



**MINNEHAHA CREEK**  
**WATERSHED DISTRICT**  
QUALITY OF WATER, QUALITY OF LIFE

**Meeting:** Board of Managers  
**Meeting date:** 9/9/2021  
**Agenda Item #:** 11.1  
**Request for Board Action**

---

**Title:** Adoption of the 2022 Budget and Workplan, and Certification of the 2022 Tax Levy

**Resolution number:** 21-059 and 21-060

**Prepared by:** Name: James Wisker  
Phone: 952.641.4509  
Jwisker@minnehahacreek.org

**Recommended action:** Adopt the 2022 Budget, Workplans and associated Fund Transfers  
Certify the 2022 Tax Levy  
Announce the November 18 Public Meeting

**Attachments:**

Workplan		
Budget and Levy Summary	–	<i>Attachment 1</i>
Programs and Operations	–	<i>Attachment 2</i>
Operations	–	<i>Attachment 3</i>
Permitting	–	<i>Attachment 4</i>
Planning and Projects	–	<i>Attachment 5</i>
Outreach	–	<i>Attachment 6</i>
Research & Monitoring	–	<i>Attachment 7</i>
Capital Improvements	–	<i>Attachment 8</i>
Capital Finance	–	<i>Attachment 9</i>
Detailed Budget	–	<i>Attachment 10</i>
Transfer Summary	–	<i>Attachment 11</i>
Compensation Structure	–	<i>Attachment 12</i>

## **2022 Budget Background:**

Through the Minnehaha Creek Watershed District's strategic planning, culminating in 2017, the MCWD Board of Managers implemented a series of fiscal measures to carefully manage the District's levy, while maintaining high quality mission aligned output and service. Those actions included:

- Aligning program budgets with organizational priorities
- Making strategic reductions and implementing operational efficiencies
- Right-sizing, aligning and investing in human resources
- Strengthening partnerships for capital project financing
- Securing increasing levels of outside funding
- Restructuring existing capital project debt
- Reallocating funds from initiatives delivered under budget to capital projects

That work continues to position MCWD well for fiscal year 2022. Current projections for 2022 show a balanced budget of \$15,027,532, supported with a flat (0% change) levy of \$9,675,993. This is accomplished by drawing on funds levied in past years for capital projects, the reallocation of funds from programs delivered under budget, and \$647,218 in grant funds.

## **2022 Budget Development Process:**

To develop the draft 2022 budget, the Board of Managers and Citizen Advisory Committee has engaged in the following series of discussions to date:

- [April 22, 2021 Policy and Planning Committee](#)
  - Preliminary draft 2022 budget projection, and review of programs and operations
- [May 27, 2021 Policy and Planning Committee](#)
  - Detailed review of draft 2022 budget, including:
    - Programs, Operations and Personnel
    - Capital Improvement Program
    - Capital Finance and Debt Service
- [June 10, 2021 Operations and Programs Committee](#)
  - Reviewed areas of draft 2022 budget refinement
  - Reviewed strategic alignment of 2022 budget
- [July 8, 2021 Operations and Programs Committee](#)
  - Reviewed areas of draft 2022 budget refinement
  - Reviewed draft workplan
- [July 14, 2021 Citizen Advisory Committee](#)
  - Review draft 2022 budget, levy and workplan
- [August 12, 2021 Board Meeting](#)
  - Received refined draft 2002 budget as an information item
- [August 26, 2021 Public Hearing](#)
  - Public hearing on the draft 2022 budget

During the course of these meetings Board members have discussed the budget and levy, reviewed the budget components in detail, and directed staff to continue the process of refining the 2022 budget.

## **2022 Budget Alignment:**

### High Impact Capital Improvements:

In 2022 the District will remain focused on cultivating public and private partnerships to deliver capital projects that measurably improve the watershed, and provide broader social and economic benefit to communities. That work will involve continuing to develop projects within the District's focal geography pipeline, as well as refining the responsive model and permitting program as pathways to project implementation on a broader watershed wide basis. Projects in queue are summarized in more detail in the CIP section of this memo, but include work within the Minnehaha Creek Greenway, Minneapolis and the Six Mile Creek – Halsted Bay subwatershed.

#### Data Analytics to Improve Planning, Decision Making and Communications:

2022 and beyond will continue to see MCWD programs increasingly align to support high impact capital project planning. One area of emphasis in recent history, which will be carried forward in 2022, is the ongoing buildout of the District's data-analytic capabilities. Over the last several years investments have been made to acquire technology solutions to help the MCWD gather, store, retrieve and integrate watershed data with other data sets for the built environment – to better inform planning, decision making and communication with partners and the public.

These technology solutions will continue to be integrated in 2022, ultimately pushing data to a rebuilt website for broader public consumption. Data will be presented graphically and spatially using interactive maps and GIS, including information on permit applications, water quality and natural system information, MCWD and agency investments in infrastructure, and information and toolkits for local residential-scale watershed best practices. This new design and content plan for the District's website fits under the District's new strategic direction for outreach which emphasizes telling data-driven, graphically rich stories on a targeted audience basis, about the capital investments that are needed, and the positive effects of the work that has been completed by MCWD and its partners.

#### Climate Action Planning:

As part of its improved data management systems, the District continues to make progress building out its real time sensor network (RESNET) with regional, state and federal partners, to enhance a granular understanding of how watershed hydrology is evolving in the face of climate change. This data set is being leveraged in 2021 to develop machine learning models, in partnership with the U of M, which will improve the MCWD's ability to use short term weather forecasts from the National Oceanic and Atmospheric Administration (NOAA) to predict and manage water level responses in partnership with emergency managers.

To complement short-term predictive capabilities, the District has obtained support from member communities, Hennepin County, the DNR, EQB, and USGS, to develop a 2D watershed model which will create the ability to generate more accurate long-term predictions of hydrologic scenarios using downscaled state climatological data. This deeper understanding of system changes over time will position the District as a value added partner in planning and implementing green and gray infrastructure adaptations that create resilience in the built and natural environments in response to climate driven shifts in precipitation.

#### **Proposed 2022 Budget and Levy:**

As shown in the attached budget tables, current projections for 2022 show a balanced budget of \$15,027,532. Relative to 2021, this represents a 2% or \$311,111 increase in budgeted expenditures.

The proposed 2022 budget is supported with a flat (0% change) levy of \$9,675,993. This is accomplished by drawing on funds levied in past years for capital projects, the reallocation of funds from programs either deprioritized or delivered under budget, and \$647,218 in grant funds.

#### **Requested Action:**

Following from the August 26, 2021 Public Hearing, at the September 9, 2021 Board Meeting, the Board is requested to take the following actions regarding the proposed 2022 budget and levy:

- Adopt the 2022 Budget, Workplans and associated Fund Transfers
- Certify the 2022 Tax Levy
- Announce the November 25 Public Meeting

#### **Contact:**

If there are questions in advance of the meeting, please contact James Wisker at [Jwisker@minnehahacreek.org](mailto:Jwisker@minnehahacreek.org).



**RESOLUTION**

**Resolution number:** 21-059

**Title:** Adoption of the 2022 Budget and Workplan, and Notice of November 18, 2021 Public Meeting

- WHEREAS, the MCWD Board of Managers engaged in six discussions as part of a clearly delineated process to develop the proposed 2022 budget and tax levy
- WHEREAS, as part of the process, the District’s 2022 capital improvement plan was released for public comment, prior to approval by the Board of Managers
- WHEREAS, the Citizen Advisory Committee reviewed and provided comment on the District’s 2022 budget and workplan
- WHEREAS, the MCWD Board of Managers has found that the proposed 2022 budget and workplan aligns with its strategic priorities, is appropriately supported by partnerships, and will deliver measurable progress towards its mission
- WHEREAS, pursuant to MN Statute 103D.911 Subdivision 1, the Board of Managers held a duly noticed public hearing on August 26, 2021
- WHEREAS, pursuant to MN Statute 103D.911 Subdivision 2, the Board of Managers shall adopt a budget on or before September 15 each year
- WHEREAS, Manager \_\_\_\_\_ offered the following resolution and moved its adoption, seconded by Manager \_\_\_\_\_

NOW, THEREFORE, BE IT RESOLVED that the Minnehaha Creek Watershed District Board of Managers hereby adopts the 2022 budget of \$15,027,532, and associated workplans and fund transfers, presented to the Board of September 9, 2021.

NOW, THEREFORE, BE IT RESOLVED that the Minnehaha Creek Watershed District Board of Managers hereby announces a public meeting for further comment on the 2022 budget, scheduled for November 18, 2021.

The question was on the adoption of the resolution and there were \_\_\_\_\_ yeas and \_\_\_\_\_ nays as follows:

	<u>Yea</u>	<u>Nay</u>
MAXWELL		
OLSON		
MILLER		
SANDO		
LOFTUS		
HEJMADI		
WHITE		

I, Gene Maxwell, Secretary of the Minnehaha Creek Watershed District, do hereby certify that I have compared the above resolution with the original thereof as the same appears of record and on file with the District and find the same to be a true and correct transcript therefore.

IN TESTOMONY WHEREOF, I have hereunto set my hand and affixed the Seal of said Watershed District this 9<sup>th</sup> day of September, 2021.

\_\_\_\_\_  
Gene Maxwell, Secretary

Date: \_\_\_\_\_

DRAFT



## RESOLUTION

---

**Resolution number:** 21-060

**Title:** Minnehaha Creek Watershed District Board of Managers Certified 2022 Tax Levy

- WHEREAS, the MCWD Board of Managers engaged in six discussions as part of a clearly delineated process to develop the 2022 budget and tax levy
- WHEREAS, as part of the process, the District's 2022 capital improvement plan was released for public comment, prior to approval by the Board of Managers
- WHEREAS, the Citizen Advisory Committee reviewed and provided comment on the District's 2022 budget and workplan
- WHEREAS, the MCWD Board of Managers has found that the proposed 2022 budget and workplan aligns with its strategic priorities, is appropriately supported by partnerships, and will deliver measurable progress towards its mission
- WHEREAS, pursuant to MN Statute 103D.911 Subdivision 1, the Board of Managers held a duly noticed public hearing on August 26, 2020
- WHEREAS, pursuant to MN Statute 103D.911 Subdivision 2, the Board of Managers shall certify to the auditor of each county within the watershed district, the county's share of the tax, no later than September 15 each year.
- WHEREAS, Manager \_\_\_\_\_ offered the following resolution and moved its adoption, seconded by Manager \_\_\_\_\_

NOW, THEREFORE, BE IT RESOLVED that the Secretary, in accordance with Minnesota Statutes, shall certify to the Auditors of Hennepin and Carver Counties, in amounts bearing the same proportion to the total levy as the net tax capacity of the area of county within the watershed bears to the net tax capacity of the entire watershed district, the following sums to be raised by a levy on all taxable property in the Minnehaha Creek Watershed District Number 3 for the year 2022 and the purposes noted below.

2022 Levy: \$9,675,993 for the purpose of paying the cost of watershed management and implementation as provided by Minnesota Statutes, Sections 103B.241 and 103B.251.

The question was on the adoption of the resolution and there were \_\_\_\_\_ yeas and \_\_\_\_\_ nays as follows:

	<u>Yea</u>	<u>Nay</u>
MAXWELL		
OLSON		
MILLER		
SANDO		
LOFTUS		
HEJMADI		
WHITE		

I, Gene Maxwell, Secretary of the Minnehaha Creek Watershed District, do hereby certify that I have compared the above resolution with the original thereof as the same appears of record and on file with the District and find the same to be a true and correct transcript therefore.

IN TESTOMONY WHEREOF, I have hereunto set my hand and affixed the Seal of said Watershed District this 9<sup>th</sup> day of September, 2021.

\_\_\_\_\_  
Gene Maxwell, Secretary

Date: \_\_\_\_\_



# 2022 BUDGET & WORKPLAN

## IN PURSUIT OF A BALANCED URBAN ECOLOGY

We believe that clean water and a healthy natural environment are essential to creating and sustaining vibrant, thriving communities. The beauty, green space, and recreational opportunities found in the Minnehaha Creek watershed create a sense of place that provides a local identity, adds economic value, and increases well-being.

We put this belief into action by partnering with our communities to integrate the natural and built environments across the watershed. In pursuing these partnerships, we focus in areas of high need to achieve significant, measurable improvements, while remaining responsive to needs and opportunities watershed-wide.

This approach allows us to remain focused for greater effectiveness while maintaining the flexibility to respond to significant opportunities created through land use change.



**MINNEHAHA CREEK**  
WATERSHED DISTRICT

## 2022 WORKPLAN OVERVIEW

The following pages describe how the District provides service and value across the watershed while working to deliver high-impact projects in its two focal subwatersheds of Six Mile Creek-Halsted Bay and Minnehaha Creek. The final section highlights the District's approach for working with its communities to respond to the growing threat of climate change.



# 2022 BUDGET BREAKDOWN

## FISCAL RESPONSIBILITY

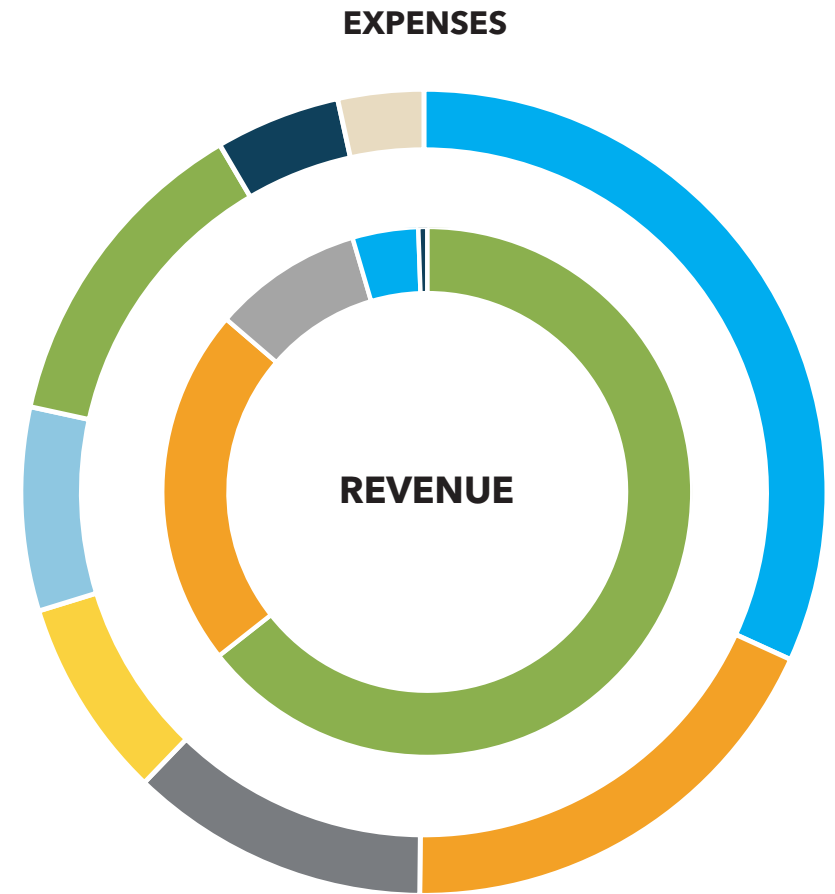
Our work is supported by an annual tax levy, funds levied in past years for multi-year projects (projects fund balance), funds reallocated from projects and programs delivered under-budget (programs fund balance), grants and partner funds, interest, and reimbursement of permit fees.

**For the fifth consecutive year, there will be no increase in our tax levy in 2022.** We will receive approximately \$647,218 in grants and partner contributions.

EXPENSES		2021	2022
Capital Projects	\$5,566,999	\$4,780,324	
Capital Finance	\$2,831,750	\$2,758,468	
Operations & Support Services	\$1,883,098	\$1,808,491	
Research & Monitoring	\$1,178,260	\$1,208,792	
Planning	\$1,178,645	\$1,226,937	
Project & Land Maintenance	\$957,806	\$1,974,212	
Permitting	\$718,617	\$753,644	
Outreach	\$401,247	\$516,665	
<b>TOTAL</b>	<b>\$14,716,421</b>	<b>\$15,027,532</b>	

REVENUE		2021	2022
Levy	\$9,675,993	\$9,675,993	
Projects Fund Balance	\$2,847,446	\$3,411,052	
Programs Fund Balance	\$1,313,961	\$1,212,049	
Grants & Partner Funds	\$709,801	\$647,218	
Interest & Fees	\$169,220	\$81,220	
<b>TOTAL</b>	<b>\$14,716,421</b>	<b>\$15,027,532</b>	



# WATERSHED-WIDE SERVICES

In our commitment to serve partners and residents across the watershed's 178 square miles, we provide a variety of services that assist in clean water work. We also remain flexible to respond to opportunities to protect and improve natural resources that are created through land use change and partner initiatives.

## SERVICE IN ACTION

Community members at a demonstration event for the Long Lake Creek Subwatershed Assessment, a collaboration with the cities of Long Lake, Medina, and Orono, and the Long Lake Waters Association to identify projects to restore the five impaired lakes in the subwatershed.



## SERVICES

- **Monitoring & Assessment:** Collecting and analyzing data across the watershed to identify resource needs to inform planning and implementation.
- **Planning and Technical Assistance:** Collaborating with cities, landowners, and others to identify the most effective strategies to meet partners' goals and improve water quality and ecological integrity.
- **Project Support:** Working with public and private partners to support projects that align with MCWD goals and priorities and that are well-coordinated to create mutual benefits.
- **Permitting:** Reviewing and overseeing construction activities, in coordination with our communities, to protect natural resources from degradation as a result of land use change. In 2022, continue our efforts to enhance customer service and generate opportunities for win-win partnerships through improvements to our rules, processes, and new online permitting portal.
- **Outreach:** Connecting people to information they value and engaging residents, agencies, and private sector partners to ensure that our work is integrated with the goals of our communities.
- **Project Maintenance and Land Management:** Maintaining our projects and land to ensure their continued function and value, and managing the operation of Gray's Bay Dam to balance the water budget throughout our 178-square miles and reduce the risk of flooding.

# SIX MILE CREEK - HALSTED BAY SUBWATERSHED

## OVERVIEW

The Six Mile Creek - Halsted Bay Subwatershed is a system of 14 lakes connected by Six Mile Creek and wetlands that form the **headwaters** of Lake Minnetonka and the Minnehaha Creek watershed. Five lakes have impaired waters and Halsted Bay is the most degraded in Lake Minnetonka. To improve the long-term health and habitat of this system, MCWD is forming partnerships and using the strategies outlined below.

## PARTNERSHIPS

With its priority to create value-added partnerships, MCWD joined with communities to outline the *Six Mile Creek - Halsted Bay Subwatershed Plan*, a collaborative vision to improve water quality and natural resources and increase public access to the system with trails, signage, and engagement opportunities.

## STRATEGY

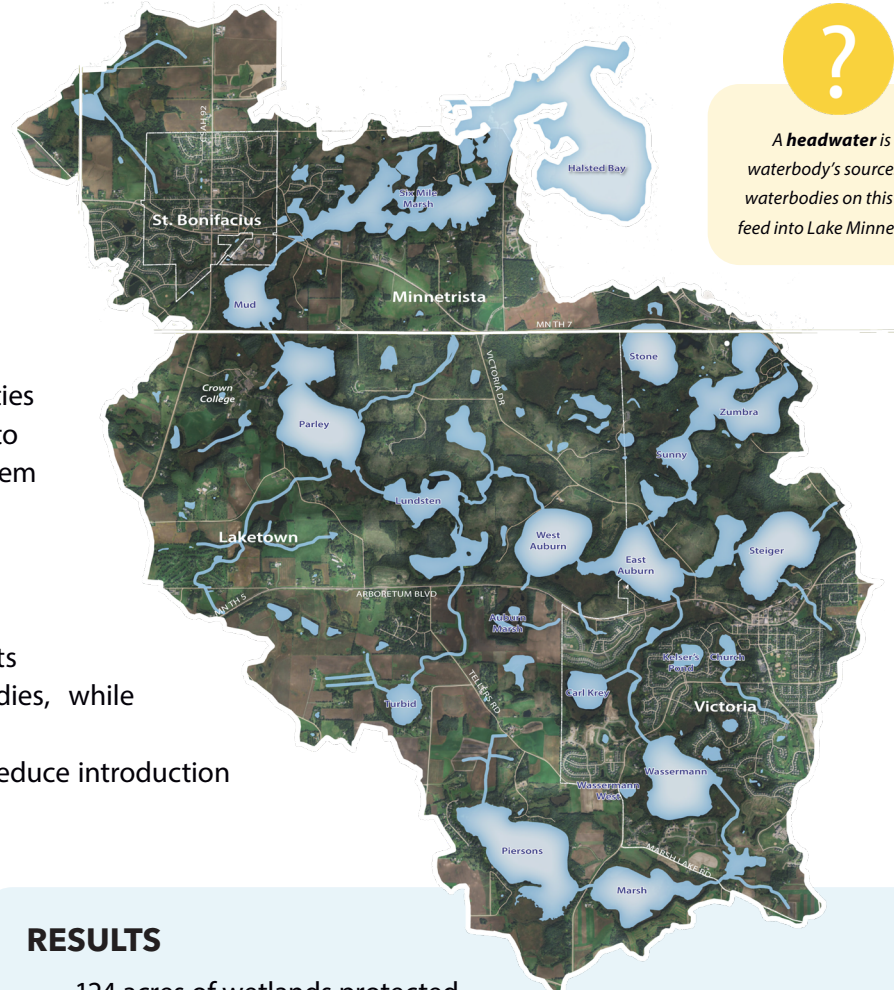
- Restore lake habitat by managing carp populations
- Reduce phosphorus released from lake bottoms by controlling in-lake nutrients
- Protect and restore wetlands to reduce phosphorus entering waterbodies, while connecting habitat corridors and uplands
- Identify stormwater management opportunities with cities & developers to reduce introduction of pollutants

## WORK TO DATE

Phase 1 of project implementation focused on restoring Wassermann Lake, an impaired waterbody in the growing city of Victoria. MCWD worked with its partners on the following projects to return the lake to a sustainably healthy state.

- A system-wide carp management program to reduce carp to levels that do not damage ecosystems
- Restoration of a 20-acre wetland in partnership with a private developer
- Alum treatment on an adjacent pond and in the lake itself

The restored lake can be enjoyed from the Wassermann Lake Preserve, a flagship project completed in 2021. This park, situated on the Wassermann shoreline, features restored native upland, shoreline, and stream channel habitat while providing unique nature-based amenities.



## RESULTS

- 124 acres of wetlands protected
- \$1.2 million in outside capital leveraged
- 545 lbs/yr of nutrient loading reduced by 2022
- 190 acres of publicly accessible green space created
- 142,000 lbs of common carp reduced across 14 lakes
- 2,488 acres of deep and shallow lake habitat restored
- 25% improvement of nutrient concentrations at Six Mile Creek/ Lake Minnetonka outlet over 10 years

# SIX MILE CREEK - HALSTED BAY SUBWATERSHED



*Left: An alum treatment at a pond upstream of Wassermann Lake.*

*Below: Wassermann Lake Preserve, a nature-based park that showcases the restoration of Wassermann Lake, opened in June 2021.*

*Photo: Justin Cox Photography*

## 2022 ACTIVITIES

### WASSERMANN NUTRIENT MANAGEMENT

“Internal loading”, or the release of **nutrients** from the lake bottom into the water, remains the final significant source of nutrient pollution in Wassermann Lake. MCWD secured a \$284,720 grant from the Board of Water and Soil Resources Clean Water Fund to prevent internal loading through **alum treatment**. The treatment is estimated to reduce internal loading by 90 percent, improving the lake’s health and clarity while moving it closer to removal from the state’s impaired waters list. The second of two treatments will occur in 2022.

### SIX MILE PROJECT PLANNING

With Wassermann poised to meet its restoration goals, MCWD will evaluate where to focus capital project resources next. One area under consideration is the Turbid-Lundsten Corridor. This degraded wetland system presents a unique opportunity to create a contiguous wetland and habitat corridor while reducing nutrient levels in both Turbid and Lundsten Lakes. This restored corridor would be an asset in the future Victoria Greenway, which aims to create a connected system of parks, trails and open space as development progresses south and west.



**Nutrients**, such as phosphorus and nitrogen, are important building blocks in a lake’s food chain. However, if found at high levels, they can pollute waterbodies and lead to excess algae growth.

An **alum treatment** is a process that uses aluminum sulfate to bind to phosphorus particles and trap them in the lake bottom.

# MINNEHAHA CREEK SUBWATERSHED

## OVERVIEW

Minnehaha Creek is the outlet for the entire watershed, flowing nearly 23 miles from Lake Minnetonka and collecting stormwater from Minnetonka, Hopkins, St. Louis Park, Edina, Richfield, and Minneapolis, through the chain of lakes and into the Mississippi River.

The creek suffers from:

- **flashy** water levels and flooding
- altered stream channels
- lost, impacted, and fragmented riparian corridor
- polluted stormwater runoff from hundreds of storm sewers
- impairments for E. coli, chloride, dissolved oxygen, fish and macroinvertebrates
- transportation of nutrients that degrade water quality in Lake Hiawatha downstream

## PARTNERSHIPS

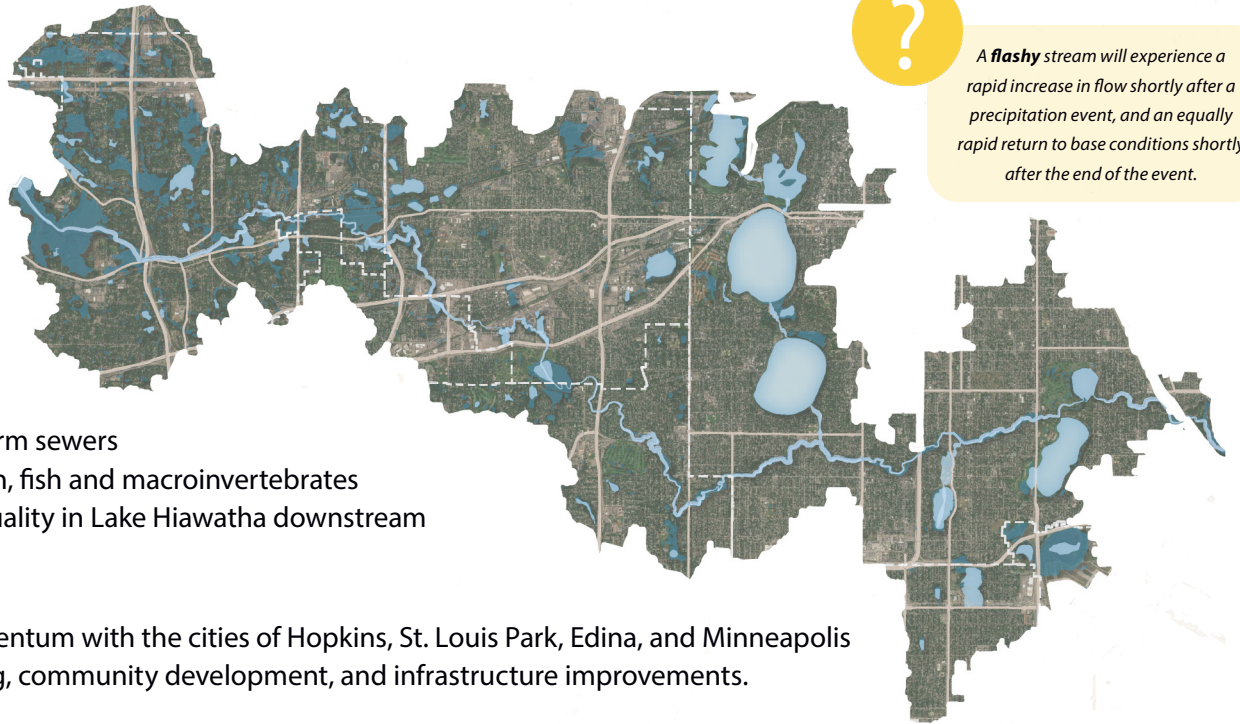
MCWD has developed strong relationships and momentum with the cities of Hopkins, St. Louis Park, Edina, and Minneapolis to integrate natural resource goals with park planning, community development, and infrastructure improvements.

## STRATEGY

- Manage regional stormwater to slow down water, reduce runoff and pollution entering the creek, and decrease flood risk
- Restore the creek to reduce bank erosion, slow down water, and improve habitat and buffers while increasing opportunities for public access and economic development
- Restore and connect ecological corridors to maximize green space, improve habitat and flood storage, and strengthen resilience

## WORK TO DATE

- Re-meandering sections of the creek in St. Louis Park and Edina
- Implementing stormwater management in Hopkins, St. Louis Park, and Edina
- Repairing eroded streambanks in Minneapolis
- Revitalizing Cottageville Park in Hopkins and Arden Park in Edina
- Creating new trail systems and public access to the creek in St. Louis Park



A **flashy** stream will experience a rapid increase in flow shortly after a precipitation event, and an equally rapid return to base conditions shortly after the end of the event.

## RESULTS

- 19% reduction in phosphorus levels in Lake Hiawatha
- Creek concentrations of chlorophyll-a that now meet state standards
- 60 acres of newly accessible green space
- 30 acres of restored wetlands
- 150+ lbs of phosphorus removed per year
- 3.2 acre-feet of floodplain storage
- 1.5 miles of restored creek/banks

# MINNEHAHA CREEK SUBWATERSHED

## 2022 ACTIVITIES

### 325 BLAKE ROAD RESTORATION AND REDEVELOPMENT

MCWD's project at this former industrial site bordering Minnehaha Creek will feature riparian restoration, open space amenities, and regional stormwater treatment. In partnership with the City of Hopkins and a private developer, approximately 12 acres of the site will be transformed into a transit-oriented mixed-use development that integrates with MCWD's project. MCWD has received \$2.4 million from Hennepin County, Met Council, Public Facilities Authority, and Clean Water Legacy Fund in project support. MCWD's project will:

- Treat polluted runoff from 270 acres of the surrounding region and reduce phosphorus levels by 181 pounds per year; and
- Create a connection to the Minnehaha Creek Greenway trail system between Cottageville Park and the Minnehaha Creek Preserve.

### STREAM ENHANCEMENT & TRAIL CONNECTION

The Southwest LRT line will run through the heart of the Minnehaha Creek Greenway and provide another important community connection to this revitalized corridor. In partnership with the City of St. Louis Park, a key connection will be made during LRT construction that will link investments along the Minnehaha Creek Greenway trail system to the Cedar Regional Trail, and make streambank improvements along the construction corridor.

### MINNEHAHA CREEK PARKWAY WATER RESOURCE IMPROVEMENTS

The Minneapolis Park and Recreation Board, in coordination with the City of Minneapolis and MCWD, is leading a 30-year envisioning of the Minnehaha Creek Regional Trail through the parklands of south Minneapolis. In this once-in-a-generation overhaul, the MCWD is working with these agencies and the community to integrate regional stormwater management solutions and creek restoration to make water quality, infrastructure, and ecological improvements.



*A concept image from the draft Minnehaha Creek Regional Trail Master Plan, picturing people enjoying the many benefits of a restored tributary between Lake Harriet and Minnehaha Creek near Lynnhurst Park*

**9-9-21 DRAFT**

# ACTIVITY SPOTLIGHT: CLIMATE ACTION PLANNING

## OVERVIEW

Climate change is already impacting water resources within the MCWD. Over the past decade, the watershed has experienced both flooding and drought conditions. The changes in precipitation and temperature patterns pose a threat to both natural and built systems. As the effects of climate change accelerate, the District recognizes the need to develop a strategy to respond to these changes.

## WORK TO DATE

In 2020, MCWD assessed its role in responding to climate change. The result was a draft Climate Action Framework that defines the three pillars of the District's role:

1. **Understand & Predict:** Utilize and expand data collection and analysis capabilities to understand and predict climate change impacts on the watershed
2. **Communicate, Convene, & Plan:** Convene partners to build consensus around issues, establish measurable goals, and evaluate potential solutions
3. **Implement, Measure, & Adapt:** Coordinate with partners to implement projects, programming, and policies to achieve measurable progress toward goals

## 2022 ACTIVITIES

As a regional and technical entity, MCWD is well-positioned to understand the water budget and upstream-downstream cause and effect across communities. To further this effort, MCWD is developing two tools:

- A **Machine Learning Model** that forecasts water levels based on remote sensing data collected through MCWD's RESNET and Hennepin County's MESONET programs. Forecasts will improve MCWD's ability to support Gray's Bay Dam operations and partner agencies' emergency response throughout the District.
- A **2-Dimensional Watershed Model** that will enable MCWD to evaluate hydrologic impacts of potential land use and climate changes. This will position the MCWD as a value-added partner in planning and implementing **green and gray infrastructure** adaptations that create resilience in the built and natural environments.

In mid-2022, MCWD will begin engaging with cities and partner agencies through a technical advisory committee that focuses on this work.



*Minnehaha Creek at Methodist Hospital in St. Louis Park during drought conditions in 2012, left, and flood conditions in 2014, below.*



**Green infrastructure** uses vegetation, soils, and other natural elements, while **gray infrastructure** uses pipes and other man-made structures, to manage stormwater.

## Attachment 1 - DRAFT 2022 Budget-Revenue Summary

<b>EXPENSES</b>	<b>2021</b>	<b>2022</b>	<b>2021-2022 Δ</b>	<b>% Change</b>
Operations	\$1,883,098	\$1,808,491	\$ (74,606)	-4%
Programs	\$4,434,574	\$5,680,250	\$ 1,245,675	28%
Capital finance	\$2,831,750	\$2,758,468	\$ (73,283)	-3%
Capital projects	\$5,566,999	\$4,780,324	\$ (786,675)	-14%
<b>TOTAL</b>	<b>\$14,716,421</b>	<b>\$15,027,532</b>	<b>\$ 311,111</b>	<b>2%</b>
<b>REVENUE</b>				
<b>REVENUE</b>	<b>2021</b>	<b>2022</b>	<b>2021-2022 Δ</b>	<b>% Change</b>
Preliminary 2021 levy	\$9,675,993	\$9,675,993	\$ -	0%
Projects fund balance	\$2,847,446	\$3,411,052	\$ 563,606	20%
Programs fund balance	\$1,313,961	\$1,212,049	\$ (101,912)	-8%
Grants and partner funds	\$709,801	\$647,218	\$ (62,583)	-9%
Interest, permit fees, reimbursements	\$169,220	\$81,220	\$ (88,000)	-52%
<b>TOTAL</b>	<b>\$14,716,421</b>	<b>\$15,027,532</b>	<b>\$ 311,112</b>	<b>2%</b>



**Attachment 2 - DRAFT 2022 Operations and Programs Summary by Fund**

Fund Code	Program/Fund	2021 Carryover Detail							2022 Budget and Revenue			2021-2022 Budget Change	
		2020 EOY Balance	2021 Budget	2021 Estimated Expenditures	2021 Levy	2021 External Revenue <sup>1</sup>	Assigned (carried to future years)	2021 Carryover (transferred to CIP)	2022 Budget	2022 External Revenue <sup>1</sup>	2022 Revenue Needs	\$ Change	% Change
1002	General Operations	\$ 1,990,767	\$ 1,077,848	\$ 1,044,832	\$ 1,007,848	\$ 5,000	\$ 2,475,013	\$ (516,230)	\$ 1,087,491	\$ 10,000	\$ 1,077,491	\$ 9,644	1%
1003	Information Technology	\$ 306,825	\$ 419,250	\$ 326,000	218,205	\$ -	\$ -	\$ 199,030	\$ 335,000	\$ -	\$ 335,000	\$ (84,250)	-20%
1005	Facility Maintenance Plan	\$ 356,386	\$ 386,000	\$ -	44,000	\$ -	\$ -	\$ 400,386	\$ 386,000	\$ -	\$ 386,000	\$ -	0%
<b>Operations Subtotal</b>		<b>\$ 2,653,978</b>	<b>\$ 1,883,098</b>	<b>\$ 1,370,832</b>	<b>1,270,053</b>	<b>\$ 5,000</b>	<b>\$ 2,475,013</b>	<b>\$ 83,186</b>	<b>\$ 1,808,491</b>	<b>\$ 10,000</b>	<b>\$ 1,798,491</b>	<b>\$ (74,606)</b>	<b>-4%</b>
2001	Permit Administration	\$ -	\$ 718,617	\$ 661,705	630,617	\$ 60,000	\$ -	\$ 28,912	\$ 738,644	\$ 60,000	\$ 678,644	\$ 20,027	3%
2007	Rule Revisions	\$ 44,898	\$ -	\$ 51,945	0	\$ -	\$ -	\$ (7,047)	\$ 15,000	\$ -	\$ 15,000	\$ 15,000	0%
<b>Permitting Subtotal</b>		<b>\$ 44,898</b>	<b>\$ 718,617</b>	<b>\$ 713,650</b>	<b>630,617</b>	<b>\$ 60,000</b>	<b>\$ -</b>	<b>\$ 21,865</b>	<b>\$ 753,644</b>	<b>\$ 60,000</b>	<b>\$ 693,644</b>	<b>\$ 35,027</b>	<b>5%</b>
2002	Planning & Projects	\$ 198,062	\$ 1,178,645	\$ 1,166,760	1,178,645	\$ 33,252	\$ -	\$ 243,199	\$ 1,226,937	\$ -	\$ 1,226,937	\$ 48,292	4%
2003	Project Maint. & Land Mgmt	\$ 24,164	\$ 957,806	\$ 594,655	957,806	\$ -	\$ 189,500	\$ 197,815	\$ 1,974,212	\$ -	\$ 1,974,212	\$ 1,016,406	106%
<b>Planning &amp; Projects Subtotal</b>		<b>\$ 222,226</b>	<b>\$ 2,136,451</b>	<b>\$ 1,761,416</b>	<b>2,136,451</b>	<b>\$ 33,252</b>	<b>\$ 189,500</b>	<b>\$ 441,014</b>	<b>\$ 3,201,149</b>	<b>\$ -</b>	<b>\$ 3,201,149</b>	<b>\$ 1,064,698</b>	<b>50%</b>
4001	Cynthia Krieg	\$ 5,385	\$ -	\$ -	0	\$ -	\$ 5,385	\$ -	\$ -	\$ -	\$ -	\$ -	0%
4002	Outreach	\$ 122,672	\$ 401,247	\$ 349,601	401,247	\$ -	\$ -	\$ 174,318	\$ 516,665	\$ -	\$ 516,665	\$ 115,418	29%
4005	Cost Share	\$ 405,799	\$ -	\$ -	0	\$ -	\$ 405,799	\$ -	\$ -	\$ -	\$ -	\$ -	0%
<b>Outreach Subtotal</b>		<b>\$ 533,856</b>	<b>\$ 401,247</b>	<b>\$ 349,601</b>	<b>401,247</b>	<b>\$ -</b>	<b>\$ 411,184</b>	<b>\$ 174,318</b>	<b>\$ 516,665</b>	<b>\$ -</b>	<b>\$ 516,665</b>	<b>\$ 115,418</b>	<b>29%</b>
5001	Research & Monitoring	\$ 225,289	\$ 1,127,260	\$ 942,031	1,127,260	\$ 11,200	\$ -	\$ 421,717	\$ 1,164,580	\$ -	\$ 1,164,580	\$ 37,320	3%
5007	Six Mile Creek-Halsted Bay Carp Mgmt	\$ 86,878	\$ 51,000	\$ 117,006	0	\$ 100,078	\$ -	\$ 69,950	\$ 44,212	\$ 44,212	\$ -	\$ (6,788)	-13%
<b>Research &amp; Monitoring Subtotal</b>		<b>\$ 312,167</b>	<b>\$ 1,178,260</b>	<b>\$ 1,059,037</b>	<b>1,127,260</b>	<b>\$ 111,278</b>	<b>\$ -</b>	<b>\$ 491,667</b>	<b>\$ 1,208,792</b>	<b>\$ 44,212</b>	<b>\$ 1,164,580</b>	<b>\$ 30,532</b>	<b>3%</b>
<b>Operations and Programs Total</b>		<b>\$ 3,767,125</b>	<b>\$ 6,317,672</b>	<b>\$ 5,254,536</b>	<b>5,565,627</b>	<b>\$ 209,530</b>	<b>\$ 3,075,697</b>	<b>\$ 1,212,049</b>	<b>\$ 7,488,741</b>	<b>\$ 114,212</b>	<b>\$ 7,374,529</b>	<b>\$ 1,171,069</b>	<b>19%</b>

**Attachment 3 - DRAFT 2022 Operations & Support Services Budget Summary**

<b>General Operations (1002)</b>						
2021 Activity/Expense	2021 Budget	2021 Estimated Expenditures	2021 Generated Carryover	2022 Activity/Expense	2022 Budget	2021-2022 Budget Change
Staff Expenses	\$ 12,000	\$ 5,000	\$ 7,000	Staff Expenses	\$ 10,000	\$ (2,000)
Manager Expenses	\$ 52,000	\$ 48,000	\$ 4,000	Manager Expenses	\$ 52,000	\$ -
Building and Operating Expenses	\$ 130,000	\$ 130,000	\$ -	Building and Operating Expenses	\$ 183,400	\$ 53,400
Vehicles	\$ 35,000	\$ 35,000	\$ -	Vehicles	\$ 37,000	\$ 2,000
Contracted Services	\$ 50,400	\$ 50,400	\$ -	Contracted Services	\$ 36,000	\$ (14,400)
Accounting & Auditing	\$ 92,000	\$ 94,000	\$ (2,000)	Accounting & Auditing	\$ 99,500	\$ 7,500
Engineering/Consulting	\$ 64,000	\$ 64,000	\$ -	Engineering/Consulting	\$ 66,000	\$ 2,000
Legal	\$ 95,000	\$ 95,000	\$ -	Legal	\$ 95,000	\$ -
Insurance	\$ 85,000	\$ 76,000	\$ 9,000	Insurance	\$ 81,000	\$ (4,000)
Office Building Debt Service	\$ 104,924	\$ 104,924	\$ -	Office Building Debt Service	\$ 104,924	\$ -
Other/Misc Expenses	\$ 45,000	\$ 45,000	\$ -	Other/Misc Expenses	\$ 10,000	\$ (35,000)
Personnel	\$ 312,524	\$ 297,508	\$ 15,015	Personnel	\$ 312,667	\$ 144
<b>Total</b>	<b>\$ 1,077,848</b>	<b>\$ 1,044,832</b>	<b>\$ 33,015</b>		<b>\$ 1,087,491</b>	<b>\$ 9,644</b>
<b>Information Technology (1003)</b>						
2021 Activity/Expense	2021 Budget	2021 Estimated Expenditures	2021 Generated Carryover	2022 Activity/Expense	2022 Budget	2021-2022 Budget Change
Strategic IT Plan	\$ 131,000	\$ 131,000	\$ -	Strategic IT Plan	\$ 50,000	\$ (81,000)
Website redesign	\$ 75,000	\$ -	\$ 75,000	Website redesign	\$ 75,000	\$ -
Contracted Services	\$ 100,000	\$ 90,000	\$ 10,000	Contracted Services	\$ 90,000	\$ (10,000)
IT Equipment	\$ 33,500	\$ 30,000	\$ 3,500	IT Equipment	\$ 30,000	\$ (3,500)
Licenses	\$ 79,750	\$ 75,000	\$ 4,750	Licenses	\$ 90,000	\$ 10,250
<b>Total</b>	<b>\$ 419,250</b>	<b>\$ 326,000</b>	<b>\$ 93,250</b>		<b>\$ 335,000</b>	<b>\$ (84,250)</b>
<b>Facility Maintenance Plan (1005)</b>						
2021 Activity/Expense	2021 Budget	2021 Estimated Expenditures	2021 Generated Carryover	2022 Activity/Expense	2022 Budget	2021-2022 Budget Change
Engineering/Consulting	\$ 10,000	\$ -	\$ 10,000	Engineering/Consulting	\$ 10,000	\$ -
Facility Improvements	\$ 376,000	\$ -	\$ 376,000	Facility Improvements	\$ 376,000	\$ -
<b>Total</b>	<b>\$ 386,000</b>	<b>\$ -</b>	<b>\$ 386,000</b>		<b>\$ 386,000</b>	<b>\$ -</b>

Notes

Realigned, pulling line items from contracted services to more clearly account for building operating expenses

Includes new vehicle purchase per MCWD vehicle replacement policy

See Building and Operating Expenses

Budget will be updated based on new acctg. contract and increased for banking services performed w/ Ops reorg.

Contract expires in December 2021

Adjusted based on 2021 actual expenditure

Adjusted to more accurately reflect past expenditures

IT Plan starts ramping down, 35K for for continued implementation consulting, 15K for possible software acquisition

Website redesign phase II will not occur in 2021 due to program turnover, moved back to 2022

Base managed services (MSP, website hosting, special technology projects, etc.)

Lifecycle replacement of IT equipment (firewall, access points, workstations)

IT system/software licenses & annual maintenance, increased due to new software implemented in 2021

Design revisions and construction oversight

Construction delayed until 2022 due to COVID and landowner negotiations

**Attachment 4 - DRAFT 2022 Permitting Budget Summary**

<b>Permit Administration (2001)</b>						
<b>2021 Activity/Expense</b>	<b>2021 Budget</b>	<b>2021 Estimated Expenditures</b>	<b>2021 Generated Carryover</b>	<b>2022 Activity/Expense</b>	<b>2022 Budget</b>	<b>2021-2022 Budget Change</b>
Engineering	\$ 170,000	\$ 151,566	\$ 18,434	Engineering	\$ 175,000	\$ 5,000
Legal Expense	\$ 45,000	\$ 28,821	\$ 16,179	Legal Expense	\$ 45,000	\$ -
Contract Services	\$ 10,000	\$ 10,000	\$ -	Contract Services	\$ 10,000	\$ -
Staff Mileage/Expenses	\$ 5,000	\$ 2,500	\$ 2,500	Staff Mileage/Expenses	\$ 5,000	\$ -
Staff Training	\$ 10,000	\$ 7,500	\$ 2,500	Staff Training	\$ 10,000	\$ -
Printing/Postage	\$ 5,000	\$ 1,642	\$ 3,358	Printing/Postage	\$ 5,000	\$ -
Equipment & Supplies/Other	\$ 5,000	\$ 2,500	\$ 2,500	Equipment & Supplies/Other	\$ 2,500	\$ (2,500)
Personnel	\$ 468,617	\$ 457,177	\$ 11,440	Personnel	\$ 486,144	\$ 17,527
<b>Total</b>	<b>\$ 718,617</b>	<b>\$ 661,705</b>	<b>\$ 56,912</b>		<b>\$ 738,644</b>	<b>\$ 20,027</b>
<b>Rule Revisions (2007)</b>						
<b>2021 Activity/Expense</b>	<b>2021 Budget</b>	<b>2021 Estimated Expenditures</b>	<b>2021 Generated Carryover</b>	<b>2022 Activity/Expense</b>	<b>2022 Budget</b>	<b>2021-2022 Budget Change</b>
Program Alignment	\$ -	\$ 51,945	\$ (51,945)	Program Alignment	\$ 15,000	\$ 15,000
<b>Total</b>	<b>\$ -</b>	<b>\$ 51,945</b>	<b>\$ (51,945)</b>		<b>\$ 15,000</b>	<b>\$ 15,000</b>

Notes

Calculated based on past multi-year average and year to date spending

Carryover from work contracted in 2019-2020 for legal and engineering support for rule revisions

Attachment 5 - DRAFT 2022 Planning & Projects Budget Summary

Planning & Projects (2002)						
2021 Activity/Expense	2021 Budget	2021 Estimated Expenditures	2021 Generated Carryover	2022 Activity/Expense	2022 Budget	2021-2022 Budget Change
Strategic Planning	\$ 51,500	\$ 51,500	\$ -	Strategic Planning	\$ 25,000	\$ (26,500)
Policy Planning	\$ 5,000	\$ 5,000	\$ -	Policy Planning	\$ 30,000	\$ 25,000
Minnehaha Creek Planning	\$ 125,000	\$ 125,000	\$ -	Minnehaha Creek Planning	\$ 125,000	\$ -
Six Mile Creek-Halsted Bay Planning	\$ 100,000	\$ 100,000	\$ -	Six Mile Creek-Halsted Bay Planning	\$ 125,000	\$ 25,000
Responsive Planning	\$ 75,000	\$ 75,000	\$ -	Responsive Planning	\$ 75,000	\$ -
General Engineering and Legal	\$ 25,000	\$ 40,000	\$ (15,000)	General Engineering and Legal	\$ 25,000	\$ -
Training	\$ 6,300	\$ 3,150	\$ 3,150	Training	\$ 6,300	\$ -
Expenses/Mileage	\$ 7,700	\$ 3,850	\$ 3,850	Expenses/Mileage	\$ 7,700	\$ -
Printing/Publishing/Postage	\$ 2,500	\$ 1,250	\$ 1,250	Printing/Publishing/Postage	\$ 2,500	\$ -
Other/Miscellaneous	\$ 3,000	\$ 3,000	\$ -	Other/Miscellaneous	\$ 3,000	\$ -
Personnel	\$ 777,645	\$ 759,010	\$ 18,635	Personnel	\$ 802,437	\$ 24,792
<b>Total</b>	<b>\$ 1,178,645</b>	<b>\$ 1,166,760</b>	<b>\$ 11,885</b>		<b>\$ 1,226,937</b>	<b>\$ 48,292</b>
Project Maintenance and Land Management (2003)						
2021 Activity/Expense	2021 Budget	2021 Estimated Expenditures	2021 Generated Carryover	2022 Activity/Expense	2022 Budget	2021-2022 Budget Change
Vegetation Maintenance	\$ 175,000	\$ 175,000	\$ -	Vegetation Maintenance	\$ 170,000	\$ (5,000)
Great River Greening Grant Match	\$ 5,000	\$ 5,000	\$ -	Great River Greening Grant Match	\$ -	\$ (5,000)
Stormwater Pond Dredging	\$ 271,500	\$ 21,000	\$ 250,500	Stormwater Pond Dredging	\$ 82,000	\$ (189,500)
Infrastructure Maintenance	\$ 160,000	\$ 60,000	\$ 100,000	Infrastructure Maintenance	\$ 1,365,430	\$ 1,205,430
Property Surveys	\$ 5,000	\$ -	\$ 5,000	Property Surveys	\$ 5,000	\$ -
Routine and Unplanned Maintenance	\$ 10,000	\$ 10,000	\$ -	Routine and Unplanned Maintenance	\$ 10,000	\$ -
Engineering and Legal Expenses	\$ 20,000	\$ 20,000	\$ -	Engineering and Legal Expenses	\$ 20,000	\$ -
Printing and Publishing Materials	\$ 500	\$ 150	\$ 350	Printing and Publishing Materials	\$ 500	\$ -
Staff Expenses, Trainings, and Mileage	\$ 4,000	\$ 2,000	\$ 2,000	Staff Expenses, Trainings, and Mileage	\$ 4,000	\$ -
Equipment and Supplies	\$ 500	\$ 5,700	\$ (5,200)	Equipment and Supplies	\$ 500	\$ -
Personnel	\$ 306,306	\$ 295,805	\$ 10,501	Personnel	\$ 316,782	\$ 10,476
<b>Total</b>	<b>\$ 957,806</b>	<b>\$ 594,655</b>	<b>\$ 363,151</b>		<b>\$ 1,974,212</b>	<b>\$ 1,016,406</b>

Notes

Continuation of 2021 strategic planning discussions (consultant support)

Increased for consultant support with climate planning and TAC engagement

Held flat for Greenway and MPLS continuation

Increased to previous planning levels with new initiatives in pipeline - East Auburn, Turbid-Lundsten, Halsted Bay

2021 expenditures increased for legal counsel related to Schaper mortgage

Used 50% as 2021 expenditure since remote; back to full in 2022

Used 50% as 2021 expenditure since remote; back to full in 2022

Used 50% as 2021 expenditure since remote; back to full in 2022

Twin Lakes Park Pond and Gleason Pond 1 are assumed to require dredging in winter 2022-2023 based on survey results

Budgeting 75% of Preserve boardwalk replacement costs depending on maintenance discussions, not fully reflective of volatility in commodity markets

Used 50% as 2021 expenditure since remote; back to full in 2022

2020 equipment expenditures up due to turbidity rental for CVP, and Air Bubbler for USGS

Attachment 6 - DRAFT 2022 Outreach Budget Summary

Outreach (4002)						
2021 Activity/Expense	2021 Budget	2021 Estimated Expenditures	2021 Generated Carryover	2022 Activity/Expense	2022 Budget	2021-2022 Budget Change
<b>Supporting High-Impact Interpersonal Outreach</b>				<b>Supporting High-Impact Interpersonal Outreach</b>		
Communications advisors	\$ 30,000	\$ 30,000	\$ -	Communications advisors	\$ 30,000	\$ -
Subject matter experts	\$ 5,000	\$ 5,000	\$ -	Subject matter experts	\$ 5,000	\$ -
Creators	\$ 30,000	\$ 30,000	\$ -	Creators	\$ 30,000	\$ -
Government relations	\$ 30,000	\$ 30,000	\$ -	Government relations	\$ 30,000	\$ -
<b>Campaigns for Key Initiatives</b>			\$ -	<b>Campaigns for Key Initiatives</b>		
Events	\$ 15,000	\$ 5,000	\$ 10,000	Events	\$ 15,000	\$ -
Producing and distributing materials	\$ 20,000	\$ 20,000	\$ -	Producing and distributing materials	\$ 20,000	\$ -
Programming	\$ 20,000	\$ 5,000	\$ 15,000	Programming	\$ 20,000	\$ -
Data collection	\$ 5,000	\$ 2,000	\$ 3,000	Data collection	\$ 5,000	\$ -
Volunteer Engagement	\$ 3,000	\$ -	\$ 3,000	Volunteer Engagement	\$ 3,000	\$ -
<b>Broad-based Outreach</b>				<b>Broad-based Outreach</b>		
District-wide publications	\$ 10,000	\$ 5,000	\$ 5,000	District-wide publications	\$ 10,000	\$ -
Website copywriter/photographer	\$ 10,646	\$ -	\$ 10,646	Website copywriter/photographer	\$ 28,000	\$ 17,354
Broad-based engagement	\$ 10,000	\$ 6,000		Broad-based engagement	\$ 10,000	\$ -
<b>Program Administration</b>				<b>Program Administration</b>		
Analytics and tracking	\$ -			Analytics and tracking	\$ -	\$ -
Staff mileage & expenses	\$ 2,000	\$ 1,000	\$ 1,000	Staff mileage & expenses	\$ 2,000	\$ -
Staff training	\$ 5,000	\$ 5,000	\$ -	Staff training	\$ 10,000	\$ 5,000
Legal fees	\$ 3,000	\$ 3,000	\$ -	Legal fees	\$ 3,000	\$ -
Dues & subscriptions	\$ 4,000	\$ 4,000	\$ -	Dues & subscriptions	\$ 4,000	\$ -
Personnel	\$ 198,601	\$ 198,601	\$ (0)	Personnel	\$ 291,665	\$ 93,064
<b>Total</b>	<b>\$ 401,247</b>	<b>\$ 349,601</b>	<b>\$ 51,646</b>		<b>\$ 516,665</b>	<b>\$ 115,418</b>

Notes

In addition to usual services, advisors will also be involved in replacing Outreach Manager

Reflects increased use of contracted creators as part of Outreach Manager transition  
 Joel Carlson government relations contracted moved from Operations in 2021

Primarily for supporting the Watershed Partners and Adopt a Drain programs called for in the strategic outreach plan

A high amount for training - 15K - was budgeted as part of implementing the new program direction, including adopting a presentation, facilitation, and data visualization frameworks. Due to personnel changes, much of this will shift to 2022.

Attachment 7 - DRAFT 2022 Research & Monitoring Budget Summary

Research & Monitoring (5001)						
2021 Activity/Expense	2021 Budget	2021 Estimated Expenditures	2021 Generated Carryover	2022 Activity/Expense	2022 Budget	2021-2022 Budget Change
<b>Watershed-wide Monitoring</b>				<b>Watershed-wide Monitoring</b>		
Assessing long-term change in streams & lakes	\$ 52,400	\$ 52,400	\$ -	Assessing long-term change in streams & lakes	\$ 58,300	\$ 5,900
USGS gauge management & stormwater analysis	\$ 25,230	\$ 25,230	\$ -	USGS gauge management & stormwater analysis	\$ 25,230	\$ -
Responsive monitoring/analysis	\$ 33,500	\$ 33,500	\$ -	Responsive monitoring/analysis	\$ 33,500	\$ -
Dutch Lake inlet monitoring	\$ 800	\$ 800	\$ -	Dutch Lake inlet monitoring	\$ 800	\$ -
Long Lake Creek subwatershed monitoring	\$ 3,100	\$ 3,100	\$ -	Long Lake Creek subwatershed monitoring	\$ -	\$ (3,100)
<b>Minnehaha Creek Subwatershed Monitoring</b>				<b>Minnehaha Creek Subwatershed Monitoring</b>		
325 Blake Road Project Monitoring	\$ 2,000	\$ -	\$ 2,000	325 Blake Road Project Monitoring	\$ -	\$ (2,000)
Arden Park Project Monitoring	\$ 2,000	\$ -	\$ 2,000	Arden Park Project Monitoring	\$ 2,000	\$ -
Minneapolis Project Monitoring	\$ 5,000	\$ -	\$ 5,000	Minneapolis Project Monitoring	\$ -	\$ (5,000)
<b>Six Mile Creek-Halsted Bay Monitoring</b>				<b>Six Mile Creek-Halsted Bay Monitoring</b>		
Six Mile Carp Project Monitoring	\$ 20,000	\$ 20,000	\$ -	Six Mile Carp Project Monitoring	\$ -	\$ (20,000)
District match for LSOHC grant	\$ 11,500	\$ 4,000	\$ 7,500	Ongoing maintenance of Carp Management Project	\$ 5,788	\$ (5,712)
Wetland Diagnostic/Project Support	\$ 10,000	\$ 10,000	\$ -	Wetland Diagnostic/Project Support	\$ -	\$ (10,000)
Wassermann West Project Monitoring	\$ 15,000	\$ 15,000	\$ -	Wassermann West Project Monitoring	\$ 15,000	\$ -
Contract Services	\$ 30,000	\$ 30,000	\$ -	Contract Services	\$ 30,000	\$ -
<b>Dam Optimization &amp; 2D Modeling</b>				<b>Dam Optimization &amp; 2D Modeling</b>		
Pilot Model Build to inform LCCMR Grant	\$ 242,100	\$ 121,050	\$ 121,050	Pilot Model Build to inform LCCMR Grant	\$ 121,050	\$ (121,050)
	\$ -	\$ -	\$ -	District Engineer Support for 2D Model	\$ 15,000	\$ 15,000
	\$ -	\$ -	\$ -	Legal Support for 2D model	\$ 35,000	\$ 35,000
	\$ -	\$ -	\$ -	LCCMR Grant to Build 2D model	\$ 171,000	\$ 171,000
Watershed Machine Learning Modeling	\$ 20,500	\$ 20,500	\$ -	Watershed Machine Learning Modeling	\$ -	\$ (20,500)
Dam Optimization	\$ 34,900	\$ 15,000	\$ 19,900	Dam Optimization	\$ 34,900	\$ -
<b>Program Administration</b>				<b>Program Administration</b>		
Equipment/Supplies	\$ 60,500	\$ 60,500	\$ -	Equipment/Supplies	\$ 30,000	\$ (30,500)
Repairs/maintenance	\$ 5,000	\$ 5,000	\$ -	Repairs/maintenance	\$ 15,000	\$ 10,000
Utilities	\$ 5,000	\$ 5,000	\$ -	Utilities	\$ 10,000	\$ 5,000
Boat Expenses	\$ 5,000	\$ 5,000	\$ -	Boat Expenses	\$ 5,000	\$ -
Publishing/Postage	\$ 2,000	\$ 2,000	\$ -	Publishing/Postage	\$ 2,000	\$ -
Engineering/Consulting	\$ 15,000	\$ 15,000	\$ -	Engineering/Consulting	\$ 15,000	\$ -
Legal	\$ 5,000	\$ 5,000	\$ -	Legal	\$ 5,000	\$ -
Staff Training	\$ 10,000	\$ 1,000	\$ 9,000	Staff Training	\$ 10,000	\$ -
Staff/meeting expenses	\$ 8,000	\$ 8,000	\$ -	Staff/meeting expenses	\$ 8,000	\$ -
Dues/subscriptions	\$ 4,000	\$ 4,000	\$ -	Dues/subscriptions	\$ 4,000	\$ -
Personnel	\$ 499,730	\$ 480,951	\$ 18,778	Personnel	\$ 513,012	\$ 13,282
	\$ 1,127,260	\$ 942,031	\$ 185,228		\$ 1,164,580	\$ 37,320
<b>Six Mile Creek-Halsted Bay Carp Management (5007)</b>						
2021 Activity/Expense	2021 Budget	2021 Estimated Expenditures	2021 Generated Carryover	2022 Activity/Expense	2022 Budget	2021-2022 Budget Change
Lessard-Sams OHC funded activities	\$ 51,000	\$ 117,006	\$ (66,006)	Lessard-Sams OHC funded activities	\$ 44,212	\$ (6,788)
<b>Total</b>	<b>\$ 51,000</b>	<b>\$ 117,006</b>	<b>\$ (66,006)</b>		<b>\$ 44,212</b>	<b>\$ (6,788)</b>

Long Lake Creek only has anchor monitoring in 2022, which is reflected in the "Assessing Long-Term Change in streams and Lakes" line

No foreseeable monitoring costs for Cottageville

Ceasing stormwater monitoring and using data to shift to modeling

LSOHC project complete in 2021

Continued carp removal (in addition to grant-funded work in fund 5007)

Diagnostic work will occur in 2021 and then will move to planning

1) The pilot model will be 50% finished in 2021 and the remainder will be finished by mid-2022. 2) \$15k was added to the project for District Engineer support and \$35k was added for legal expenses to support development of datasharing MOUs for each city.

Reduced budget since 2021 contained many 1 time expenses

Anticipation of equipment repairs

Increased costs for RESNET cellular plans and aeration costs

Continued carp removal using remaining grant funds

**Attachment 8 - DRAFT 2022 Capital Improvement Plan Budget**

Project/Phase for 2022		2021 Carryover Detail							2022 Budget and Revenue		
Fund Code	Project Name	2020 EOY Balance	2021 Budget	2021 Estimated Expenditures	2021 Levy	2021 External Revenue	Assigned (carried to future years)	2021 Carryover	2022 Budget	2022 External Revenue (secured)	2022 Revenue Needs
<b>Responsive CIP</b>											
3500	Responsive CIP	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -
<b>Warranty Phase</b>											
3147	Arden Park Stream Restoration	\$ 204,240	\$ 35,898	\$ 243,254	\$ -	\$ 227,985		\$ 188,971	\$ -		\$ (188,971)
3148	FEMA Flood Repairs	\$ 41,237	\$ 9,000	\$ -			\$ 8,745	\$ 32,492	\$ 8,745		\$ (23,747)
3153	Wasserman West	\$ 143,380	\$ 53,603	\$ 370,522	\$ -	\$ 286,689	\$ 11,700	\$ 47,847	\$ 13,000		\$ (34,847)
3106	Six Mile Marsh Prairie Restoration (Trail)	\$ 192,500	\$ 347,851	\$ 347,851	\$ 172,851			\$ 17,500	\$ 17,500		\$ -
<b>Design/Construction</b>											
3145	325 Blake Stormwater and Demo	\$ 2,468,820	\$ 3,932,070	\$ 713,594	\$ 923,262	\$ 50,000	\$ 52,000	\$ 2,676,488	\$ 3,264,570	\$ 445,000	\$ 143,082
3146	Cottageville Park Phase II	\$ 331,854	\$ 324,954	\$ 27,600	\$ -		\$ 55,854	\$ 248,400	\$ 248,400		\$ -
3150	Meadowbrook Golf Course Restoration	\$ 513,353	\$ 200,673	\$ -	\$ -			\$ 513,353	\$ 200,673		\$ (312,680)
3155	Minneapolis Stormwater	\$ 640,373	\$ 250,000	\$ -	\$ 92,477		\$ 1,250,000	\$ (517,150)	\$ 250,000		\$ 767,150
3152	SWLRT Stream Enhancement	\$ 254,665	\$ 255,000	\$ 12,750	\$ 255,000		\$ 459,000	\$ 37,915	\$ 38,250		\$ 335
3156	Wassermann Internal Load Management	\$ 49,892	\$ 157,950	\$ 126,714	\$ -	\$ 126,714		\$ 49,892	\$ 189,186	\$ 158,006	\$ (18,712)
31XX	Louisiana Trail Greenspace and Stormwater	\$ -							\$ 300,000		\$ 300,000
31XX	Turbid-Lunsten Wetland Restoration	\$ -							\$ 250,000		\$ 250,000
<b>Planning/Concept</b>											
	Boone-Aquila Floodplain	\$ -									\$ -
	East Auburn Wetland Restoration	\$ -									\$ -
	Mud Lake Restoration Phase I	\$ -									\$ -
	Pierson Lake Headwaters Restoration	\$ -									\$ -
	Painter Creek Wetland Restoration (Potato)	\$ -									\$ -
<b>CIP Total</b>		<b>\$5,090,314</b>	<b>\$ 5,566,999</b>	<b>\$ 1,842,285</b>	<b>\$ 1,443,590</b>	<b>\$ 691,388</b>	<b>\$ 2,087,299</b>	<b>\$ 3,295,708</b>	<b>\$ 4,780,324</b>	<b>\$ 603,006</b>	<b>\$ 881,610</b>
2004	Capital Finance Account	\$ 8,942,248	\$ 2,831,750	\$ 2,831,750	\$ 2,666,776	\$ 11,220	\$ 8,673,150	\$ 115,344	\$ 2,758,468	\$ 11,220	\$ 2,631,904
<b>Total</b>		<b>\$14,032,562</b>	<b>\$ 8,398,749</b>	<b>\$ 4,674,035</b>	<b>\$ 4,110,366</b>	<b>\$ 702,608</b>	<b>\$ 10,760,449</b>	<b>\$ 3,411,052</b>	<b>\$ 7,538,791</b>	<b>\$ 614,226</b>	<b>\$ 3,513,513</b>

**Attachment 9 - MCWD Capital Finance (2004)**

Year	Hennepin 2010B	Hennepin 2011A	Hennepin 2013B	Hennepin 2020A (REFI 2010B & 2011A)	Richfield 2013B	Richfield 2020A (REFI 2013B)	Wells Fargo Note 2018 (REFI 2011/2013)	Total Capital Finance Debt Service	Capital Finance Receipts	Transfer In/ Reimbursement	Transfer Out/ Expenditure	Projected Fund Balance
2011	\$ 215,736.81	\$ -	\$ -				\$ -	\$ 215,736.81	\$ 2,500,000.00	\$ -	\$ -	\$ 7,732,216.00
2012	\$ 218,562.50	\$ 319,141.81	\$ -				\$ 648,825.00	\$ 1,186,529.31	\$ 2,500,000.00	\$ -	\$ -	\$ 6,654,292.00
2013	\$ 216,062.50	\$ 333,718.75	\$ 386,182.00				\$ 580,250.00	\$ 1,516,213.25	\$ 2,500,000.00	\$ -	\$ -	\$ 9,706,099.00
2014	\$ 217,312.50	\$ 338,768.75	\$ 461,938.00		\$ 154,847.38		\$ 580,125.00	\$ 1,752,991.63	\$ 2,500,000.00	\$ -	\$ 1,349,156.00	\$ 9,089,010.00
2015	\$ 218,412.50	\$ 341,768.75	\$ 463,538.00		\$ 177,255.00		\$ 1,535,500.00	\$ 2,736,474.25	\$ 2,765,423.00	\$ 510,921.00	\$ -	\$ 9,646,722.00
2016	\$ 219,362.50	\$ 339,368.75	\$ 459,838.00		\$ 174,855.00		\$ 1,999,800.00	\$ 3,193,224.25	\$ 2,795,204.00	\$ -	\$ -	\$ 9,287,628.00
2017	\$ 220,162.50	\$ 336,768.75	\$ 460,988.00		\$ 177,405.00		\$ 2,946,250.00	\$ 4,141,574.25	\$ 3,159,412.00	\$ -	\$ -	\$ 8,447,852.00
2018	\$ 215,812.50	\$ 338,968.75	\$ 461,838.00		\$ 174,905.00		\$ 2,357,000.00	\$ 3,548,524.25	\$ 3,159,412.00	\$ -	\$ 452,096.00	\$ 7,776,677.00
2019	\$ 216,462.50	\$ 340,768.75	\$ 462,387.50		\$ 172,405.00		\$ 1,299,200.00	\$ 2,321,543.00	\$ 3,041,753.00	\$ -	\$ -	\$ 8,496,887.00
2020	\$ 218,462.25	\$ 337,168.75	\$ 462,637.50		\$ 169,905.00		\$ 1,261,800.00	\$ 2,263,552.00	\$ 2,731,600.00	\$ -	\$ -	\$ 8,942,248.00
2021	\$ -	\$ -	\$ 462,587.50	\$ 471,843.75	\$ -	\$ 172,918.50	\$ 1,724,400.00	\$ 2,831,749.75	\$ 2,559,899.00	\$ -	\$ -	\$ 8,670,397.25
2022	\$ -	\$ -	\$ 462,237.50	\$ 479,000.00	\$ -	\$ 148,930.00	\$ 1,668,300.00	\$ 2,758,467.50	\$ 2,750,000.00	\$ -	\$ -	\$ 8,661,929.75
2023	\$ -	\$ -	\$ 460,137.50	\$ 479,000.00	\$ -	\$ 161,380.00	\$ 3,112,200.00	\$ 4,212,717.50	\$ 2,750,000.00	\$ -	\$ -	\$ 7,199,212.25
2024	\$ -	\$ -	\$ 462,937.50	\$ 478,250.00	\$ -	\$ 158,680.00	\$ -	\$ 1,099,867.50	\$ 2,750,000.00	\$ -	\$ -	\$ 8,849,344.75
2025	\$ -	\$ -	\$ 460,537.50	\$ 476,750.00	\$ -	\$ 160,930.00	\$ -	\$ 1,098,217.50	\$ 2,750,000.00	\$ -	\$ -	\$ 10,501,127.25
2026	\$ -	\$ -	\$ 463,037.50	\$ 479,500.00	\$ -	\$ 158,130.00	\$ -	\$ 1,100,667.50	\$ 2,750,000.00	\$ -	\$ -	\$ 12,150,459.75
2027	\$ -	\$ -	\$ 459,375.00	\$ 476,250.00	\$ -	\$ 160,280.00	\$ -	\$ 1,095,905.00	\$ 2,750,000.00	\$ -	\$ -	\$ 13,804,554.75
2028	\$ -	\$ -	\$ 460,600.00	\$ 482,250.00	\$ -	\$ 162,330.00	\$ -	\$ 1,105,180.00	\$ 2,750,000.00	\$ -	\$ -	\$ 15,449,374.75
2029	\$ -	\$ -	\$ 461,600.00	\$ 477,000.00	\$ -	\$ 159,330.00	\$ -	\$ 1,097,930.00	\$ 2,750,000.00	\$ -	\$ -	\$ 17,101,444.75
2030	\$ -	\$ -	\$ 464,300.00	\$ 481,000.00	\$ -	\$ 157,005.00	\$ -	\$ 1,102,305.00	\$ 2,750,000.00	\$ -	\$ -	\$ 18,749,139.75
2031	\$ -	\$ -	\$ 461,550.00	\$ 288,750.00	\$ -	\$ 160,250.00	\$ -	\$ 910,550.00	\$ 2,750,000.00	\$ -	\$ -	\$ 20,588,589.75
2032	\$ -	\$ -	\$ 463,500.00	\$ -	\$ -	\$ 163,280.00	\$ -	\$ 626,780.00	\$ 2,750,000.00	\$ -	\$ -	\$ 22,711,809.75
2033	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 161,120.00	\$ -	\$ 161,120.00	\$ 2,750,000.00	\$ -	\$ -	\$ 25,300,689.75

\*Table run to 2033 to show term of existing debt. Future balances are hypothetical based on assumption of flat levy receipts, for modeling purposes.

\*\*Capital Finance used to strategically maximize capacity for project implementation by (1) servicing debt issued by MCWD partners for capital improvements – distributing capital costs over time and future tax paying beneficiaries, (2) providing flexible and strategic reserves for planned and unplanned opportunities to improve the watershed, and (3) minimizing levy volatility by supporting short term cash flow needs.





**Attachment 11 - DRAFT Transfer Summary**

<b>Fund Code</b>	<b>Fund Name</b>	<b>Transfer In</b>	<b>Transfer Out</b>	<b>Notes</b>
1002	General Operations	\$ 445,670		Transfer of net program carryover to Operations reserves (after funding CIP)
1003	Information Technology		\$ (199,030)	Transfer out of estimated program carryover to CIP
1005	Facility Maintenance Plan		\$ (14,386)	Transfer out of funds in excess of 2022 project budget
2001	Permit Administration		\$ (28,912)	Transfer out of estimated program carryover to CIP
2002	Planning & Projects		\$ (243,199)	Transfer out of estimated program carryover to CIP
2003	Project Maintenance & Land Management		\$ (197,815)	Transfer out of estimated program carryover to CIP
2007	Rule Revisions	\$ 22,047		Reversal of 2020 transfer that was made in error
3145	Blake Road Stormwater Management	\$ 143,082		Transfer in of program carryover to support CIP
3147	Arden Park Stream Restoration		\$ (188,971)	Project complete and fund to be closed
3148	FEMA Flood Repairs		\$ (23,747)	Transfer out of funds in excess of warranty budget
3150	Meadowbrook Golf Course		\$ (312,680)	Transfer out of funds in excess of 2022 project budget
3152	SWLRT Trail Connection	\$ 335		Transfer in of program carryover to support CIP
3153	Wasserman West		\$ (34,847)	Transfer out of funds in excess of warranty budget
3155	Minneapolis Stormwater	\$ 767,150		Transfer in of program carryover to support CIP
3156	Wassermann Internal Load Mgmt		\$ (18,712)	Transfer out of funds in excess of 2022 project budget
31XX	Louisiana Trail Greenspace and Stormwater	\$ 300,000		Transfer in of program carryover to support CIP
31XX	Turbid-Lunsten Weltand Restoration	\$ 250,000		Transfer in of program carryover to support CIP
4002	Outreach		\$ (174,318)	Transfer out of estimated program carryover to CIP
5001	Research & Monitoring		\$ (421,717)	Transfer out of estimated program carryover to CIP
5007	SMC-HB Carp Management		\$ (69,950)	Reversal of 2019 transfer that was made in error
<b>Totals</b>		<b>\$ 1,928,284</b>	<b>\$ (1,928,284)</b>	

## Attachment 12 - MCWD 2022 Compensation Structure\*

Title**	Grade	Min	Mid	Max
District Administrator	21	\$ 102,587.80	\$ 123,105.36	\$ 143,622.92
Project Planning Manager	19	\$ 89,604.16	\$ 107,524.99	\$ 125,445.82
Policy Planning Manager	18	\$ 83,742.21	\$ 100,490.65	\$ 117,239.09
Research and Monitoring Program Manager	17	\$ 78,263.74	\$ 93,916.49	\$ 109,569.24
Outreach Manager	17	\$ 78,263.74	\$ 93,916.49	\$ 109,569.24
Operations Manager	17	\$ 78,263.74	\$ 93,916.49	\$ 109,569.24
Permitting Program Manager	17	\$ 78,263.74	\$ 93,916.49	\$ 109,569.24
Project and Land Manager	17	\$ 78,263.74	\$ 93,916.49	\$ 109,569.24
Planner-Project Manager	16	\$ 73,143.69	\$ 87,772.42	\$ 102,401.16
Hydrologist	15	\$ 68,358.58	\$ 82,030.30	\$ 95,702.02
Aquatic Ecologist	15	\$ 68,358.58	\$ 82,030.30	\$ 95,702.02
GIS Coordinator	15	\$ 68,358.58	\$ 82,030.30	\$ 95,702.02
Policy Planning Coordinator	14	\$ 63,886.53	\$ 76,663.83	\$ 89,441.14
Project and Land Management Technician	13	\$ 59,707.04	\$ 71,648.44	\$ 83,589.85
Office Manager	13	\$ 59,707.04	\$ 71,648.44	\$ 83,589.85
Permitting Technician	12	\$ 55,800.97	\$ 66,961.16	\$ 78,121.35
Research and Monitoring Coordinator	12	\$ 55,800.97	\$ 66,961.16	\$ 78,121.35
Education and Engagement Coordinator	12	\$ 55,800.97	\$ 66,961.16	\$ 78,121.35
Operations Coordinator	11	\$ 52,150.44	\$ 62,580.52	\$ 73,010.61
Research and Monitoring Technician	11	\$ 52,150.44	\$ 62,580.52	\$ 73,010.61
Communications Coordinator	11	\$ 52,150.44	\$ 62,580.52	\$ 73,010.61
GIS Technician	11	\$ 52,150.44	\$ 62,580.52	\$ 73,010.61
Permitting Assistant	9	\$ 45,550.21	\$ 54,660.25	\$ 63,770.30
Research and Monitoring Field Assistant	8	\$ 42,570.29	\$ 51,084.35	\$ 59,598.41

\*Adjusted 1.6% from adopted 2021 pay structure based on Bureau of Labor Statistics Employment Cost Index, per MCWD Compensation Policy

\*\*Table reflects all positions that have been classified since 2018. Not all positions currently exist or are filled within the organizational chart.