virtually on [www.zoom.us](http://www.zoom.us). The April, May, June, and July meetings were held in the Community Room, Crystal City Hall, 4141 Douglas Drive, Crystal, Minnesota. The August and subsequent meetings took place in the Plymouth Community Center, 14800 34th Avenue North, Plymouth, Minnesota.

### WATERSHED MANAGEMENT PLAN

In 2013 the Shingle Creek and West Mississippi Watershed Management Commissions adopted their joint 2013-2022 Third Generation Watershed Management Plan. The Plan, approved by the Board of Water and Soil Resources (BWSR) on March 27, 2013, is the culmination of a nearly two-year planning effort by the two Commissions, the cities that are members of these joint powers organizations, state agencies, and the public. The Plan sets forth goals and strategies

that will guide water resources management activities in the two watersheds over the coming decade. Over the years the Commission, either individually or together with the Shingle Creek Watershed Management Commission, has adopted a number of amendments to the Plan. They are described in *Appendix 2*.

## LOCAL PLANS

Revisions to Minnesota Rules 8410 adopted in 2015 included significant changes in the timing of local water plan revisions. Per 8410.0105 subp. 9 and 8410.0160 subp. 6:

- Local water plans must be prepared by metropolitan cities and towns (municipalities) and a local water plan must become part of the local comprehensive plan for a municipality.
- Under the amended rule, local water plans must be revised essentially once every ten years in alignment with the local comprehensive plan schedule.
- A municipality has two years before its local comprehensive plan is due to adopt its local water plan.
- Prior to adoption, a municipality must prepare its local water plan, distribute it for comment, and have it approved by the organization with jurisdiction in the municipality.
- Local water plans may be updated more frequently by a municipality at its discretion.

At a minimum, Local Plans are required to:

- Update the existing and proposed physical environment and land use. Information from previous plans that has not changed may be referenced and summarized but does not have to be repeated. Local Plans may adopt relevant sections of the Commission's Watershed Management Plan (WMP) Section 2.0 Inventory and Condition Assessment by reference unless the member city has more recent information.
- Update the existing and proposed hydrology and provide subwatershed, storm drainage system, and installed BMP figures and Shapefiles.
- Explain how the goals and policies and rules and standards established in the WMP will be implemented at the local level.
- Show how the member city will achieve the load reductions and other actions identified in and agreed to in TMDL Implementation Plans, including identifying known upcoming projects, including street reconstruction projects, that will provide opportunities to include load and volume reduction BMPs.
- Explain how the City will implement the project review requirements of the revised Rules and Standards.

- Update existing or potential water resource related problems and identify nonstructural, programmatic, and structural solutions, including those program elements detailed in MN Rules 8410.0100, Subp. 1-6.
- Summarize the estimated cost of implementation.
- Set forth an implementation program including a description of adoption or amendment of official controls and local policies necessary to implement the Rules and Standards, programs, policies, and a capital improvement plan.

## 2022 WORK PLAN IN REVIEW

The joint Third Generation Watershed Management Plan states that the Shingle Creek and West Mississippi Commissions will annually review progress toward their Third Generation goals and that this evaluation will become part of the Annual Activity Report.

The purpose of the annual review is twofold -- to determine progress towards the goals and to be sure the Commissions stay on track to reach them. The annual review is also an opportunity to discuss whether the goals and actions in the Plan still make sense or if they should be considered for modification or enhancement, perhaps to add new priorities. Ideally, this annual review is also an opportunity to start thinking about the following year's work plan.

At their January 14, 2022, meeting the West Mississippi Watershed Management Commission identified the following activities for inclusion in their 2022 Work Plan. Most are ongoing, although some activities rotate around the watershed. Some highlights of the past year include:

- **Continue to stay abreast of regional and state TMDLs.**
  - Continued to identify, pursue grant funding for, and implement projects and programs addressing the bacterial impairment in the Mississippi River.
  - Identify boundaries of the untreated areas directly connected to the Mississippi River or other conveyances. *No action was taken on this in 2022.*
- **Partner with other organizations to increase reach and cost effectiveness.**
  - Participated in the West Metro Water Alliance (WMWA) joint education and outreach group. Continue its successful Watershed PREP classes. Due to the pandemic, Watershed PREP (Protection, Restoration, Education, and Prevention) classes were cancelled or conducted virtually. Classes resumed in the fall of 2022 with 1551 students in 51 classes. A video of the Watershed PREP class is available for home school or classroom viewing at <http://www.westmetrowateralliance.org/>.

In 2022 WMWA and its member WMOs (Bassett Creek, Elm Creek, Shingle Creek, and West



Mississippi) partnered with Hennepin County and the Richfield-Bloomington WMO to develop a shared education and outreach coordinator position funded by Watershed-Based Implementation Funding (WBIF) and the WMWA special projects budget. This two-year limited duration position will focus on engaging with various stakeholder groups in the five watersheds on clean water and chloride management issues. WMWA also drafted a long-term vision for the organization to help transition from a part-time to a full-time coordinator.

- Partner with the USGS, DNR, and other interested parties to stay abreast of groundwater issues. *No action was taken on this in 2022.*
- Partner with a member city to complete a subwatershed BMP analysis. *No action was taken on this in 2022.*
- Partnered with the Mississippi Watershed Management Organization (MWMO) to perform the monitoring at the 65th Avenue outfall. *The Commission contracted with MWMO to complete this monitoring in 2022.*

➤ **Continue ongoing administration and programming.**

- Sponsor volunteer stream monitoring through RiverWatch and wetland monitoring through WHEP (Hennepin County). *No RiverWatch monitoring was completed in 2022 and the County has discontinued the WHEP program.*
- Completed reviews of development and redevelopment projects as necessary. *Seven projects were reviewed by the Commission in 2022. They are described in more detail in Appendix 3. No variances were requested for these projects. The Commission does not have a permit program.*
- Prepared an annual water quality report. *The 2022 Annual Water Quality Report will be presented and accepted at the Commission's April 13, 2023, meeting and will be submitted as a companion to the Commission's 2022 Annual Activity Report, submitted to the Board of Water and Soil Resources, April 30, 2023.*
- Solicit cost-share projects from member cities funded from the Cost Share Fund and the annual \$50,000 levy. *No projects were promoted in 2022. Last year, the Commission approved \$35,422 of Watershed-Based Funding for the City of Brooklyn Park's River Park Stormwater Improvements Project. The WBIF funds were allocated to the cost share program.*

*In 2022 the City of Brooklyn Park and Hennepin County submitted a Clean Water Fund grant application for the construction phase of the Mississippi Riverbank Stabilization Project. The application was not selected for funding.*

*In December 2022, the Commission was awarded \$55,000 in 2023 WBIF Clean Water Funds for the Mississippi Riverbank Stabilization Project. Funds are available through December 31, 2025. This is the latest round of WBIF. It is for project design so that design is completed when construction funding is found.*

- Participated in the Hennepin County Chloride Initiative (HCCI). *In 2018, the eleven WMOs in Hennepin County elected to pool 10% of their WBIF grants to fund the Hennepin County Chloride Initiative (HCCI), recognizing that properly managing chloride use was a common water quality issue. The group continued to explore various management topics and approaches, culminating in the development of a professional marketing campaign called “Low Salt No Salt Minnesota,” which will be rolled out in 2023 by each of the WMOs and many cities.*
- Undertook Plan Amendments, held public hearings, ordered projects and certify levies. *On May 12, 2022, the Commissioners approved a minor Plan Amendment which would revise Appendix C of the Plan, the Rules and Standards, to 1) make the rules consistent with the most recent Minnesota General Stormwater Permit; and 2) make other various housekeeping revisions to the Rules.*  
*On September 8, 2022, a public hearing was called wherein five capital projects were approved – three in the Shingle Creek watershed and two in the West Mississippi watershed. The two in the West Mississippi watershed included the City Cost Share BMPs (\$50,000, levy \$53,025) and the West Mississippi Partnership Cost Share Project (\$200,000, levy \$106,050).*
- Prepared a 2023 annual budget and begin scoping the Fourth Generation Plan, which will be completed in 2023. *The Commission approved its 2023 operating budget at its May 12, 2022, meeting and is in the amount of \$176,300. The 2023 budget provides for an assessment of \$156,200, no increase over the 2022 assessment. (Appendix 4)*
- Hosted a Convene Meeting for the 2022 Watershed-Based Funding awarded to the West Mississippi Partnership. *Met four times with the Shingle Creek and West Mississippi Watershed Based Implementation Funding (WBIF) Convene Groups to identify and select funding priorities for their \$95,501 and \$75,000 2022 WBIF awards. As part of that work, the four WMOs in WMWA plus the Richfield-Bloomington WMO agreed to pool some of their WBIF resources to fund a shared Education and Outreach Coordinator with Hennepin County. The West Mississippi Convene Group allocated \$20,000 to the Coordinator and \$55,000 to the Mississippi Riverbank Stabilization project.*
- Completed the Fourth Generation Management Plan and submitted it for public and BWSR review. *The Shingle Creek and West Mississippi Watershed Management Commissions spent considerable time developing their joint Fourth Generation Plan, completing a draft that was made available for informal review, and begin the formal review period which spanned November 2022 to January 2023. Aside from preparing the actual plan document and the 10-Year Implementation Plan, the Commissions:*

*Participated in a joint Equity in Watershed Management workshop with the Bassett Creek WMO to talk about strategies for enhanced inclusion and equity in our work as*



*stewards of natural and water resources in the watersheds. The workshop included presentations by County, Metro Blooms, and Mississippi WMO staff, personal reflections on Environmental Justice work by the Executive Director of a nonprofit that serves diverse and underrepresented communities, as well as small group discussions and reflections.*

*Undertook a major update to both the legal and hydrologic boundaries between the watersheds and neighboring Elm Creek, Bassett Creek, and Mississippi WMOs.*

*Refreshed the website and added an interactive Story Map providing users map-based links to water quality, natural resource, and project data.*

- **Invited three guest speakers to make lunchtime water resources presentations.**

*January 13, 2022 - Dr. Kenneth Blumenfeld, Senior Climatologist with the Minnesota State Climate Office and an Adjunct Assistant Professor at the University of Minnesota, discussed how the Commissions can plan for changing precipitation.*

*February 10, 2022 - A team from Metro Blooms presented a visual tour of the Brooks Gardens Apartments and Townhomes Community in Brooklyn Park, in the Shingle Creek watershed. As a result of their work with the residents, together they have created 4,282 square feet of new habitat and annually capture 1.17 million gallons of runoff, 2,000 lbs. of solids and 4.5 lbs. of total phosphorus. Planting continued in 2022. The Commission provided \$30,000 in cost-share funding for the \$86,107 project.*

*July 14, 2022 - James Fallon, Data Chief, Minnesota portion of Upper Midwest Water Science Center of the U.S. Geological Survey, gave an update on USGS activities in Shingle Creek and nearby watersheds. The new USGS National Water Dashboard interactive map allows viewers to access real-time water data from over 13,500 stations nationwide.*

- **Tour project sites in the watershed.** *Due to COVID-19 and the need for social distancing, no tours were conducted in 2022.*

## **WATER MONITORING**

The West Mississippi watershed is comprised of 25 square miles of 25% high impervious urban development and 38% low-moderate impervious urban development, with 18.3 miles of stream. There are still approximately 1,000 acres of agricultural land still in production within the city of Brooklyn Park in the western portion of the watershed. Most of the developed land in the watershed is single-family residential. Due to soil conditions within the watershed, there are no lakes and very few wetlands.

One of the defining characteristics of the West Mississippi watershed is its sandy, well-draining soils. Much of the watershed is located within the Anoka Sand Plain and, therefore, approximately 88% of the management unit contains type A, A/D, or B soils.



Surface water quality in the watershed is typical of urban streams in the Twin Cities metropolitan area. Agriculture followed by urban development have changed drainage patterns, increased pollutants to the waters, and reduced habitat for aquatic and terrestrial life. Diagnostic and feasibility studies completed between 2007 and 2011 have identified actions that can be taken in the watershed to help improve water quality.

Minnesota Administrative Rule 8410.0100 Subp.5 requires watershed management organizations to conduct monitoring programs *capable of producing accurate data to the extent necessary to determine whether the water quality and quantity goals of the organization are being achieved.*

Together, the Commissions have established monitoring objectives to guide their monitoring programs:

- To quantify the current status of streams/outfalls and lakes throughout the watersheds in comparison to state water quality standards established for nutrients, turbidity, chloride, bacteria, and other parameters currently regulated by the State.
- To quantify changes over time, or trends, in stream and lake water quality in the Shingle Creek and West Mississippi watersheds.
- To quantify the effectiveness of implemented BMPs throughout the watersheds for the protection of water quality.



*Mattson Brook, Brooklyn Park*

There are four major outfalls in the West Mississippi watershed:

- Located in Champlin, the **Oxbow storm sewer outfall** consists of a series of storm sewer pipes that drain approximately 1,167 acres of land in Champlin and Maple Grove.
- **Mattson Brook**, shown on the previous page, is a small surface channel/stream that drains most of central Brooklyn Park (approximately 3,500 acres) and includes a tributary, Edinbrook/Century Channel.
- The **Environmental Preserve** is another small stream located in Brooklyn Park. This stream drains approximately 2,160 acres upstream of Brooklyn Park's Environmental Preserve and outlets to a small wetland in the Coon Rapids Dam Regional Park.
- **The 65th Avenue outfall** is the outlet of the storm sewer trunk line that runs beneath 65th Avenue North in Brooklyn Center.

Data has been collected from West Mississippi river outfalls since 2010, monitoring water quality and flow at two of the four outfall monitoring sites every year. Stream monitoring efforts consist of continuous flow measurements and water quality samples. Four main water quality parameters are sampled at each of the outfall monitoring stations – TSS, TP, bacteria (E. coli), and chloride. *Flow at the 65th Avenue Outfall was monitored in 2022.*

In past years, high school volunteers coordinated by Hennepin County Environment and Energy (HCEE) have performed macroinvertebrate monitoring at a site on Mattson Brook through the River Watch program. *The program was not conducted in 2022.*

In the past, HCEE has also coordinated wetland monitoring by adult volunteers through WHEP (Wetland Health Evaluation Program). *The County has discontinued its sponsorship of WHEP and the program was not conducted in 2022.*

The Shingle Creek and West Mississippi Watershed Management Commissions (WMCs) annually monitor water quality in the lakes, streams, and outfalls of the watersheds. A joint *Water Quality Report* summarizing current and historic conditions in the watersheds has been published annually since 1998. *The 2022 report is found on the Shingle Creek/West Mississippi website at [www.shinglecreek.org](http://www.shinglecreek.org) and will be made an addendum to this report.*

## CONSULTANT SERVICES SELECTION

Every two years, a solicitation of interest proposals for technical, legal and administrative services is published in the *State Register*. Solicitations were published in the November 8, 2022, edition of the *State Register*. Commissioners will consider the responses at their January 11, 2023, meeting.

## FINANCIALS

The Commission's Joint Powers Agreement provides that each member city contributes toward



the annual operating budget based 50% on the area located within the watershed boundary and 50% on the tax capacity of all property within the watershed. The 2022 cost allocations to the members are shown as part of the Operating Budget found in *Appendix 4*.

Of the \$181,700 operating budget approved by the Commission for 2022, income of \$18,000 was projected as proceeds from application fees and reimbursements and \$2,500 as interest income, resulting in assessments to the members totaling \$156,200. \$5,000 was taken from Reserves.

The West Mississippi Watershed Management Commission maintains a checking account at US Bank for current expenses and rolls uncommitted monies to its account in the 4M Fund, the Minnesota Municipal Money Market Fund. Amounts paid by the Commission per the 2021 Audit are categorized as General Engineering, General Administration, Education, Programs, Projects, or Capital Projects, and are shown below.

General engineering	\$ 48,115
General administration	\$ 54,068
Education	\$ 19,030
Programs	\$ 19,576
Projects and Management Plans	<u>\$ 35,643</u>
Total	\$176,432

General engineering work includes review of local plans, review of development/ redevelopment projects, tracking grant opportunities, attendance at meetings and other technical services. General administration includes support to technical staff, attendance at meetings, insurance premiums, annual audit, legal counsel, and other non-engineering services.

Per MN Rules, Chapter 8410, the Commission's annual audit is due 180 days after the end of the fiscal year; or June 30. Prepared by Johnson & Company, Ltd., Certified Public Accountants, the 2021 Audit Report, is available on the Commission's website, [www.shinglecreek.org](http://www.shinglecreek.org)

The Commission follows Rule 54 of the Government Accounting Standard Board (GASB) to report Fund Balances. The fund balance classifications include:

- > *Nonspendable* – amounts that are not in a spendable form. The Commission does not have any items that fit this category.
- > *Restricted* – amounts constrained to specific purposes by their providers. One example would be ad valorem levy funds received from the County for capital improvement projects. The unused portion of these funds must be set aside in a restricted account for similar projects. Another example would be BWSR Legacy Grant proceeds where the funds are received prior to the onset of a project and where any unused portion must be returned to the grantor.
- > *Committed* – amounts constrained to specific purposes by the Commission itself. An example would be residual funds carried over from one year to the next for Studies, Project Identification and Subwatershed Assessments.

- > *Assigned* – amounts the Commission intends to use for specific purposes. Most line items in the Commission’s Operating Budget fall under this category.
- > *Unassigned* – amounts that are available for any purpose. These amounts are reported only in the general fund.

### PROJECTED 2023 WORK PLAN

At their January 12, 2023, meeting the West Mississippi Watershed Management Commission identified the following activities for inclusion in their 2023 Work Plan. Most are ongoing activities, although some rotate around the watershed.

#### **GOAL 1. Protect, maintain, and improve the water quality and ecological integrity of the water and natural resources within the watersheds and the downstream receiving waters.**

- Continue to identify, pursue grant funding for, and implement projects and programs addressing the bacterial impairment in the Mississippi River.
- Stay abreast of other regional and state TMDLs.
- Identify boundaries of the untreated areas directly connected to the Mississippi River or other conveyances.
- Partner with the MWMO to undertake monitoring at the 65th Avenue outfall.
- Execute cooperative agreement with Brooklyn Park for the Mississippi River stabilization project.
- Partner with a member city to complete a subwatershed BMP analysis.

#### **GOAL 2. Reduce stormwater runoff rates and volumes to limit flood risk, protect conveyance systems, protect surficial groundwater, and reduce or mitigate impacts that have already occurred.**

- Complete reviews of development and redevelopment projects as necessary.

#### **GOAL 3. Educate and engage all stakeholders in the watersheds on surface water issues and opportunities.**

- Participate in the West Metro Water Alliance joint education and outreach group.
- Partner with Hennepin County and other local watersheds to fund a shared Education and Outreach Coordinator.
- Develop a Chloride Management Plan for the watershed.

#### **Continue ongoing administration and programming.**

- Undertake routine flow and water quality at two outfalls into the Mississippi River.

- If available, sponsor volunteer stream monitoring through RiverWatch.
  - Prepare an annual water quality report.
  - Solicit cost-share projects from member cities funded from the Cost Share Fund and the annual \$50,000 levy.
  - Review feasibility studies for 2023 proposed capital projects, undertake Plan Amendments, hold public hearings, order projects, and certify levies.
  - Prepare a 2024 annual budget.
  - Complete the Fourth Generation Management Plan and submit for public and BWSR review.
  - Invite three guest speakers to make lunchtime water resources presentations.
  - Tour project sites in the watershed.
- 

Have a question about this report? Need more information? Want to know how to get involved?  
Contact us: drop us an email, give us a call, we're happy to help:

<http://www.shinglecreek.org/contact-us.html>





## APPENDICES



## 2022 West Mississippi Commissioners and Technical Advisory Committee

Representing	Name	Address	Telephone	Email	Term Expires
Brooklyn Center	David Vlasin Vice Chair		651.792.7972	david.vlasin@rwmwd.org	2024
Brooklyn Park	Alex Prasch	6548 Georgia Avenue N Brooklyn Park, MN 55428	763.226.4711	alex.prasch@gmail.com	2024
Champlin	Gerry Butcher Chair	11467 Preserve Lane N Champlin, MN 55316	763.557.1451	JG_Butcher@yahoo.com	2025
Maple Grove	Karen Jaeger Sec./Treasurer	8459 Rice Lake Road Maple Grove, MN 55369	763.420.3838	jaeger324@comcast.net	2025
Osseo	Harold E. Johnson	12-Sixth Street NE Osseo, MN 55369	763.424.3707	Hjohnson@ci.osseo.mn.us	2023
Brooklyn Center	Andrew Hogg	City of Brooklyn Center 6301 Shingle Creek Pkwy Brooklyn Center, MN 55430	763.569.3327	ahogg@ci.brooklyn-center.mn.us	
Brooklyn Park	Mitchell Robinson	City of Brooklyn Park 5200 85th Avenue North Brooklyn Park, MN 55443	763.493.8291	Mitchell.Robinson@brooklynpark.org	
Champlin	Heather Nelson	City of Champlin 11955 Champlin Drive Champlin, MN 55316	763.923.7120	hnelson@ci.champlin.mn.us	
Maple Grove	Derek Asche	City of Maple Grove 12800 Arbor Lakes Pkwy Maple Grove, MN 55313	763.494.6354	dasche@maplegrovmn.gov	
Osseo	Nick Waldbillig	City of Osseo 415 Central Avenue Osseo MN 55369	763.425.5741	nwaldbillig@ci.osseo.mn.us	

**2022 West Mississippi Commission Staff**

Name	Address	Telephone	Email
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<b>Administrative</b>			
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Beverly Love	Plymouth, MN 55447		beverly@jass.biz

### AMENDMENTS TO THE JOINT WATERSHED MANAGEMENT PLAN

In 2013 the Shingle Creek and West Mississippi Watershed Management Commissions adopted their joint *2013-2022 Third Generation Watershed Management Plan*. The Plan sets forth goals and strategies that will guide water resources management activities in the two watersheds over the coming decade. Over the years the Commission, either individually or together with the Shingle Creek Commission, has adopted a number of amendments to the Plan. They are described below:

In 2013 the Commissions adopted a minor amendment to the Plan which revised the Commissions' Rules and Standards to adopt the new National Oceanic and Atmospheric Administration (NOAA) Atlas 14 precipitation frequency standards, replacing the outdated Weather Bureau Technical Paper 40 (TP-40) standards.

In 2014 the Commissions adopted a second minor amendment to the Plan. It revises the estimated cost and provides more description and detail about one proposed Shingle Creek project in the Commissions' Capital Improvement Program (CIP).

In December 2014 the Commissions adopted a major amendment to the Plan which added five projects to the Commissions' CIP - three pond retrofits in the Shingle Creek watershed and Priority BMP Retrofits in both watersheds.

On May 14, 2015, the Commissions adopted a minor Plan amendment to 1) increase the annual levy for city cost-share projects from \$50,000 to \$100,000, 2) increase the (Shingle Creek) Commission cost share for lake internal load projects from 25% to 100%; and 3) specify that the potential 2015 lake internal load project (in the Shingle Creek watershed) would be the proposed Twin Lake Carp Tracking and Removal project.

On November 12, 2015, the Commissions amended their joint *Third Generation Watershed Management Plan* to adopt a revision to the plan amendment process to conform to 2015 revisions to MN Rules 8410. In part, the revisions will allow the Commission to modify the CIP with only minimal need for plan amendments.

On June 9, 2016, the Commissions adopted a minor amendment to the Plan which amended the Shingle Creek 2016 CIP to include: 1) an annual levy for city cost-share projects of \$200,000 with Commission cost-share of \$100,000; 2) Iron and Biochar-Enhanced Sand Filter Retrofits of \$210,000 with Commission cost-share at 100%; and 3) Partnership cost share (private projects) of \$100,00, with Commission cost-share of \$50,000; and further amended the West Mississippi 2016 CIP to include: 1) an annual levy for city cost-share projects of \$50,000 with Commission cost-share at 100%; and 2) Iron and Biochar-Enhanced Sand Filter Retrofits of \$80,000 with Commission cost-share at 100%.

On May 11, 2017, the Commissions adopted a seventh minor amendment to their joint Plan. In Shingle Creek a second phase to the Reaeration Project was added to the CIP at a project cost/Commission contribution of \$145,000; and specificity of description was added to the Shingle/Bass Creek project, now known as the Palmer Creek Estates Bass Creek Stream Restoration. Three other projects were moved to future years. In West Mississippi the 2017 CIP was revised to move three projects to future years.



**AMENDMENTS TO THE JOINT WATERSHED MANAGEMENT PLAN, *cont'd.***

On May 10, 2018, the Commissions adopted a minor amendment to the Plan which amended the Shingle Creek CIP to substitute the Bass and Pomerleau Lakes Alum Treatment Project for the generic Lake Internal Load Project in 2018 and added the SRP Reduction Project to the CIP, also in 2018. Two other projects were moved to future years. No revisions were made to the West Mississippi CIP.

On May 9, 2019, the Commission adopted the first of four new amendments to the Plan. The first amendment revised the CIP to add specificity to a project and to revise certain cost-share policies.

The second, adopted August 8, 2019, revised the CIP to reschedule and add specificity to a project and to adopt a cost-share policy for capital improvements.

The third amendment, adopted September 12, 2019, ordered four improvements, designating the members responsible for construction and certifying them for ad valorem levy. One improvement, City Cost Share Best Management Practices (BMP) Projects (\$53,025.00), was located in the West Mississippi watershed.

On October 10, 2019, the Plan was amended to add one West Mississippi project – River Park Storm Approvements - to its 2020 CIP.

The joint Plan was not amended in 2020.

On May 13, 2021, the Commissions adopted a minor amendment to the Plan which amended the West Mississippi CIP to add "Partnership Cost Share Projects." This program shares in the cost of Best Management Practices (BMPs) partnership projects with private landowners. Cost: \$100,000. The Shingle Creek CIP was amended to increase the cost of the existing Palmer Lake Estates Bass Creek Restoration Project from \$450,000 to \$600,000 and the Commission share to 100% of the project cost and to add "Channel Modification with SRP Filter Phase 2." This is the second phase of a project to install a media filter in a wetland outlet channel to reduce phosphorus to Upper Twin Lake. Cost: \$125,000.

On May 12, 2022, the Commissions adopted a minor amendment to revise Appendix C of the Plan, Rules and Standards, to (1) make the rules consistent with the most recent Minnesota General Stormwater Permit; and (2) make other various housekeeping revisions to the Rules.

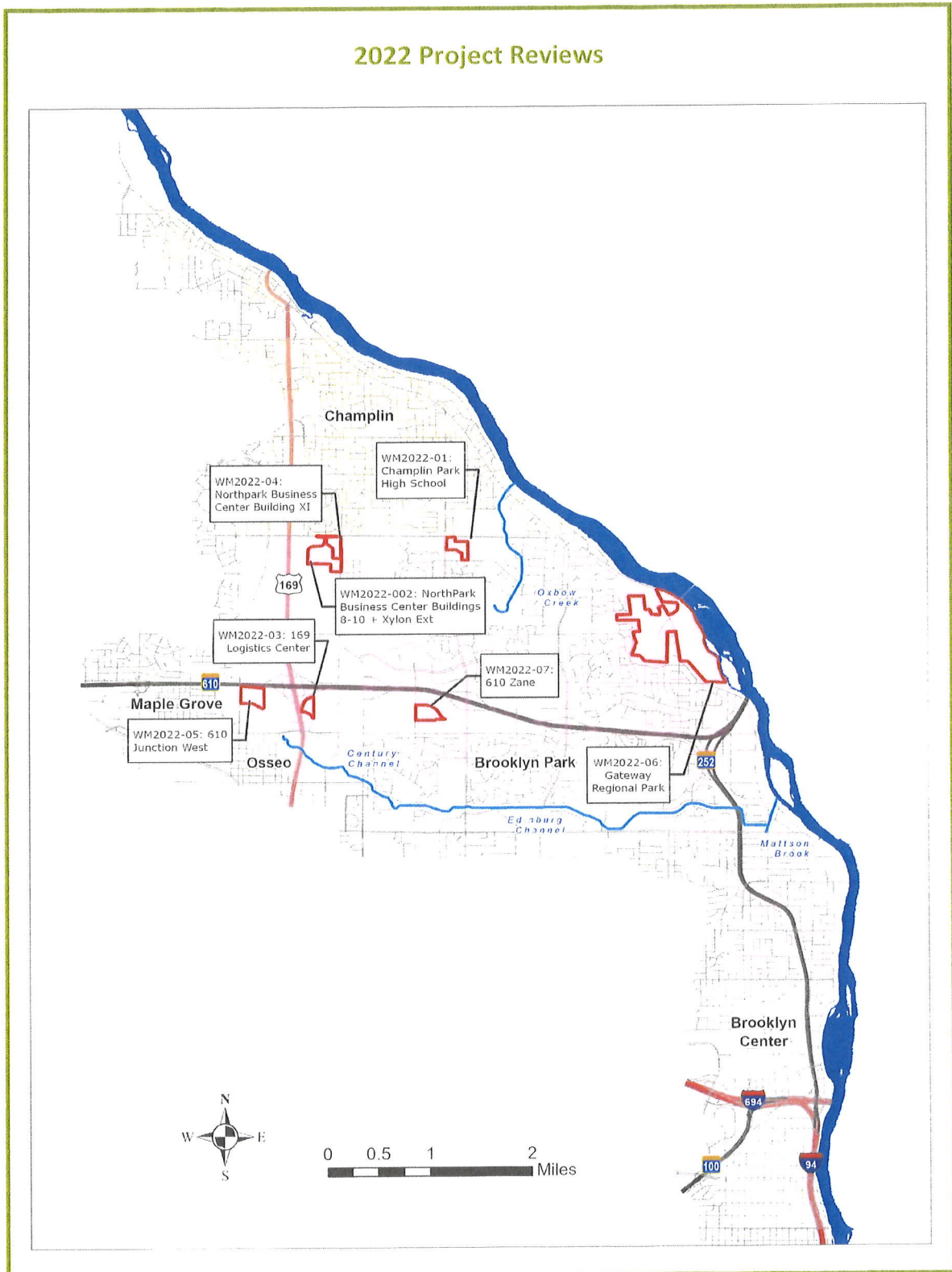
On July 14, 2022, the Shingle Creek Commission adopted a minor amendment to add to Appendix F, CIP Descriptions: "Maintenance Fund, A new project maintenance program funded by county levy to undertake nonstructural water quality improvements such as lake aquatic vegetation and rough fish management."





2022 Project Reviews						
Number	Project	Community	WCA LGU	Project Description	Impervious Area	Approved
2022-001	Champlin Park High School	Champlin	Comm	Construction of new artificial turf athletic field, new baseball field, trails, associated amenities	Will disturb approx. 6.2 acres of 75-acre site. Following development site will be approx. 36% impervious, an increase of 0.19 acres.	10-Feb-22
2022-002	NorthPark Business Center Buildings 8-10 and Xylon Extension	Brooklyn Park	Comm	Construction of three office-warehouse buildings and new city street on approx. 34 acres.	Following development site will be 76% impervious with 26 acres impervious surface, an increase of 26 acres.	14-Apr-22
2022-003	169 Logistics Center	Brooklyn Park	Comm	Construction of two industrial buildings with parking lots on 10.8 acres of undeveloped land.	Following development site will be 71% impervious, an increase of 7.7 acres.	11-Aug-22
2022-004	NorthPark Business Center Building 4	Brooklyn Park	Comm	Construction of office-warehouse building and associated parking on 16.3 acres.	Following development site will be 80% impervious with 13.1 acres of impervious surface - increase of 13.1 acres	8-Sep-22
2022-005	610 Junction West	Brooklyn Park	Comm	Construction of two industrial buildings and parking lot on 17.22 acres.	Following development site will be 85% impervious with 14.6 acres of impervious surface, an increase of 14.6 acres.	13-Oct-22
2022-006	Gateway Regional Park	Brooklyn Park	Comm	Construction of visitors center, sidewalks, trails and parking lots on 160 acres.	Following development site will be 4% impervious with 6.8 acres of impervious surface, an increase of 4.4 acres	9-Feb-23
2022-007	610 Zane Third Addition (Speculative Industrial Buildings)	Brooklyn Park	Comm	Construction of two industrial buildings and parking on 19.7 acres.	Following development site will be 62% impervious with 13.61 acres of impervious surface, an increase of 13.6 acres	9-Feb-23

## 2022 Project Reviews





**West Mississippi 2021 - 2022 Operating Budgets**

		<b>2021 Budget</b>	<b>2022 Budget</b>
<b>REVENUE</b>			
	Application Fees	\$18,000	\$18,000
	Member Assessments	153,600	156,200
	Blue Line Extension	0	0
	Interest	7,000	2,500
	Miscellaneous Income	0	0
	Reserve	0	5,000
	<b>Subtotal</b>	<b>\$178,600</b>	<b>\$181,700</b>
<b>EXPENSES</b>			
	<b>ADMINISTRATION</b>		
	Administrative Services	\$30,000	\$32,000
	Engineering Support	5,000	4,000
	Project Reviews/WCA	1,500	1,500
	Blue Line Extension	0	0
	<b>Subtotal</b>	<b>\$36,500</b>	<b>\$37,500</b>
	<b>ENGINEERING</b>		
	Engineering Services	31,500	33,500
	Grant Application Writing	1,000	500
	Project Reviews/WCA	30,000	30,000
	Blue Line Extension	0	0
	<b>Subtotal</b>	<b>\$62,500</b>	<b>\$64,000</b>
	<b>LEGAL</b>		
	Legal Services	4,000	4,500
	<b>Subtotal</b>	<b>\$5,000</b>	<b>\$4,500</b>
	<b>MISCELLANEOUS</b>		
	Bookkeeping	3,000	3,300
	Audit	5,500	5,000
	Insurance & Bonding	2,800	3,100
	Meeting Expense	2,700	2,700
	<b>Subtotal</b>	<b>\$14,000</b>	<b>\$14,100</b>



**West Mississippi 2021 - 2022 Operating Budgets, *contd.***

	2021 Budget	2022 Budget
<b>EXPENSES. <i>contd.</i></b>		
MONITORING		
Volunteer Stream Monitoring	\$ 0	\$ 0
Volunteer Wetland Monitoring	2,000	2,000
Outfall and Stream Monitoring	22,600	22,600
Annual Monitoring Report	8,000	8,000
<b><i>Subtotal</i></b>	<b><i>\$32,600</i></b>	<b><i>\$32,600</i></b>
EDUCATION		
Education Program	15,000	16,500
Raingarden Workshops	2,000	0
WMWA Implementation Activities	11,500	11,500
Education Grants	500	0
<b><i>\$29,000</i></b>	<b><i>\$29,000</i></b>	<b><i>\$28,000</i></b>
MANAGEMENT PLANS		
Third Gen Plan/Amendments	0	1,000
Subwatershed BMP Assessments	0	0
<b><i>Subtotal</i></b>	<b><i>\$0</i></b>	<b><i>\$1,000</i></b>
Contribution to 4th Gen Plan	0	0
To (from) Reserves	0	0
<b>TOTAL OPERATING EXPENSE</b>	<b>\$178,600</b>	<b>\$181,700</b>



## West Mississippi Watershed Management Commission

### 2021-2022 Member Assessments

2021	2020 Tax Capacity		Cost Allocation		Cost Based		Total Cost	
Community	Acreage		Based on Area		on Tax Capacity			
			%age	Dollars	%age	Dollars	%age	Dollars
Brooklyn Center	1,660	9,158,330	10.46%	8,033	10.92%	8,387	10.69%	16,420
Brooklyn Park	9,880	49,614,398	62.26%	47,813	59.16%	45,436	60.71%	93,248
Champlin	3,620	20,767,803	22.81%	17,518	24.76%	19,019	23.79%	36,537
Maple Grove	530	2,911,603	3.34%	2,565	3.47%	2,666	3.41%	5,231
Osseo	180	1,410,734	1.13%	870	1.68%	1,292	1.41%	2,163
<b>Totals</b>	<b>15,870</b>	<b>83,862,868</b>	<b>100.00%</b>	<b>76,800</b>	<b>100.00%</b>	<b>76,800</b>	<b>100.00%</b>	<b>153,600</b>

2022	2021 Tax Capacity		Cost Allocation		Cost Based		Total Cost	
Community	Acreage		Based on Area		on Tax Capacity			
			%age	Dollars	%age	Dollars	%age	Dollars
Brooklyn Center	1,660	9,968,236	10.46%	8,160	11.10%	8,666	10.78%	16,835
Brooklyn Park	9,880	53,164,616	62.26%	48,633	59.18%	46,220	60.72%	94,843
Champlin	3,620	21,941,714	22.81%	17,815	24.42%	19,076	23.62%	36,891
Maple Grove	530	3,264,297	3.34%	2,608	3.63%	2,838	3.49%	5,446
Osseo	180	1,495,320	1.13%	885	1.66%	1,300	1.40%	2,185
<b>Totals</b>	<b>15,870</b>	<b>89,834,183</b>	<b>100.00%</b>	<b>78,100</b>	<b>100.00%</b>	<b>78,100</b>	<b>100.00%</b>	<b>156,200</b>

