

Bassett Creek Watershed Management Commission



2022 Annual Report

Crystal • Golden Valley • Medicine Lake • Minneapolis
Minnetonka • New Hope • Plymouth • Robbinsdale • St. Louis Park



May 2023

Bassett Creek Watershed Management Commission 2022 Annual Report

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Cover photo: Carp removal on Sweeney Lake in 2022.

Bassett Creek Watershed Management Commission

Executive Summary: 2022 Annual Report



2022 Activities & Achievements

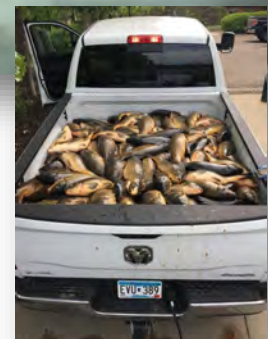
In 2022, the BCWMC continued its work toward fulfilling its mission:
Stewardship of Water Resources to Protect and Enhance Our Communities.

Significant Improvements in Sweeney Lake

Each year, the BCWMC implements one or more major capital improvement program (CIP) projects to protect or improve water resources. In 2022, the [Sweeney Lake Water Quality Improvement Project](#) was completed. The project was partially funded by a Federal 319 grant from Minnesota Pollution Control Agency and resulted in a significant improvement in the lake's clarity and water quality. In fact, the lake will be removed from the list of impaired waters in 2024!



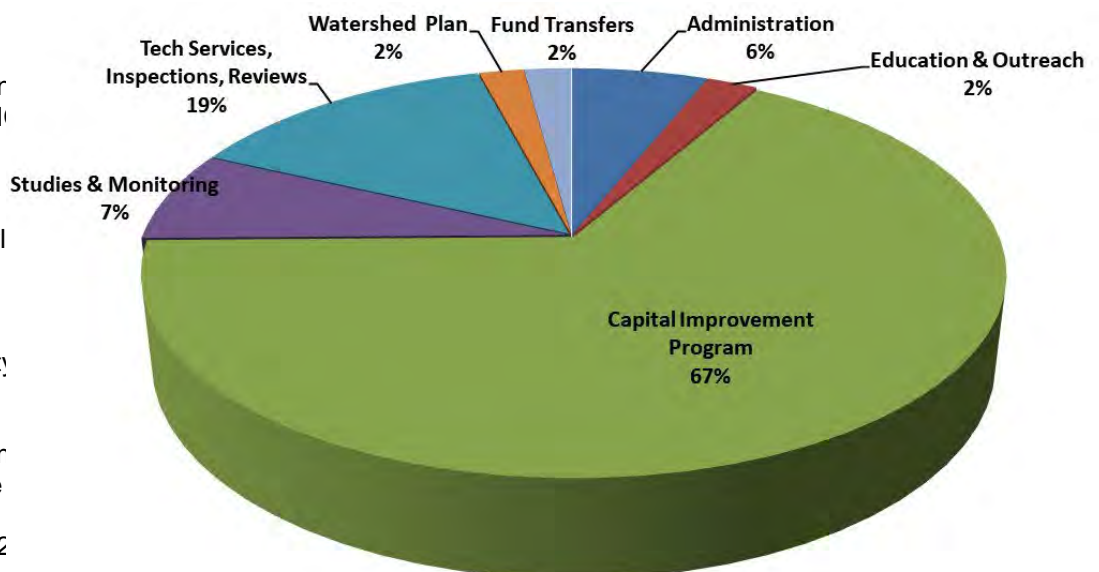
The Sweeney Lake project was a multi-pronged approach that included controlling curly-leaf pondweed, removing over 600 carp from the lake and Schaper Pond immediately upstream, and performing a two-phase alum treatment to lock nutrients in the lakebed. Homeowners around the lake and the City of Golden Valley also contributed to water quality improvements by permanently turning off aerators that resuspended nutrients, and implementing stormwater improvements in the lake subwatershed.



Budget

In FY 2022, the BCWMC spent approximately \$847,000 on activities and programs and \$1.58 million on capital projects. BCWMC income included \$566,000 from member cities, over \$100,000 in grants and reimbursements, and nearly \$90,000 in development review fees. Another \$1.7 million was collected through a Hennepin County tax levy on watershed residents for the capital projects. For an itemization or more information on the BCWMC's 2022 expenditures, see the 2022 Operating Budget in Appendix A or the financial audit online.

2022 BCWMC Expenses



2022 Highlights

The Bassett Creek Watershed Management Commission (BCWMC) is governed by a board composed of representatives from each of the nine member cities: Crystal Golden Valley Medicine Lake Minneapolis Minnetonka New Hope Plymouth St. Louis Park and Robbinsdale. Representatives are appointed by their cities and serve three-year terms.

Construction Progress in Bryn Mawr Meadows Park

In 2022, project designs were completed and construction began on the [Bryn Mawr Meadows Water Quality Improvement Project](#) in Minneapolis. This project is in partnership with the Minneapolis Park and Rec Board and the City of Minneapolis. In conjunction with the Park Board's redevelopment of the park, the BCWMC project includes diverting runoff from a 45-acre residential area west of the park into new stormwater ponds within the park for a total phosphorus reduction of 30 pounds per year. A Clean Water Fund grant is partially funding the BCWMC project.



Monitoring: In 2022, the BCWMC continued to assess its lakes and streams through a robust water monitoring program:

- Assessed the health of **Northwood and Lost Lakes** by collecting data on water quality, plankton, and aquatic plants. Final reports are expected summer 2023.
- Performed the first year of a 2-year monitoring project on **Plymouth Creek** including collecting data on flow, water quality, habitat, and macroinvertebrates. The BCWMC partnered with the City of Plymouth and Three Rivers Park District on that work.
- Performed continuous stream flow and water quality monitoring on **Bassett Creek at the Watershed Outlet Monitoring Program** station in partnership with the Met Council
- Coordinated **volunteers on eight lakes** to collect water samples and data through the Met Council's Citizen Assisted Monitoring Program.

• Hennepin County Chloride Initiative & Low Salt, No Salt Minnesota Campaign

The BCWMC continued its focus on chloride reduction and over salting in 2022 by working with other partners concerned about over salting.



The BCWMC started coordinating the Hennepin County Chloride Initiative (HCCI) in 2021 and led the development of the Low Salt, No Salt Minnesota marketing campaign (LSNS). The LSNS campaign was finalized in 2022 and includes multiple tools for use by watersheds and cities to engage with and educate targeted audiences and properties. Through market-based research, a professional marketing firm developed a campaign title, logo, tagline, presentation, outreach materials, and professionally produced videos. The program is slated to be used by LGUs and the MPCA. www.low-salt-no-salt-mn.org.

HCCI is a partnership of all eleven watershed organizations in Hennepin County, the County, the Minnesota Pollution Control Agency, and many cities from across the county. HCCI's goal was to reduce the amount of chloride entering our waterways from the overuse of winter deicing materials. HCCI used Clean Water Funds through a state grant to collectively address over salting by pooling ideas and resources and promoting common messages and strategies. The HCCI won the Minnesota Watershed's Program of the Year Award in December 2022.

I. Annual Activity Report

This annual report covers the Bassett Creek Watershed Management Commission's (BCWMC) activities for fiscal year 2022 (February 1, 2022—January 31, 2023). The BCWMC Annual Report was prepared to meet the Annual Reporting Requirements as set forth in Minn. Rules Chapter 8410.0150, subparts 1, 2, & 3.

A. 2022 Commissioners

Municipality / Term Expiration	Commissioners	Alternates
Crystal February 1, 2024	Dave Anderson	Vacant
Golden Valley February 1, 2024	Stacy Harwell, Secretary/Treasurer	Jane McDonald Black (Feb 1 – Oct 31) Paula Pentel (starting Nov 1)
Medicine Lake February 1, 2024	Clint Carlson	Gary Holter (Feb 1 – March 6) Shaun Kennedy (starting March 7)
Minneapolis February 1, 2025	Michael Welch, Vice Chair	Jodi Polzin
Minnnetonka February 1, 2025	Maryna Chowhan (starting July 18)	Vacant
New Hope February 1, 2025	Jere Gwin Lenth	Pat Crough (Feb 1 – March 12) Jen Leonardson (starting April 11)
Plymouth February 1, 2023	Catherine Cesnik, Chair	Monika Vadali
Robbinsdale February 1, 2023	Wayne Sicora	Vacant
St. Louis Park February 1, 2023	Vacant	Angela Lawrence

B. BCWMC Staff and Consultants

Administrator

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(February 17 – July 31)

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C. Mission Statement, MAWD Membership, Watershed Management Plan, Goals

The mission statement of the BCWMC is *the stewardship of water resources to protect and enhance our communities.*

In 2019, the BCWMC became a member of the Minnesota Association of Watershed Districts (MAWD) and continued their participation in 2022. The BCWMC Administrator and Commissioner Welch regularly attended Metro MAWD meetings. Chair Cesnik and Alternate Commissioner Hauer were appointed as delegates for the 2022 MAWD Annual Meeting. Vice Chair Welch was appointed as alternate delegate. Administrator Jester also attended the MAWD Annual Meeting. Administrator Jester also participated on the MAWD Handbook Committee.

The [2015 Bassett Creek Watershed Management Plan](#) (Plan) was adopted in September 2015. The annual implementation program (Table 5-4 in Plan), Capital Improvement Program (Table 5-3 in Plan), monitoring program (Appendix A in Plan), and education and outreach program (Appendix B in Plan) are being implemented and progress is being documented and evaluated.

The BCWMC's goals, as stated in its *2015 Watershed Management Plan*, fall under the categories of water quality, flood control, erosion and sediment control, stream restoration, wetland management,

groundwater, public ditches, and public involvement and information. The list of nineteen goals can be found in Section 4 of the Watershed Management Plan.

Minor amendments to the Plan were adopted in 2017, 2018, and 2020 to revise requirements for development or redevelopment of linear projects and to update the Capital Improvement Program (CIP) (Table 5-3 in Plan). There were no plan amendments in 2022, however, Table 2-9 was updated to incorporate new flood profiles and Appendix H was updated with new project review fees. The watershed management plan and explanations of all amendments are kept updated online at: <https://www.bassettcreekwmo.org/document/wmp-plans>.

D. 2022 Activities

The BCWMC implemented the following projects and programs in 2022. Work associated with review of development proposals is listed in Section E. Work related to water monitoring is found in Section F.

1. Capital Improvement Program (CIP)

The BCWMC continued to implement its capital improvement program. The complete 10-year CIP can be found in Table 5-3 in Section 5.0 of the 2015 Watershed Management Plan. Information, photos, related documents (including final reports of completed projects), and progress on projects can be found at: <http://www.bassettcreekwmo.org/projects>. In 2022, progress on CIP projects included:

- FEASIBILITY STUDIES UNDERWAY: Feasibility studies for the [Ponderosa Woods Stream Restoration Project](#) in Plymouth and [the Bassett Creek Main Stem Restoration Project](#) in Golden Valley got underway in 2022. Field and desktop assessments were completed and plans for public engagement began.
- IMPLEMENTATION COMPLETED: The [Sweeney Lake Water Quality Improvement Project](#) was awarded a federal 319 grant through the Minnesota Pollution Control Agency to treat curly-leaf pondweed, manage and remove carp, and perform an alum treatment on Sweeney Lake. Work began in 2020 curly-leaf pondweed treatment, carp removal and an alum treatment. Long term carp management options were evaluated in 2021; carp assessments and panfish stocking were completed 2022. A final project report is available on the project website. The Schaper Pond Diversion Project funding continues to be used to further assess carp populations in Schaper Pond (immediately upstream of Sweeney Lake).
- DESIGN & CONTRACTING COMPLETE; CONSTRUCTION UNDERWAY: Final design and permitting for the [Main Stem Lagoon Dredging Project](#) were completed in 2022 along with contracting with Fitzgerald Excavating and Trucking, Inc. Construction got underway in January 2023 and was completed in March 2023. Watershed Based Implementation Funding from the Clean Water Fund will be utilized for this project, along with a Hennepin County Opportunity Grant.
- CONSTRUCTION COMPLETE; CHLORIDE ASSESSMENTS CONTINUE: Construction of the drainage improvement piece of the [Parkers Lake Drainage Improvement and Chloride Reduction Project \(PL-7\)](#) was completed in 2022. In collaboration with the Hennepin County Chloride Initiative and

the city of Plymouth, potential chloride reduction measures through the use of structural best practices were evaluated in 2021 and a final technical memo was presented in 2022. The Commission is now evaluating methods to remove chloride-laden water from the lake.

- CONSTRUCTION COMPLETE: The [Mt. Olivet Stream Restoration Project \(ML-20\)](#) was constructed during the winter of 2021/2022. A final report is pending.
- CONSTRUCTION UNDERWAY: Designs were completed and construction began on the [Bryn Mawr Meadows Water Quality Project](#) in Minneapolis. Construction is expected by fall 2023. This project received a Clean Water Fund grant in 2020.
- CONSTRUCTION UNDERWAY: Designs were completed and construction began on the [Medley Park Stormwater Facility Project](#) in Golden Valley. Construction will be completed in 2023.
- DESIGNS COMPLETED: Final designs for the [SEA School-Wildwood Flood Reduction Project](#) in Golden Valley were completed in October 2022. Construction is expected to begin in 2023.
- PROJECT COMPLETED: Construction of the [Main Stem Erosion Repair Project in Minneapolis](#) near the Fruen Mill and downstream of Cedar Ave. was completed in December 2020. Vegetation establishment and management began 2021 and will continued in 2022. A final project report was approved in February 2022.
- PROJECT COMPLETED: Construction of the [DeCola Ponds B & C Improvement Project](#) in Golden Valley was completed in 2020. Vegetation establishment and management began 2021 and continued in 2022. A final report is pending.

2. Grant Administration

- Awarded and completed work plan and grant agreement for Clean Water Fund grant for Medley Park Stormwater Improvement Project.
- Submitted interim reports and quarterly invoices Federal 319 grant through MPCA for Sweeney Lake Water Quality Improvement Project.
- Submitted interim reports for Lawns to Legumes Neighborhood Demonstration grant projects implemented through Metro Blooms.
- Submitted interim reports for Clean Water Fund grant for Bryn Mawr Meadows Water Quality Improvement Project.
- Submitted interim reports for Metro Watershed Based Implementation Funding for Main Stem Lagoon Dredging Project.

- Coordinated the Hennepin County Chloride Initiative funded with Metro Watershed Based Funding and assisted with grant reporting, including the final report.
- Submitted final report to Hennepin County for the Emergency Response Fund grant for the Main Stem Erosion Repair Project

3. Citizen Participation

The BCWMC encourages citizen participation, including providing an opportunity at each monthly BCWMC meeting for the Commission to hear citizen-input about agenda and non-agenda items. Due to the COVID-19 pandemic, all meetings were held virtually until April 2022. Starting in April, Commission meetings returned to fully in person. (It should be noted that virtual meetings had more public participation.) The BCWMC posts its meeting calendar, upcoming meeting agendas, meeting materials, and previous meeting minutes on its website (www.bassettcreekwmo.org) to provide citizens an opportunity to attend BCWMC and BCWMC Committee meetings and to monitor BCWMC actions.

4. Intern from Dougherty Family College

The BCWMC worked with Dougherty Family College within St. Thomas University to hire an intern to assist with various tasks and activities in the watershed. The intern, Juan del Valle, was station at Golden Valley city hall with city engineering and water resources staff and worked about 18 hours a week for 12 weeks over the summer months.

5. Annual Report, Website and Social Media

The BCWMC prepared the 2021 Annual Report as set forth in the Minnesota Rules Chapter 8410.0150. The report was submitted to the Board of Water and Soil Resources and is available online at the Bassett Creek Watershed Management Commission website at <http://www.bassettcreekwmo.org/document/annual-report-budget>.

The BCWMC regularly maintained and updated its website which features easily accessed data and information on the priority lakes and streams and BCWMC Capital Improvement Projects, along with a meeting and event calendar, interactive maps, and a document library. The BCWMC contracts with HDR, Inc. to host the website and provide technical assistance, as needed. (Appendix C includes website analytics.)

The BCWMC Facebook page was not utilized in 2022 due to unresolved issues with page administration rights and access. A social media expert was consulted for assistance but the issue remains unresolved.

6. Water Quantity

The BCWMC continued its lake- and stream-gauging program. The lake-gauging program consisted of collecting lake-level readings at Medicine Lake, Sweeney Lake, Parkers Lake, Westwood Lake, Crane Lake (Ridgedale Pond), Northwood Lake and the Theodore Wirth Park storage area (upstream of the Highway 55 control structure). Lake levels were measured once per month through October.

The stream-gauging program consisted of periodically surveying stages or inspecting the creek during periods of high flow. The BCWMC also participated with the Metropolitan Council on the watershed outlet monitoring program (WOMP) designed to continuously monitor flow and water quality.

7. Flood Control Project Inspections

In October 2022, the BCWMC performed its annual Flood Control Project inspections. The conditions of the flood control features were inspected, and erosion, settlement, sedimentation, and structural issues were recorded, compiled into a report dated October 21, 2022, and reported to the Commission at its November 2022 meeting. The BCWMC distributed its findings and recommendations to the Minnesota Department of Natural Resources, the U.S. Army Corps of Engineers (Corps), and staff at the BCWMC member cities.

The BCWMC double box culvert was inspected October 2019 and is next scheduled to be inspected during 2024. The BCWMC deep tunnel (3rd Ave. tunnel and 2nd St. tunnel) was inspected October 2020. The 3rd Ave tunnel and unsubmerged portions of 2nd St. tunnel are next schedule to be inspected (non-NASSCO reporting) during 2025. The deep tunnel is scheduled to be dewatered and fully inspected (NASSCO reporting) during 2030.

8. XP-SWMM Modeling (Phase II Project, FEMA Modeling Project, 2021 Update Project)

In 2017, the BCWMC completed their XP-SWMM Phase 2 hydrologic and hydraulic model by further dividing subwatersheds, incorporating upstream storage in ponds and wetlands, adding associated storm sewer data, using new soils data, incorporating Atlas 14 precipitation data, adjusting vertical datum's, performing flow monitoring, calibrating the model, and preparing a report. The 2015 Watershed Management Plan was updated to reflect the new floodplain elevations and a fact sheet was developed about the modeling project and updated floodplain elevations.

In 2018 the MnDNR used federal grant funds and entered an agreement with the BCWMC to update the Federal Emergency Management Agency (FEMA) hydrologic and hydraulic modeling by leveraging the XP-SWMM Phase 2 model and creating the supporting GIS files for the Bassett Creek watershed. Updates to the XP-SWMM Phase 2 model were completed in early 2018 before beginning the FEMA modeling update. In October 2019, the Interagency Hydrology Review Committee approved the updated model. In January 2020, the BCWMC executed an amendment to their grant agreement and work scope with the MnDNR to perform additional work and extend the schedule. The project continued through March 2021, and included finalizing the modeling to reflect hydraulics comments received from MnDNR and the cities, developing a preliminary floodway model and summary of results (floodway modeling to be completed by the MnDNR), creating preliminary FEMA mapping deliverables including depth grid, mapping cross-sections, and inundation mapping, performing work in support of community meetings, and following up with the MnDNR and cities regarding modeled storage associated with the upland areas that are not part of the BCWMC trunk system. The MnDNR will develop the final FEMA mapping and associated deliverables.

Because the FEMA model will not be finalized for some time and only reflects watershed conditions through 2018, the Commission (at their August 19, 2021 meeting) directed the Commission Engineer to begin updating the BCWMC’s XPSWMM model in 2021, starting with the FEMA model. In late 2021, the BCWMC requested that the member cities compile and provide construction plans/permit information related to significant projects implemented between 2018-2021 that are located along the BCWMC trunk system or within the watershed to be incorporated into the XP-SWMM model. The information provided by the cities was reviewed and significant projects were incorporated into the model in the first part of 2022. The results were discussed with the TAC in June and again in July 2022. The BCWMC adopted the 2021 updated XPSWMM model in August 2022.

9. Development Proposals

The following table shows the number of BCWMC development proposals reviewed for conformance to BCWMC policies (including applications submitted in previous years but reviewed during the current year). The BCWMC also reviewed multiple MnDNR appropriations/dewatering permit applications.

Development Proposals Reviewed per Year

2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
37	40	38	28	38	44	44	38	35	41

See Section E: Project Reviews.

10. Review and Adoption of Municipal Plans and Adjacent WMO Plans/Plan Amendments

In 2018 and 2019, the BCWMC reviewed and approved the local water management plans of all nine member cities, each by resolution and determined that each plan was prepared in accordance with the requirements of Minnesota Statutes, Section 103B.235 and Minnesota Rules, Parts 8410.0160 and 8410.0170, and that they contained the requirements for a local plan, and were consistent with the Commission’s water management plan. In January 2023, the BCWMC reviewed and commented on the 60-day draft of the 2023 – 2032 Shingle Creek West Mississippi Watershed Management Commission Watershed Management Plan.

City	Date Approved	BCWMC Resolution No.
Crystal	12/20/18	18-10
Golden Valley	9/20/18	18-06
Minneapolis	11/14/18	18-09
Minnetonka	12/20/18	18-11

New Hope	11/14/18	18-07
Plymouth	11/14/18	18-08
Medicine Lake	2/21/19	19-05
Robbinsdale	2/21/19	19-04
St. Louis Park	3/21/19	19-08

11. Watershed Boundary Change

In fall 2022, the Shingle Creek Watershed Management Commission (SCWMC) requested changes to some areas along its boundary with the BCWMC to better reflect actual hydrology. The Commission Engineer and affected member cities reviewed and commented on the proposed revisions and worked to finalize the revised boundary with SCWMC. In November 2022, the BCWMC approved Resolution 22-10 concurring with the boundary changes.

12. Aquatic Plant Management and Aquatic Invasive Species

In 2022, the Commission continued to implement the approved [recommendations of the APM/AIS committee](#) and the [AIS Rapid Response Plan](#) by 1) partnering with Three Rivers Park District (TRPD) to control curly-leaf pondweed in Medicine Lake, 2) providing funds for augmented boat inspections by TRPD on Medicine Lake, and 3) monitoring waterbodies for AIS suitability parameters. In 2022, the MnDNR approved a Lake Vegetation Management Plan for Medicine Lake that provides a 5-year variance to perform herbicide treatments greater than 15% of the littoral area with herbicides to control curly-leaf pondweed.

13. Technical Advisory Committee

Technical Advisory Committee meetings are open to the public and the meeting times and dates are posted on the BCWMC’s website. The BCWMC Technical Advisory Committee (TAC) met six times in 2022 to review and work on the items below. TAC members also regularly attend and participate in regular monthly Commission meetings.

- Develop the 2024 – 2028 Capital Improvement Program list using the CIP Prioritization matrix and hot spot map to target the best projects
- Review results of FEMA Modeling/Mapping Project and discuss management of flood storage areas
- Review costs for Flood Control Project inspections

- Provide input on challenging issues related to 2015 Watershed Management Plan development including linear project standards, chloride pollution, and climate resiliency
- Select city representatives for Watershed Based Implementation Funding convene meetings
- Provide recommendations on updates to project review fees and minor updates to Requirements Document
- Provide input on watershed boundary update with Shingle Creek WMC

14. Impaired Waters and Total Maximum Daily Loads (TMDL) Studies

The following water bodies in the Bassett Creek Watershed are listed in the Minnesota Pollution Control Agency’s (MPCA) 2020 “*Inventory of Impaired Waters*”. The inventory includes listings of (1) impaired waters that require the development of a TMDL study, (2) impaired waters that have an approved TMDL study, but are not yet meeting water quality standards, and (3) impaired waters from natural causes that do not require a TMDL study. The inventory is available at the MPCA’s Impaired Waters website: <http://www.pca.state.mn.us/water/tmdl/tmdl-303dlist.html>.

Water Body (Lake/River ID #)	Pollutant or Stressor (Year of Listing)
Bassett Creek from Medicine Lake to Mississippi River (07010206-538)	Fish bioassessments (2004) Fecal coliform (2008) Chloride (2010)
Plymouth Creek from Headwaters to Medicine Lake (07010206-526)	E. coli (2014) Chloride (2014)
North Branch Bassett Creek from Northwood Lake to Bassett Creek (07010206-552)	E. coli (2014)
Sweeney Lake (27-0035-01)	Nutrient/Eutrophication Biological indicators (2004) Chloride (2014)
Wirth Lake (27-0037-00)	Nutrient/Eutrophication Biological indicators (2002) – REMOVED from Impaired Waters List (2014) Mercury in fish tissue (1998) ¹ Chloride (2016)
Medicine Lake (27-0104-00)	Nutrient/Eutrophication Biological indicators (2004) Mercury in fish tissue (1998) ¹
Parkers Lake (27-0107-00)	Mercury in fish tissue (1998) ¹ Chloride (2014)
Spring Lake (27-0654-00)	Chloride (2014)
Northwood Lake (27-0627-00)	Nutrient/Eutrophication Biological indicators (2004)

¹ The MPCA completed a statewide mercury TMDL that was approved 2007

- **Bassett Creek Fish Bioassessment Listing**—In the Final EPA-Approved MPCA 2004 CWA 303(d) *List of Impaired Waters*, the Main Stem of Bassett Creek, from Medicine Lake to the Mississippi River, was listed as impaired for fish (biota). In response to this listing, the MPCA completed fish sampling of the creek in 2008. The MPCA is currently reviewing the existing biota standards/listing criteria. The TMDL will be completed as part of the future watershed-wide TMDL.
- **Bassett Creek Fecal Coliform Listing and E. coli listings for Plymouth Creek and North Branch, Bassett Creek**—In the 2008 *Final TMDL List Inventory of all Impaired Waters*, Bassett Creek, from Medicine Lake to the Mississippi River, was listed as impaired for fecal coliform. In response to this listing, the BCWMC and the MPCA cooperated in collecting and analyzing E. coli samples of Bassett Creek between July 2008 and June 2010. The samples confirmed the presence of E. coli bacteria. The Bassett Creek watershed is included in the Upper Mississippi River Bacteria TMDL project. Additional data for the Upper Mississippi River E. coli TMDL was collected in 2010 and 2011, and identification of the likely sources of bacteria pollution began in 2011 and continued in 2013. The TMDL report was approved in 2016 and included impairments for E. coli in Plymouth Creek and North Branch, and Bassett Creek. The Upper Mississippi River E. coli TMDL project website maintained by the MPCA is at <https://www.pca.state.mn.us/water/tmdl/upper-mississippi-river-bacteria-tmdl-project>.
- **Sweeney Lake TMDL Study and Delisting of Impairment** —In the *Final EPA-Approved MPCA 2004 CWA 303(d) List of Impaired Waters*, Sweeney Lake was listed as impaired due to excess nutrients (phosphorus). The TMDL was approved on August 10, 2011. Since then, the BCWMC, City of Golden Valley, and lake residents implemented multiple strategies to reduce nutrients in the lake including permanently turning off year-round aerators and completing the [Sweeney Lake Water Quality Improvement Project](#). That project included control of curly-leaf pondweed, carp assessment and removal, and a two-phase alum treatment. Water quality improved significantly and the lake is slated to be removed from the impaired waters list in 2024.
- **Wirth Lake TMDL Study and Delisting of Impairment** —In the *Final EPA-Approved MPCA 2004 CWA 303(d) List of Impaired Waters*, Wirth Lake was listed as impaired due to excess nutrients. The Wirth Lake TMDL and implementation plan were approved October 25, 2010. The implementation plan identified one project—modifying the Wirth Lake outlet structure to prevent flow from Bassett Creek to Wirth Lake during flood periods. The [Wirth Lake Outlet Modification Project](#) was completed in 2012 with partial funding from a BWSR Clean Water Fund grant. The project reduces phosphorus loading to the lake by an estimated average of 55 pounds per year. MPCA removed Wirth Lake from the Impaired Waters list in July, 2014.
- **Medicine Lake TMDL Study**—In the *Final EPA-Approved MPCA 2004 CWA 303(d) List of Impaired Waters*, Medicine Lake was listed as impaired due to excess nutrients (phosphorus). The TMDL and implementation plan were approved on February 8, 2011.
- **Twin Cities Metro Area (TCMA) Chloride Project** —In the 2014 *Draft TMDL List Inventory of all Impaired Waters*, MPCA proposed several new impairment listings for chloride in September, 2013. Following responses to comments from BCWMC, five listings (tabulated above) remained on the 2014 Proposed Impaired Waters List (updated 4/15/2014). Based on the available monitoring data for chloride, three BCWMC water bodies—Northeast drainage to Medicine Lake, the

Rockford Road drainage to Medicine Lake and Medicine Lake, were placed in a category of high-risk waters, which can be viewed as a watch list for future changes. The Twin Cities Metropolitan Area Chloride TMDL and Chloride Management Plan were approved in 2016. The TCMA Chloride Management Plan is intended to balance the public safety needs for deicing with attainment of the chronic and acute water quality standards for chloride. (The BCWMC provided comments on the draft TMDL Report and Chloride Management Plan in August 2015.) The management plan includes a performance-based approach for meeting chloride TMDLs and is also intended to protect water bodies with water quality that is currently better than the standard. A winter maintenance assessment tool was developed to support TMDL implementation efforts. The Chloride TMDL and road salt/water quality project website maintained by the MPCA is at <https://www.pca.state.mn.us/water/road-salt-and-water-quality>.

- **TMDL Implementation Reporting** Although the BCWMC is not a MS4, the Wirth Lake, Medicine Lake, and Sweeney Lake TMDLs assigned the BCWMC a role in the implementation of the TMDLs. For example, the Medicine Lake TMDL calls for the BCWMC to serve as the “convener of action for the categorical TMDL, but not as a responsible entity.” The BCWMC’s interpretation of this role is that the BCWMC should track implementation of the TMDLs, which would likely include the following tasks:
 - Assisting cities with reporting on TMDL implementation activities to the MPCA. TMDL progress reports will be due one year after the MPCA issues the new MS4 permit. However, the new MS4 permit was not issued in 2012, so the BCWMC did not develop the implementation reports. The new MS4 permit became effective on August 1, 2013, which means the TMDL progress reports will be due each year after that, in June.
 - Estimating and reporting progress towards achieving the assigned wasteload allocations. The BCWMC’s watershed P8 model, originally completed in 2013 and updated semi-annually, is an essential tool for estimating reductions in phosphorus loading.
 - Monitoring lake water quality on an annual basis. See Section F “Water Quality Monitoring Data and Studies” regarding monitoring of these lakes in 2022.
 - Tracking implementation of projects and quantifying progress towards meeting the TMDL allocations for the MS4s in the impaired watersheds.

E. BCWMC Project Reviews

The following table includes review of development proposals, Wetland Conservation Act submittals, and other plans that were submitted to the BCWMC for review. The list does not include review of capital improvement projects, and review of MnDNR appropriations/ dewatering permits.

Proposed Projects Reviewed by BCWMC in FY 2022 ¹

Application Form	Project Name	Date Submitted	City	Type
2020-28	Currie Commons	11/30/2020	MPLS	Multi-residential
2021-09	Meadowbrook ES Parking Lot Imp	4/26/2021	GV	Commercial/ Industrial/ Institutional
2021-11	Ply Creek Parking Lot Reconstruction	5/25/2021	PLY	Street/ Hwy/ Trails/ Utility/ Municipal
2021-30	Ridgedale Sears Redev. - Dicks Sports	11/22/2021	MTKA	Commercial/ Industrial/ Institutional
2021-33	Wirth on the Woods	1/10/2022	MPLS	Multi-residential
2021-35	Plymouth 2022 Street Recon Project	1/10/2022	PLY	Street/ Hwy/ Trails/ Utility/ Municipal
2021-36	Peninsula Rd Street & Utility Imp.	1/21/2022	ML	Street/ Hwy/ Trails/ Utility/ Municipal
2021-37	4900 Killarney Dr Shoreline Restoration	2/4/2022	GV	Single-family Home
2021-38	Parkera Plymouth (Dundee Nursery Redevelopment)	2/21/2022	PLY	Commercial Multi-residential
2022-01	Century Townhomes	1/31/2022	MPLS	Multi-residential
2022-02	Morries Hundai Addition	3/9/2022	SLP	Commercial/ Industrial/ Institutional
2022-03	2022 Vicksburg Lane Imp.	2/28/2022	PLY	Street/ Hwy/ Trails/ Utility/ Municipal
2022-04	Bryn Mawr Meadows Park Imp.	4/15/2022	MPLS	Street/ Hwy/ Trails/ Utility/ Municipal
2022-05	Bassett Creek Dog Park	3/29/2022	CRY	Street/ Hwy/ Trails/ Utility/ Municipal
2022-06	West Health Parking Lot Expansion	4/11/2022	PLY	Commercial/ Industrial/ Institutional
2022-07	Hwy 55 & Hwy 169 Apartments	4/7/2022	PLY	Multi-residential
2022-08	Bassett Creek Park Ped Bridge Imp	8/31/2022	CRY	Street/ Hwy/ Trails/ Utility/ Municipal

Application Form	Project Name	Date Submitted	City	Type
2022-09	Spire Credit Union	5/13/2022	GV	Commercial/ Industrial/ Institutional
2022-10	Vicksburg Ridge 2nd Addition	5/6/2022	PLY	Single-family Subdivision
2022-11	2400 Xenium Erosion Control Plan	5/27/2022	PLY	Commercial/ Industrial/ Institutional
2022-12	Perpich Center Sidewalk	7/11/2022	GV	Street/ Hwy/ Trails/ Utility/ Municipal
2022-13	Brookview Golf Course Streambank Stabilization	8/9/2022	GV	Street/ Hwy/ Trails/ Utility/ Municipal
2022-14	Plymouth 2022 Pond Maintenance	9/15/2022	PLY	Street/ Hwy/ Trails/ Utility/ Municipal
2022-15	The Mera Development	9/8/2022	SLP	Multi-residential
2022-16	Golden Valley Business Center (Demotion & Remediation)	9/26/2022	GV	Commercial/ Industrial/ Institutional
2022-16A	Golden Valley Business Center	10/7/2022	GV	Commercial/ Industrial/ Institutional
2022-17	Medicine Lake Lift Station Rehab	10/27/2022	ML	Street/ Hwy/ Trails/ Utility/ Municipal
2022-18	Four Seasons Mall Demolition	10/11/2022	PLY	Commercial/ Industrial/ Institutional
2022-19	Courage Kenny Center-Bridge Removal	11/14/2022	GV	Commercial/ Industrial/ Institutional
2022-20	Plymouth Kwik Trip #411	11/14/2022	PLY	Commercial/ Industrial/ Institutional
2022-21	TH 55 Frontage Rd Pedestrian Tunnel	11/28/2022	GV	Street/ Hwy/ Trails/ Utility/ Municipal
2022-22	650 Ottawa Ave GV Redevelopment (Tesla Dealer)	11/30/2022	GV	Commercial/ Industrial/ Institutional
2022-23	Golden Valley 2023 PMP	12/14/2022	GV	Street/ Hwy/ Trails/ Utility/ Municipal
2022-24	Pymouth Creek Stabilization	11/4/2022	PLY	Street/ Hwy/ Trails/ Utility/ Municipal
2022-25	Suite Living Plymouth	1/9/2023	PLY	Commercial/ Industrial/ Institutional
2022-26 ²	Crystal 2023 Utility Reconstruction	2/13/2023	CRY	Street/ Hwy/ Trails/ Utility/ Municipal

Application Form	Project Name	Date Submitted	City	Type
2022-27 ²	BNSF Bridge Replacement	3/27/2023	MPLS	Commercial/ Industrial/ Institutional

¹Projects in **bold** were presented for review and comment at a BCWMC meeting.

²Preliminary review performed during 2022 fiscal year

Non-Fee Project Reviews

MnDNR permit applications: eleven MnDNR permit applications were reviewed.

Preliminary review: several preliminary reviews of projects prior to submittal of a formal application were performed as directed by the BCWMC administrator and city staff.

250 Fremont Avenue North: The City of Minneapolis requested the BCWMC to provide comments for a multi-residential project that was located outside the BCWMC jurisdictional boundary but within BCWMC floodplain.

North Loop Green Phase III: In 2021, a developer in Minneapolis proposed to construct a building over a key access shaft into the Bassett Creek tunnel. The proposed building was directly over a portion of the Bassett Creek tunnel and the drop shaft from the double box culvert to the 3rd Ave. tunnel. Over the course of 2021 and into 2022, the BCWMC engineer, attorney, and administrator participated in several meetings with city staff and the developer regarding impacts to tunnel access and alternatives for accessing the tunnel. Ultimately, the access plan included replacing the existing cover over the 12 ft. x 20 ft. shaft opening and installing a trolley hoist system to deliver materials and equipment into the tunnel when necessary. The developer also designed the building to prevent additional loading on the existing Bassett Creek tunnel system. The city and developer prepared an amendment to the underground storm water sewer easement agreement for future tunnel access.

F. Water Quality Monitoring Data and Studies

The following water quality monitoring and water quality studies were performed in 2022:

- Citizens Assisted Lake Monitoring Program (CAMP)** — The BCWMC participated with the Metropolitan Council Environmental Services (MCES) in its citizen-assisted lake-monitoring program (CAMP). In 2022, citizen volunteers monitored the following lakes: Twin Lake and Sweeney Lake in Golden Valley, Northwood Lake in New Hope, two sites on Medicine Lake in Medicine Lake and Plymouth, Parkers Lake, Cavanaugh Lake, and Lost Lake in Plymouth, and Westwood Lake in St. Louis Park. Reports that include CAMP monitoring results can be found on the Met Council website at: <https://metro council.org/Wastewater-Water/Services/Water-Quality-Management/Lake-Monitoring-Analysis.aspx?source=child>

- Bassett Creek WOMP Station** —Stream monitoring was performed in cooperation with the Metropolitan Council Environmental Services (MCES) as part of the stream monitoring and watershed outlet monitoring program (WOMP). The BCWMC contracts with Stantec to perform monitoring activities and Barr Engineering to take flow measurements at this station. 2022 was the second full year for the new monitoring station at the Van White Memorial Blvd. crossing. The station was relocated in late 2020 due to construction of streambank restoration and sanitary sewer projects at the original location. In 2022, the MCES installed a shelter, autosampler, conductivity/temperature sensor, combination solar panel/wind turbine battery charger, and a modem for remote communication. A new rating curve was developed, and daily average flow data were calculated. Further refinement of the rating curve will continue in 2023. Bi-weekly grab samples and event based auto-discrete samples were collected, including temperature, conductivity, and dissolved oxygen spot measurements during grab sampling. Stage, conductivity, and temperature were recorded on a continuous basis (15-minute interval). Manual flow measurements were taken every six weeks, plus a few additional flow measurements for the new rating curve as flow conditions dictated. A macroinvertebrate survey was conducted in 2022 upstream of the Van White Memorial Blvd crossing. <http://www.metrocouncil.org/Wastewater-Water/Services/Water-Quality-Management/Stream-Monitoring-Assessment.aspx?source=child>
- BCWMC Stream Monitoring** – In 2022, the Commission completed its first of two years of monitoring on Plymouth Creek. The Commission began this stream monitoring program 2018 to more fully assess the flow and water quality in its major creeks. The Commission installed seasonally-permanent monitoring equipment on Plymouth Creek in Plymouth in 2022. Both grab and composite water samples were collected and analyzed for nutrients, solids, bacteria, chlorides, dissolved oxygen, pH, conductivity, etc.
- Routine Lake Monitoring**—In 2022, the BCWMC monitored the water quality of Northwood Lake in New Hope and Lost Lake in Plymouth. Water samples were collected from the deepest location in each lake on six occasions from April through September 2022 and analyzed in the laboratory for total phosphorus, soluble reactive phosphorus, total nitrogen, chlorophyll *a*, and chlorides. Dissolved oxygen, temperature, specific conductance, pH, oxidation reduction potential (ORP), Secchi disc transparency (Secchi depth), and turbidity were measured in the field. On five occasions from June through September, water samples were collected and analyzed for phytoplankton (algae) and zooplankton (microscopic crustaceans). An aquatic plant survey was also performed on two occasions, in June and August.

Reports for each lake will be available on the BCWMC website later in 2023.

- Monitoring by Partners** – In 2022, Medicine Lake in Plymouth and Wirth Lake in Golden Valley were monitored by the City of Plymouth/Three Rivers Park District and the Minneapolis Park and Rec Board, respectively.

G. Education, Outreach, Communications

The BCWMC utilized the following outreach mechanisms to educate and provide information to the general public:

- **Improvements and Development Requirements**—The document *Requirements for Improvements and Development Proposals*, prepared by the BCWMC (updated in 2022), is posted for use and reference on the BCWMC’s website at www.bassettcreekwmo.org/developer.
- **Website**—The BCWMC continues to rely on its user-friendly website as its primary method of providing information to the public. The site includes an interactive watershed map, contact list, meeting calendar, meeting materials, watershed plan, data, and projects. In 2022 there were approximately 7,237 users and 8,731 sessions, down slightly from 2021. A copy of the website Usage Report from January 1, 2022, through December 31, 2022, is included in Appendix C.
- **BCWMC Meeting Packet**— Each month in 2022 the BCWMC posted all meeting materials on its website, e-mailed the link to approximately 40 parties, and mailed paper copies of materials to those requesting them (approximately 11 people).
- **Publications**—The Commission published its public hearing notices in its official publication, *Finance and Commerce* as well as other publications including the Sun Post.
- **West Metro Water Alliance (WMWA) Membership** – The BCWMC continued its participation in WMWA along with three other watershed management organizations west Metro area. Through WMWA, these organizations collaborated on educational campaigns including the Watershed PREP (Protection, Restoration, Education, and Prevention) program. 2022 was the tenth year of the program which is aimed at educating 4th grade students about water resources, watersheds, the water cycle, pollution sources, and the impacts of stormwater.

In 2022, Watershed PREP was presented in 106 classrooms to over 3,000 students across the four watersheds. In addition, pilot classes on native plants were provided at 17 classrooms in three schools in 2022. WMWA also tabled at four outreach events with a total reach of 760 people, two in Plymouth and one each in Maple Grove and Robbinsdale.

In 2022 WMWA completed development of three new educational flyers to address MS4 permit education needs on the topics of Pet Waste, Water Softener Chlorides, and Deicer Chlorides. These flyers are provided to member cities for distribution and for websites/social media.

The 2022 WMWA Annual Report is found at www.westmetrowateralliance.org/annual-reports.html.

- **Shared Education Coordinator Position Between WMWA and Hennepin County** – Using Watershed Based Implementation Funding, WMWA is sharing a educator/education coordinator

position with Hennepin County. This position is modeled after the successful East Metro Water Resources Education Program in Washington County. In 2022, discussions were held among WMWA watersheds and member cities to determine the education gaps this position could fill, including helping cities meet MS4 education requirements. A position description was drafted and a work plan was developed. The position will be filled in 2023.

- **Metro WaterShed Partners Membership** —The BCWMC participated as a member of the Metro WaterShed Partners as a general supporter of the program and a financial supporter of the Metro Clean Water Minnesota Media Campaign. Metro Watershed Partners is a coalition of more than 70 public, private, and non-profit organizations in the Metro area. The Partnership maintains a listserv and a website as forums for information sharing, holds monthly meetings for members to collaborate, and coordinates the Adopt-a-Drain program. Find more information at www.cleanwatermn.org.
- **Chloride Education** – The BCWMC continued its focus on education surrounding chloride and over salting in 2022 including working with other partners in the Metro area who are concerned about over salting.

The BCWMC started coordinating the Hennepin County Chloride Initiative (see below for HCCI purpose and membership) in 2021 and led the development of the Low Salt, No Salt Minnesota marketing campaign (LSNS). The LSNS campaign was finalized in 2022 and includes multiple tools for use by watersheds and cities to engage with and educate targeted audiences and properties. Through market-based research, a professional marketing firm developed the title, logo, tagline, presentation, outreach materials, and professionally produced videos. A LSNS “train the trainer” event was held in January 2023 and the program is slated to be used by LGUs and the MPCA. www.low-salt-no-salt-mn.org



HCCI: The Hennepin County Chloride Initiative (HCCI) is a collaborative of all eleven watershed organizations in Hennepin County, the County, the Minnesota Pollution Control Agency, and many cities from across the county. HCCI’s goal is to reduce the amount of chloride entering our waterways from the overuse of winter deicing materials. While each of the HCCI members work in their own jurisdictions on this issue, the HCCI project used Clean Water Funds through a state grant to collectively address this issue by pooling ideas and resources and promoting common messages and strategies, with an emphasis on private property owners and managers, from large retail centers to small properties or residences. The HCCI won the Minnesota Watershed’s Program of the Year Award in December 2022. The grant funding the HCCI collaborative ended December 31, 2022. There were many products that resulted from HCCI including:



- Identification and analysis of barriers to low salting practices – a research study conducted by a U of M PhD student
- Development of a Smart Salting Guidebook for Property Manager’s which is now used by MPCA in their Smart Salting Certification Program

- Development of customizable winter maintenance plan templates for use by property managers and owners to develop and implement a winter maintenance and chloride management plan to reduce the overuse of salt (found under “Site winter maintenance management plan templates” <https://www.pca.state.mn.us/business-with-us/statewide-chloride-resources>)
 - A study of potential structural BMPs to reduce salt. This project convened a cohort of individuals with technical experience in studying chloride transport and loading of local waterbodies with the goal of using peer data to provide resources on trends in chloride transport by land use and the risks and opportunities of various BMPs that could be implemented to reduce chloride loading. (Technical Findings Memo)
- **Partnership with Metro Blooms for Harrison Neighborhood Project** – Since 2016, the BCWMC has partnered with and supported the Metro Blooms on outreach, engagement, and project installation in Near North neighborhoods in Minneapolis. The projects aim to engage residents and commercial businesses, train youth, and install water quality practices in Minneapolis’ Near North neighborhoods. The BCWMC collaborates on grant-funded projects and offers its own financial support. These programs have resulted in engagement with and bioswale installations on dozens of residential properties; participation by neighborhood residents at multiple community block parties; engagement with more than 14 commercial/institutional property owners with 6 completed projects, and 20 landcare stewards trained. In 2021 and 2022, the BCWMC continued a partnership with Metro Blooms on a “Northside Pollinator Project” with two consecutive State grants through the Lawns to Legumes project.
 - **Commissioner Training Sponsorship** – The BCWMC sponsored attendance by three commissioners at the Annual Salt Symposium (online) and sponsored two commissioners’ attendance to the Minnesota Watersheds annual meeting and conference in Alexandria.
 - **Administrator Attendance at One Water Summit** – In September, Administrator Jester attended the One Water Summit in Milwaukee WI as part of the Metropolitan Council’s delegation. The summit was facilitated through the U.S. Water Alliance whose vision is: *A sustainable water future for all*; and whose mission is “to drive One Water breakthroughs that positively transform our environment, economy, and society.” The event provided an opportunity to meet other water resources professionals from a broad geographic area with different perspectives, to promote the ideas and work of the BCWMC, and to learn from others.

H. Professional Services Proposal

The BCWMC solicited letters of interest for legal and engineering/technical consulting services in December 2022 and did not take action changing its legal firm from Kennedy Graven nor its engineering consultant from Barr Engineering. As per MN State Statute, the BCWMC will solicit proposals again in 2024.

I. Assessment of Changes in Fund Balance

A discussion of the fund balance is included in the BCWMC’s annual financial audit report. A copy of the annual audit report is available on the BCWMC website at:

<http://www.bassettcreekwmo.org/document/annual-report-budget>.

J. Wetland Conservation Act

1991 Wetland Conservation Act—The interim program of the 1991 Wetland Conservation Act was effective through December 31, 1993. On January 1, 1994, the permanent program of the 1991 Wetland Conservation Act became effective. Each municipality was required to designate the local government unit (LGU) responsible for administrating the interim program and the permanent program of the 1991 Wetland Conservation Act. The following table indicates the LGU for each municipality.

Municipality	Permanent Program (Effective 1/1/94)
Crystal	Crystal
Golden Valley	Golden Valley
Medicine Lake	BCWMC
Minneapolis	Minneapolis
Minnetonka	Minnetonka
New Hope	New Hope
Plymouth	Plymouth
Robbinsdale	BCWMC
St. Louis Park	BCWMC

BCWMC = Bassett Creek Watershed Management Commission

In 2022, the BCWMC submitted to BWSR its WCA annual reporting form covering all 2022 WCA-related activities within the municipalities for which BCWMC is the LGU. The other municipalities were responsible for submitting the annual reporting form to BWSR for their respective municipality.

Wetland Mitigation Policy—The BCWMC’s wetland management policies specify a preference for wetland mitigation to be performed within the same subwatershed as the impacted wetland.

K. 2025 Watershed Management Plan

In 2022, the BCWMC began work on development of its 2025 – 2035 Watershed Management Plan. A scope and budget for the Plan’s development was approved in March and the Stakeholder Outreach Plan was approved in May. Early input was gathered from member cities and State, regional, and local

agencies in the spring and early summer. An online survey and multiple outreach events were held throughout the summer, fall and winter to gather public input.

Challenging issues such as climate resiliency, chloride pollution, linear project standards, and equity were discussed and analyzed by the TAC and commissioners and continue to be assessed.

A report on plan development progress through March of 2023 is found [here](#). A 2025 Plan webpage is regularly updated: www.bassettcreekwmo.org/document/2025-plan-update.

II. 2023 Projected Work Plan

A. Capital Improvements Program (CIP)—The BCWMC will continue to implement its capital improvements program. In 2023, this work will include:

1. **Capital Improvement Program and Prioritization**—The BCWMC will review and update its 5-year capital improvement program, and will utilize its process of project prioritization.
2. **Progress on CIP projects:**
 - Assess the condition of Twin Lake and determine the possible need for a second dose of alum (Golden Valley) (TW-2)
 - Complete construction and/or prepare final reports on of the Main Stem Bassett Creek Lagoon Dredging Project, Parkers Lake Drainage Improvement Project, Sweeney Lake Water Quality Improvement Project, Bryn Mawr Meadows Water Quality Improvement Project, and Mt. Olivet Stream Restoration Project
 - Begin construction on the SEA School-Wildwood Flood Reduction Project and the Medley Park Stormwater Facility Project, both in Golden Valley
 - Review a report on the project to cost share purchase of high efficiency street sweeper in Plymouth
3. **Grant Administration:**
 - Submit interim reports for Clean Water Fund grant for Medley Park Stormwater Improvement Project
 - Submit interim and final reports for the Northside Minneapolis Lawns to Legumes Neighborhood Demonstration Projects (phase I and phase II)
 - Submit interim grant reports for the BWSR Clean Water Fund grant for the Bryn Mawr Meadows Water Quality Improvement Project
 - Submit final report for the 319 grant from MPCA for the Sweeney Lake Improvement Project
 - Submit final report for Metro Watershed Based Implementation Fund grant for Main Stem Lagoon Dredging Project

B. Watershed Management Plan—In 2023 the BCWMC will continue development of its 2025 Watershed Management Plan including:

- Gathering input from diverse communities
- Convening the Plan Steering Committee and Planning Technical Advisory Committee

- Defining and prioritizing issues
- Identifying goals and strategies

C. Monitoring, Studies, and Programs

1. **Water Quantity**—The BCWMC will perform its lake- and stream-gauging program. The lake-gauging program will encompass Medicine Lake, Sweeney Lake, Parkers Lake, Westwood Lake, Crane Lake (Ridgedale Pond), Northwood Lake, Bassett Creek Park Pond and Theodore Wirth Park Storage area upstream of the TH 55 control structure. Two readings per month will be taken during the period April 1 – September 30; one reading per month will be taken outside this period. The stream-gauging program will consist of periodically surveying stages or inspecting the creek during periods of high flow. The program also includes periodic surveys of benchmarks.
2. **Flood Control Project Inspection**—The BCWMC will perform its annual flood control project inspection program, as set forth in the Bassett Creek Flood Control Project Operations and Maintenance Manual.
3. **Municipal Plan Review**—The BCWMC will review of the member cities’ local water management plans and plan amendments, and BCWMC review of adjacent WMO plans and plan amendments, as needed. The BCWMC will also ensure that proper official controls are in place in each member city as required by the 2015 Bassett Creek Watershed Management Plan.
4. **Water Quality**— Proposed water quality tasks for 2023 include:
 - **Water Quality Monitoring:** The BCWMC will perform detailed water quality monitoring as laid out in its Water Monitoring Program http://www.bassettcreekwmo.org/application/files/7914/4676/6436/Appendix_A_Monitoring_Plan.pdf In 2023, the BCWMC will monitor Sweeney and Twin Lakes. The BCWMC will also continue its intensive stream monitoring program by performing the second of two years of monitoring on Plymouth Creek in collaboration with the city of Plymouth and Three Rivers Park District.
 - **Citizens Assisted Monitoring Program (CAMP):** The BCWMC entered into an agreement with the Metropolitan Council Environmental Services (MCES) to participate in this program in 2023. Volunteer citizens will monitor the following lakes in 2023: Twin Lake and Sweeney Lake in Golden Valley, two sites of Medicine Lake in the cities of Medicine Lake and Plymouth, Northwood Lake in New Hope, Westwood Lake in St. Louis Park, and Cavanaugh Lake, Parkers Lake and Lost Lake in Plymouth.
 - **Watershed Outlet Monitoring Program (WOMP):** The BCWMC is the local sponsor of this monitoring site in cooperation and with funding support from the Metropolitan Council. The Metropolitan Council Environmental Services (MCES) provides up to \$5,000 per year in financial support to the BCWMC for operating the station and maintaining the rating curve. The BCWMC entered into an agreement with a Stantec to ensure the monitoring

equipment is in working order, conduct routine maintenance of the WOMP site and equipment, collect samples, make in-situ field measurements, and coordinate sample delivery to MCES. BCWMC staff will continue to maintain the rating curve.

5. **Development Reviews**—The BCWMC will review development and redevelopment proposals in the watershed for conformance to water quality and quantity policies.
6. **Channel Maintenance Fund**—The BCWMC will continue to fund its Creek and Streambank Trunk System Maintenance, Repair and Sediment Removal Fund (the Channel Maintenance Fund). The BCWMC collects \$25,000 annually for the fund through an assessment paid by the member cities.
7. **Flood Control Long-Term Maintenance Fund**—The BCWMC established a long-term maintenance fund to be used to repair structures associated with the BCWMC Flood Control Project. The BCWMC collects \$35,000 annually for the fund through an assessment paid by the member cities. The fund balance is not to exceed \$1 million.
8. **XP-SWMM Modeling** – The BCWMC will continue to maintain its hydrologic/hydraulic XP-SWMM model.
9. **APM/AIS Work** – The BCWMC will implement recommendations of the APM/AIS committee including treating curly-leaf pondweed in Medicine Lake, coordinating with Three Rivers Park District (TRPD) for level II AIS inspectors for French Regional Park.
10. **TMDL Implementation Reporting**— The EPA approved the Wirth Lake TMDL on October 25, 2010, the Medicine Lake TMDL on February 8, 2011, and the Sweeney Lake TMDL on August 10, 2011. These TMDLs assigned categorical waste load allocations, which means a watershed approach is to be taken in implementing water quality improvement measures in these watersheds. In 2023, the BCWMC will continue tracking the implementation of the Medicine Lake, Sweeney Lake and Wirth Lake TMDLs.

D. Education and Outreach

The BCWMC will work with West Metro Water Alliance and other partners to implement education programming. This includes coordination and use of a new education coordinator position shared with Hennepin County. Education activities will also include financial contributions and participation in the following organizations and programs: Metro WaterShed Partners, Citizen Assisted Monitoring Program, Metro Blooms, West Metro Water Alliance (includes staff participation), and the Children’s Water Festival. The plan also includes funding for Commissioner registration fees for training or programs, participation in community events.

III. Annual Financial Report

The 2022 fiscal year for the Bassett Creek Watershed Management Commission (BCWMC) started on February 1, 2022 and ended January 31, 2023.

A. 2022 Approved Operating Budget

The approved operating budget for fiscal year 2022 was \$706,898. Each member's contribution toward the annual budget is based 50 percent on the total area of the municipality within the watershed and 50 percent on the tax capacity of the area within the watershed. A copy of the 2022 operating budget, 2022 revenues, and 2022 member-city assessment table are located in Appendix A.

B. Report of Revenues

See the Financial Audit Report available online at <http://www.bassettcreekwmo.org/document/annual-report-budget>.

C. Report of Expenditures

See the Financial Audit Report available online at <http://www.bassettcreekwmo.org/document/annual-report-budget>.

D. Financial Audit Report

The annual audit report for the year ending January 31, 2023, was performed by Malloy Montague Karnowski Radosevich & Co., P.A. A copy of the annual audit report is available online at: <http://www.bassettcreekwmo.org/document/annual-report-budget>.

Appendix A

2022 Financial Information

- 2022 Budget and Notes
- 2022 Expected Revenues
- 2022 Member City Assessments

BCWMC 2022 OPERATING BUDGET - Approved 8/19/21

	2017 Budget	2017 Actual	2018 Budget	2018 Actual	2019 Budget	2019 Actual	2020 Budget	2020 Actual	2021 Budget	2022 Budget	See Notes
ENGINEERING & MONITORING											
Technical Services	125,000	140,702	125,000	126,154	130,000	156,941	130,000	143,081	134,000	145,000	(A1)
Development/Project Reviews	65,000	71,791	75,000	45,070	80,000	56,420	75,000	94,267	68,000	75,000	(A)
Non-fee and Preliminary Reviews	15,000	20,906	10,000	23,073	15,000	32,937	20,000	16,851	24,000	22,000	(B)
Commission and TAC Meetings	14,000	11,753	12,000	10,575	12,000	13,207	12,000	10,478	12,000	14,000	(C)
Surveys and Studies	20,000	16,347	12,000	-	20,000	16,316	10,000	3,745	9,000	10,000	(D)
Water Quality / Monitoring	74,300	70,855	80,700	120,728	78,000	76,754	102,600	119,397	129,000	110,000	(E)
Water Quantity	11,500	8,570	6,300	5,678	10,000	9,998	6,500	6,229	7,000	8,000	(F)
Assistance on Erosion Control Inspections	1,000	-	1,000	-	-	-	-	-	-	-	(G)
Annual Flood Control Project Inspections	12,000	7,678	48,000	20,279	48,000	26,744	12,000	69,149	12,000	12,000	(H)
Municipal Plan Review	8,000	1,835	8,000	26,779	4,000	5,406	2,000	1,548	2,000	2,000	(I)
Watershed Outlet Monitoring Program	15,500	19,994	20,500	18,145	20,500	19,530	20,500	20,837	23,000	28,500	(J)
Annual XP-SWMM Model Updates/Reviews	10,000	5,650	10,000	8,918	-	-	-	-	-	5,000	(K)
APM/AIS Work	35,000	34,920	32,000	35,977	32,000	21,246	30,000	11,634	14,000	13,000	(L)
Subtotal Engineering & Monitoring	\$406,300	\$411,001	\$440,500	\$441,376	\$449,500	\$435,499	\$420,600	\$497,215	\$434,000	\$444,500	
PLANNING											
Next Generation Plan Development	-				12,000	12,000	18,000	18,000	18,000	18,000	(M)
Subtotal Planning	\$0		\$0	\$0	\$12,000	\$12,000	\$18,000	\$18,000	\$18,000	\$18,000	

Item	2017 Budget	2017 Actual	2018 Budget	2018 Actual	2019 Budget	2019 Actual	2020 Budget	2020 Actual	2021 Budget	2022 Budget	See Notes
ADMINISTRATION											
Administrator	67,200	60,559	67,200	59,955	69,200	64,926	69,200	64,764	67,400	70,848	(N)
MAWD Dues							500	500	3,750	7,500	(O)
Legal	18,500	16,249	17,000	13,313	17,000	14,428	15,000	20,996	15,000	17,000	(P)
Financial Management	3,200	3,200	3,200	3,200	3,500	3,500	3,500	3,500	4,000	13,500	(Q)
Audit, Insurance & Bond	15,500	17,304	15,500	17,648	18,000	15,892	18,000	18,684	18,000	18,700	(R)
Meeting Catering	2,000	1,198	1,600	1,295	1,500	1,341	1,500	317	1,300	1,300	(S)
Administrative Services	18,000	13,346	15,000	14,240	15,000	12,992	15,000	11,887	8,000	8,000	(T)
Subtotal Administration	\$124,400	\$111,856	\$119,500	\$109,651	\$124,200	\$113,079	\$122,700	\$120,648	\$117,450	\$136,848	
OUTREACH & EDUCATION											
Publications / Annual Report	2,500	1,138	1,500	937	1,300	1,263	1,300	1,069	1,300	1,300	(U)
Website	4,400	1,228	4,200	443	3,000	1,617	1,000	1,264	1,800	1,800	(V)
Watershed Education Partnerships	15,500	12,354	13,850	13,454	15,850	13,810	15,850	16,535	17,350	18,350	(W)
Education and Public Outreach	20,000	19,302	22,000	18,585	25,000	23,588	22,000	38,321	26,000	28,000	(X)
Public Communications	2,500	732	2,500	563	1,000	878	1,000	1,113	1,000	1,100	(Y)
Subtotal Outreach & Education	\$44,900	\$34,754	\$44,050	\$33,982	\$46,150	\$41,156	\$41,150	\$58,302	\$47,450	\$50,550	
MAINTENANCE FUNDS											
Channel Maintenance Fund	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	20,000	25,000	(Z)
Flood Control Project Long-Term Maint.	25,000	25,000	25,000	4,000	25,000	25,000	25,000	25,000	25,000	25,000	(AA)
Subtotal Maintenance Funds	\$50,000	\$50,000	\$50,000	\$29,000	\$50,000	\$50,000	\$50,000	\$50,000	\$45,000	\$50,000	
TMDL WORK											
TMDL Implementation Reporting	20,000	19,209	10,000	4,668	10,000	215	10,000	263	7,000	7,000	(BB)
Subtotal TMDL Work	\$20,000	\$19,209	\$10,000	\$ 4,668	\$10,000	\$10,000	\$10,000	\$263	\$7,000	\$7,000	
GRAND TOTAL	\$645,600	\$626,820	\$664,050	\$618,677	\$691,850	\$661,734	\$662,450	\$744,428	\$668,900	\$706,898	

2022 Revenues	
Expected Income	Income
Assessments to cities	\$ 565,998
Use of fund balance	\$ -
CIP Administrative Funds (2.0% of est. requested levy of \$1.79M)	\$ 35,800
Project review fees	\$ 60,000
Transfer from Long-term Maint Fund for Flood Control Proj Inspections	\$ 12,000
WOMP reimbursement	\$ 5,000
TRPD reimbursement	\$ 1,400
TMDL Studies Long Term Account Close Out (One Time Allocation)	\$ 27,149
	\$ 707,347
Expected Expenses	
Total operating budget	\$ 706,898
Fund Balance Details	
Est. Beginning Fund Balance (Jan 31, 2022)	\$ 404,513
Change in Fund Balance (income - expenses)	\$ 449
Est. Remaining Fund Balance (Jan 31, 2023)	\$ 404,962

City Assessments													
Community	For Taxes Payable in 2021	2021 Percent of	Area Watershed	Percent of	Average	2015	2016	2017	2018	2019	2020	2021	2022
	Net Tax Capacity	Valuation	in Acres	of Area	Percent	\$490,345	\$490,345	\$500,000	\$515,050	\$529,850	\$550,450	\$554,900	\$565,998
Crystal	\$10,436,901	5.59	1,264	5.09	5.34	\$25,868	\$25,771	\$25,704	\$26,904	\$27,877	\$29,062	\$29,898	\$30,206
Golden Valley	\$48,278,560	25.84	6,615	26.63	26.23	\$121,964	\$127,675	\$131,270	\$134,649	\$138,553	\$144,693	\$145,228	\$148,477
Medicine Lake	\$1,136,635	0.61	199	0.80	0.70	\$3,543	\$3,600	\$3,561	\$3,783	\$3,846	\$3,975	\$3,928	\$3,988
Minneapolis	\$13,106,438	7.01	1,690	6.80	6.91	\$33,235	\$32,885	\$33,609	\$34,763	\$35,805	\$37,631	\$37,983	\$39,103
Minnetonka	\$11,762,188	6.30	1,108	4.46	5.38	\$28,121	\$27,536	\$28,199	\$28,053	\$28,989	\$29,967	\$29,622	\$30,437
New Hope	\$10,448,489	5.59	1,252	5.04	5.32	\$25,681	\$25,627	\$25,917	\$26,740	\$27,987	\$28,987	\$29,464	\$30,087
Plymouth	\$79,203,316	42.39	11,618	46.77	44.58	\$225,159	\$220,974	\$224,531	\$231,682	\$237,986	\$245,942	\$247,860	\$252,307
Robbinsdale	\$3,537,475	1.89	345	1.39	1.64	\$7,587	\$7,843	\$7,747	\$8,189	\$8,523	\$8,937	\$9,299	\$9,288
St. Louis Park	\$8,938,699	4.78	752	3.03	3.91	\$19,184	\$18,433	\$19,463	\$20,287	\$20,284	\$21,257	\$21,618	\$22,105
TOTAL	\$186,848,701	100.00	24,843	100.00	100.00	\$490,345	\$490,345	\$500,000	\$515,050	\$529,850	\$550,450	\$554,900	\$565,998

NOTES

(A1) General technical services by Barr Engineering; amount based on actual expenditures in 2019 and 2020.

(A) Partially funded by application fees; with the creation of the preliminary and non-fee budget category, most of the review costs will be covered by application fees. 2021 budget assumes 30 submittals at average cost of \$2,000 - \$2,500 per review. 2022 budget based on 2019 and 2020 actuals

(B) Based on actual expenses in 2019 and 2020. This was a new line item in 2015 used to cover reviews for which either we do not receive an application fee or it's too early in the process for us to have received an application fee. Includes DNR application reviews, MnDOT project reviews, and other prelim reviews requested by administrator and member cities.

(C) Includes attendance at BCWMC meetings, TAC meetings and other committee meetings, as needed. 2017 budget increased to allow for additional BCWMC Engineer staff to attend Commission/TAC meetings (total of 3 assumed). 2018 - 2020 budgets were reduced from 2017 and assumed 12 BCWMC meetings and 5 other meetings (TAC, etc.). 2021 budget also assumes 17 meetings including BCWMC meetings (12), TAC meetings (3), Administrative Services Committee meetings (1), Budget Committee meetings and other meetings (1). 2022 budget increased to reflect likely return to in-person meetings, plus additional staff attendance at meetings

(D) For Commission-directed surveys and studies not identified in other categories - e.g., past work has included watershed tours, Medicine Lake outlet work, Flood Control Project Maintenance and Responsibilities, Sweeney Lake sediment monitoring, stream monitoring equipment purchase. 2018 budget was reduced from previous years for overall budget savings. 2019 budget is more in line with previous years and gives Commission flexibility to investigate or tackle unforeseen issues that arise. Lowered again in 2020, 2021, and 2022 for budget savings.

(E) Routine lake and stream monitoring. See details on next page. Costs are considerably lower than normal stream monitoring due to partnering with city of Plymouth's Plymouth Creek Monitoring by TRPD.

(F) Water Quantity (lake level) monitoring. 2018 budget lowered for budget savings and resulted in fewer data points. 2019 budget back to earlier budget levels. 2020 budget lowered again for budget savings. 2022 budget increase allows for additional measurements and benchmark checks, beyond the once/month lake level measurements

(G) After recommendations from the TAC and Budget Committee, the Commission's ended the erosion and sediment control inspection program (Watershed Inspection) in 2014 due to duplication with activities required by the member cities. Some budget remained here to provide, as requested by the Commission, some oversight of city inspection activities (reports of inspections are available from each city). However, little or no expenses have been incurred since 2014. In 2019 it was removed from budget. If inspections are needed they can be charged to general technical services.

(H) 2022 budget includes annual typical inspection of Flood Control Project (FCP) features without tunnel inspections. Does not include follow-up work on the deep tunnel inspection, such as developing cost estimates for recommended repair work, and the box culvert repairs, such as development of plans and specifications.

http://www.bassettcreekwmo.org/application/files/4514/9637/1815/2016_FCP_Policies.pdf

(I) Municipal plan approvals completed in 2019; however, this task has also included review of adjacent WMO plan amendments, and review of city ordinances; \$2,000 budget recommended in 2021 for these types of reviews.

(J) Monitoring at the Watershed Outlet Monitoring Program (WOMP) site in Minneapolis through an agreement with Met Council (MCES). Commission is reimbursed \$5,000 from Met Council. Met Council pays for equipment, maintenance, power, cell service, and lab analyses. Monitoring protocol changed in 2017 with collection of bi-monthly samples (up from once-per-month sampling). Both Barr and Wenck have tasked related to WOMP activities. Barr's 2020 & 2021 budget = \$4,500. Actual spent in 2020 = \$4,265. Station was moved in late 2020. In 2022, Barr work is proposed at \$10,000 because MCES requests additional high flow measurements (doubling from about 6 to 12), due to the new station location. The MCES recommends 9 routine scheduled flow measurements (range of flows beyond base flow), plus up to 3 additional for special events such as high flow, drought, or backwater. The additional budget would also allow for the measurement of up to two higher flows, as needed, using an Acoustic Doppler unit (StreamPro) that allows for measurement of higher flows than was possible using past equipment. Wenck portion is similar to previous years at \$18,500 due to similar sampling regime.

(K) This item is used to make updates to the XP-SWMM model, coordinate with P8 model updates, and assist cities with model use. No XP-SWMM updates were performed 2019 - 2021 due to work on the grant funded FEMA modeling project. 2022 budget assumes the Commission adopts the "FEMA model" as the Commission's model, including flood elevations. Then would need to re-start XP SWMM model updates. The last update was in 2018. Engineers will begin updating process in 2021 with "Surveys and Studies" budget. Process will likely be completed in FY2022.

Notes (continued)

(L) Funds to implement recommendations of Aquatic Plant Management/Aquatic Invasive Species Committee likely including curly-leaf pondweed control in Medicine Lake and small grant program for launch inspectors, education/outreach, etc. by other organizations including TRPD, AMLAC, others. 2020 expenses \$11,400 due to grant funding and cost sharing with TRPD. 2021 and 2022 budget set to be in line with actual expected costs.

(M) Funding that will be set aside and accrued over next 5 years to pay for 2025 Watershed Plan development which will start in 2023.

(N) Typically includes \$72/hour for average of 80 hours per month. In 2021 reduced to an average of 78 hours per month for overall budget savings and to reflect actual annual expenses. Budget committee recommended same for 2022. Increased to 82 hours per month (pending approved contract amendment) due to increasing workload.

(O) MN Association of Watershed District Annual dues. New budget item. 2019 and 2020 dues were \$500 because WMOs were newly allowed to join the organization. 2021 dues \$3,750. 2022 dues expected to be \$7,500 similar to other Metro watersheds.

(P) For Commission attorney. 3% hourly rate increase over 2021 + more work expected. High legal costs for CIP projects will be charged to specific CIP budgets, as warranted.

(Q) Reflects new agreement with Redpath. \$1,000/mo + up to 10 hours audit assistance at \$150/hr

(R) Insurance and audit costs have risen considerably in the last few years.

(S) Meeting catering expenses from Triple D Espresso (includes delivery). Assumes 12 in-person meetings

(T) Recording Secretary \$45/hr rate * 8 hrs/mo for meeting attendance and minutes (\$4,320 total) + \$290 annual mileage + \$250/mo meeting packet printing/mailing + \$390 contingency.

(U) Budget was decreased in last few years to be more in line with actual expenses. Costs associated with Commission Engineer assistance with annual report

(V) Based on 2017-2019 agreement with HDR for website hosting and maintenance activities and closer to actual funds spent in 2019.

(W) Includes CAMP (\$7,000), River Watch (\$2,000), Metro Watershed Partners (\$3,500), Metro Blooms Workshops (\$1,500; a decrease from previous years), Children's Water Festival (\$350). Does not allow for additional partnerships or increases in contributions. CAMP costs set by Met Council increased significantly in 2019 (after 16 years w/o increases). In 2021 moved \$4,000 in annual support to Metro Blooms for resident engagement in Harrison Neighborhood, MPLS from Education & Outreach line item (X)

(X) Includes funding for West Metro Water Alliance at \$13,000 and \$10,310 for other educational supplies and materials including educational signage, display materials, Commissioner training, etc. In 2021, moved social media (\$480 FB ads + \$3,510 for 1.5 hr/week*52 wks*\$45/hour) and moved educational newspaper column writing (\$2,700 for 5 hr/mo*12 months*\$45/hour) from Administrative Services line item (T).

(Y) Public Communications covers required public notices for public hearings, etc.

(Z) Will be transferred to Channel Maintenance Fund for use by cities with smaller projects along main streams. Reduced in 2021 for one-time budget savings. TAC recommends fully funding this line item at \$25,000

(AA) Will be transferred to Long-Term Maintenance Fund (less actual costs of FCP inspections in line (H)).

(BB) Budget reduced since 2018 for overall budget savings. Task includes reporting on TMDL implementation and updating P8 model to include new BMPs. Reduced in 2021 for overall budget savings. Updates did not occur in 2020.

BCWMC 2022 Water Quality Monitoring Budgets - by item		
Item	Budget	Notes
Reporting on 2020 Sweeney Branch biotic index monitoring	\$7,000	Coincides with, and included in, the Sweeney Brach stream flow and quality monitoring report below – this budget is as shown in the 2021 budget documentation.
Reporting on 2021 monitoring:		
Westwood and Crane Lake	\$12,000	this budget is as shown in the 2021 budget documentation.
Parkers Lake	\$6,000	this budget is as shown in the 2021 budget documentation.
Sweeney Branch stream flow and quality monitoring	\$7,000	this budget is as shown in the 2021 budget documentation.
2022 monitoring:		
Year 1 of Plymouth Creek stream flow and quality monitoring	\$20,000	This budget is lower than typical stream monitoring budgets due to a partnership with city of Plymouth (through TRPD monitoring). Assumptions: 1) the BCWMC’s 2022-2023 Plymouth Creek monitoring will use the City of Plymouth’s Plymouth Creek monitoring site (site IP2), rather than set up a new location and TRPD performs the monitoring on behalf of the City of Plymouth; 2) TRPD staff will perform all monitoring, except for DO monitoring (continuous for 1 – 2 weeks) and quarterly metals/hardness sampling, which the Commission Engineer will perform; 3) rental of dissolved oxygen probe for continuous dissolved oxygen monitoring at assumed cost of \$100/day; 4) \$5,000 budget for one-time purchase of specific conductance and temperature monitoring equipment to support the TRPD monitoring efforts (may not be required) – the BCWMC’s continuous temperature/specific conductance monitoring equipment is not compatible with the TRPD’s equipment; 5) TRPD will maintain the current rating curve for the TRPD monitoring site; 6) the Commission Engineer will verify/modify the TRPD rating curve for the old downstream IP1 station (60” pipe) (assists with understanding impacts of flows from large inflow pipe on the downstream biological monitoring station; and 7) Commission Engineer review of TRPD data
Northwood Lake (Priority 1 Shallow lake) & Lost Lake (Priority 2 Shallow lake)	\$40,000	Assumptions: 6 sample events from Northwood Lake and 6 Sample events from Lost Lake; 2 TP samples per event (epilimnetic composite and bottom); all other WQ samples only 1 sample per event. AIS suitability parameters sampled in June and August; all other WQ parameters sampled on all 6 events. Plant surveys in June and August by Endangered Resource Services. Budget does not include report and presentation to Commission, which will occur in 2023 (and be included in 2023 budget).
Plymouth Creek biological monitoring	\$8,000	identification/ enumeration by subconsultant (Dr. Dean Hansen); and 3) MPCA computes MIBI at no cost to BCWMC. Budget does not include report and presentation to Commission, which will likely occur in 2024 (and be included in 2024 budget), to coincide with the reporting on the Sweeney Branch stream flow and water quality monitoring. This monitoring could be deferred to 2023, if needed.
General water quality	\$10,000	
Total Water Quality Monitoring	\$110,000	

Appendix B
2022 Resolutions

RESOLUTION 22-01

Member Welch introduced the following resolution and moved its adoption:

**RESOLUTION DESIGNATING DEPOSITORIES FOR
BASSETT CREEK WATERSHED MANAGEMENT COMMISSION FUNDS**

BE IT RESOLVED by the Bassett Creek Watershed Management Commission of the Cities of Crystal, Golden Valley, Medicine Lake, Minneapolis, Minnetonka, New Hope, Plymouth, Robbinsdale, and St. Louis Park that the following are named as depositories for funds, subject to the furnishing of collateral for funds on deposit as provided in the Laws of the State of Minnesota: **RBC Dain Rauscher; Wells Fargo; 4M Fund; U.S. Bank**

BE IT FURTHER RESOLVED that a sweep account will be used for nightly balances.

BE IT FURTHER RESOLVED that the following signatories or alternates are authorized to be signatories on checks drawn on funds deposited:

General Checking:

Chair or Vice Chair and Treasurer or Deputy Treasurer

Each check shall require two signatures.

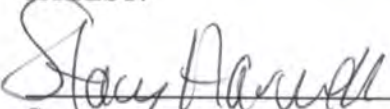
BE IT FURTHER RESOLVED that the following shall be authorized to make investments of the Bassett Creek Watershed Management Commission and shall be authorized to deposit the principal of said investments in the above named depositories as necessary and beneficial to the Bassett Creek Watershed Management Commission: Deputy Treasurer of the Bassett Creek Watershed Management Commission, or Accounting Coordinator for City of Golden Valley.

The Deputy Treasurer shall supply each of the depositories with certified copies of this resolution along with such signature documentation as is required by the depository and the authorizations set forth above.

Adopted by the Board of the Bassett Creek Watershed Management Commission this 17th day of February 2022.


Chair 18 Feb 2022

ATTEST:


Secretary 2-25-22
Date

The motion for the adoption of the foregoing resolution was seconded by Member Carlson and upon a vote being taken thereon, the following voted in favor thereof: 7 members, and the following voted against the same: 0 members whereupon said resolution was declared duly passed and adopted.



Bassett Creek Watershed Management Commission


RESOLUTION NO. 22-02

Member Welch introduced the following resolution and moved its adoption:

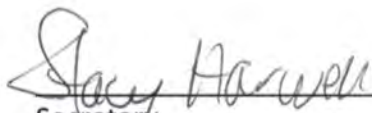
A RESOLUTION APPROVING THE REIMBURSEMENT TO THE BASSETT CREEK WATERSHED MANAGEMENT COMMISSION 2.0% OF THE TAX LEVY REQUEST TO HENNEPIN COUNTY FOR COLLECTION IN 2021, FOR ADMINISTRATIVE EXPENSES FOR CAPITAL IMPROVEMENT PROGRAM (CIP) PROJECTS AND APPROVING THE TRANSFER OF THE FUNDS FROM THE CIP ACCOUNT TO THE ADMINISTRATIVE ACCOUNT

BE IT RESOLVED by the Bassett Creek Watershed Management Commission of the Cities of Crystal, Golden Valley, Medicine Lake, Minneapolis, Minnetonka, New Hope, Plymouth, Robbinsdale, and St. Louis Park that:

1. The Bassett Creek Watershed Management Commission (BCWMC) will be reimbursed \$29,495, which is 2.0% of the BCWMC's September 2020 tax request in the amount of \$1,474,780 to Hennepin County for collection in 2021, for administrative expenses for Capital Improvement Projects.
2. The Bassett Creek Watershed Management Commission directs its Deputy Treasurer to transfer the reimbursed funds from the Commission's CIP Account to its Administrative Account.


Chair 18 Feb 2022
Date

Attest


Secretary 2-25-22
Date

The motion for the adoption of the foregoing resolution was seconded by Member Carlson and upon a vote being taken thereon, the following voted in favor thereof: 7 members, and the following voted against the same: 0 members whereupon said resolution was declared duly passed and adopted.



Bassett Creek Watershed Management Commission

RESOLUTION NO. 22-03

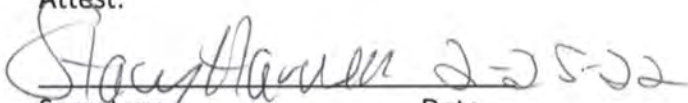
Member Welch introduced the following resolution and moved its adoption:

A RESOLUTION APPROVING THE TRANSFER OF BASSETT CREEK WATERSHED MANAGEMENT COMMISSION FUNDS FROM THE ADMINISTRATIVE ACCOUNT TO THE EROSION/SEDIMENT (CHANNEL MAINTENANCE) ACCOUNT, THE FLOOD CONTROL LONG-TERM MAINTENANCE ACCOUNT, AND THE NEXT GENERATION PLAN DEVELOPMENT ACCOUNT

BE IT RESOLVED by the Bassett Creek Watershed Management Commission that:

1. \$20,000 will be transferred from the Bassett Creek Watershed Management Commission's Administrative Account to the Erosion/Sediment (Channel Maintenance Fund) account.
2. \$25,000 will be transferred from the Bassett Creek Watershed Management Commission's Administrative Account to the Flood Control Long-Term Maintenance account.
3. \$8,000 will be transferred from the Bassett Creek Watershed Management Commission's Administrative Account to the Next Generation Plan Development account.


Chair 18 Feb 2022
Date

Attest:

Secretary 2-25-22
Date

The motion for the adoption of the foregoing resolution was seconded by Member Carlson and upon a vote being taken thereon, the following voted in favor thereof: 7 members, and the following voted against the same: 0 members, whereupon said resolution was declared duly passed and adopted.



Bassett Creek Watershed Management Commission


RESOLUTION NO. 22-04

Member Welch introduced the following resolution and moved its adoption:

A RESOLUTION APPROVING THE TRANSFER OF BASSETT CREEK WATERSHED MANAGEMENT COMMISSION FUNDS FROM THE FLOOD CONTROL LONG-TERM MAINTENANCE ACCOUNT TO THE ADMINISTRATIVE ACCOUNT

BE IT RESOLVED by the Bassett Creek Watershed Management Commission that:

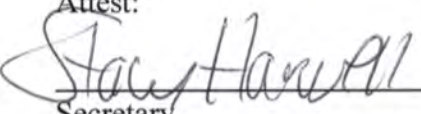
1. \$14,999 will be transferred from the Bassett Creek Watershed Management Commission's Flood Control Long-Term Maintenance account to the Administrative Account to cover the costs of the 2021 BCWMC Flood Control Project (FCP) inspections including annual FCP inspections.



Chair

18 Feb 2022

Date

Attest:


Secretary

2-25-22

Date

The motion for the adoption of the foregoing resolution was seconded by Member Carlson and upon a vote being taken thereon, the following voted in favor thereof: 7 members, and the following voted against the same: 0 members whereupon said resolution was declared duly passed and adopted.



Bassett Creek Watershed Management Commission

Resolution 22-05

Member Gwin-Lenth introduced the following resolution and moved its adoption:

A RESOLUTION DESIGNATING A DEPUTY TREASURER AND PROVIDING CERTAIN AUTHORITY TO ACCESS FINANCIAL ACCOUNTS TO CARRY OUT DESIGNATED RESPONSIBILITIES

WHEREAS, the Bassett Creek Watershed Management Commission (Commission) is authorized pursuant to its bylaws to appoint a non-Commissioner as Deputy Treasurer to assist the Treasurer and perform administrative duties in the absence or disability of the Treasurer; and

WHEREAS, Sue Virnig, Finance Director for member city Golden Valley, is willing to perform the duties of Deputy Treasurer for the Commission; and


WHEREAS, the Commission recently contracted with Redpath & Company for financial bookkeeping and audit services for the 2022-2023 fiscal year; and

WHEREAS, in addition to the Commission's Deputy Treasurer, accounting staff at Redpath & Company require access to the Commission's financial accounts in order to perform certain duties included in its service agreement with the Commission.

THEREFORE, BE IT RESOLVED by the Bassett Creek Watershed Management Commission that:

1. Sue Virnig is hereby appointed as the Commission's Deputy Treasurer and as such, shall have access to the Commission's investment and checking accounts for the limited purpose of carrying out any functions necessary in performing the role of Deputy Treasurer, and
2. Accounting staff at Redpath & Company that perform services for the Commission shall also have access to the Commission's investment and checking accounts for the limited purpose of carrying out any functions that are necessary in performing services contracted for with the Commission, and
3. Access to the above-referenced investment and checking accounts shall include the ability to transfer money between said accounts as needed for cash flow purposes or to maintain thresholds designated by the Commission or its officers. Such access shall also adhere to the Commission's Policy Manual, including, but not necessarily limited to, all requirements contained in section 2.9 thereof, and shall otherwise conform with all applicable laws.

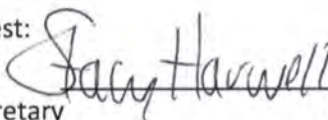
Chair

 18 March 2022

Date

Attest:

Secretary

 3-18-22

Date

The motion for the adoption of the foregoing resolution was seconded by Member Carlson and upon a vote being taken thereon, the following voted in favor thereof: 6 members, and the following voted against the same: 0 members whereupon said resolution was declared duly passed and adopted.

BASSETT CREEK WATERSHED MANAGEMENT COMMISSION
RESOLUTION NO. 22-06

RESOLUTION AUTHORIZING EXECUTION OF WAIVER FORM RELATING TO TORT
LIMITS FOR LIABILITY INSURANCE AND NOT WAIVING SUCH TORT LIMITS

WHEREAS, the Bassett Creek Watershed Management Commission ("Commission") is a joint powers watershed management organization established by the cities of Crystal, Golden Valley, Medicine Lake, Minneapolis, Minnetonka, New Hope, Plymouth, Robbinsdale, and St. Louis Park in accordance with Minnesota Statutes, section 103B.211; and

WHEREAS, the Commission is insured for tort liability matters by the League of Minnesota Cities Insurance Trust ("LMCIT"); and

WHEREAS, as part of its liability insurance coverage with LMCIT, the Commission is required to elect annually whether to waive the statutory tort liability limits stated in Minn. Stat. § 466.04; and

WHEREAS, staff has recommended that the Commission not waive the tort cap limits in order to mitigate the Commission's tort liability as permitted by law; and

WHEREAS, a decision to not waive the tort cap limits reasonably protects the Commission and limits its potential liability while allowing an individual claimant to recover damages as provided by law.

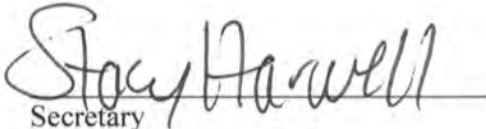
NOW, THEREFORE, BE IT RESOLVED by the Bassett Creek Watershed Management Commission that the Commission Administrator is authorized to execute the LMCIT Liability Coverage Waiver Form on behalf of the Commission by indicating that the Commission elects not to waive the statutory limitation on tort liability.

Adopted this 19th day of May, 2022.



Chair

ATTEST:



Secretary

BASSETT CREEK WATERSHED MANAGEMENT COMMISSION
RESOLUTION NO. 22-07

A RESOLUTION ACCEPTING BID FOR SWEENEY LAKE ALUM TREATMENT PHASE II

WHEREAS, pursuant to a duly published advertisement for the Sweeney Lake Alum Treatment Phase II project (the "Project"), bids were received, opened, and tabulated according to law, and the bid details were thereafter presented to the Board of Commissioners of the Bassett Creek Watershed Management Commission (the "Commission"); and

WHEREAS, although two bids for the Project were initially received and reviewed by the Commission Engineer at the time of bid opening, one bidder subsequently withdrew its bid, and accordingly, based on the lone remaining bid, SOLitude Lake Management is deemed the lowest responsible bidder.

NOW, THEREFORE, BE IT RESOLVED, by the Board of Commissioners of the Bassett Creek Watershed Management Commission as follows:

1. The above recitals are hereby incorporated into this resolution as if fully set forth herein.
2. SOLitude Lake Management's bid for the Project is hereby accepted. The Commission chair and secretary are authorized and directed to enter into a contract with SOLitude Lake Management in the name of the Commission for the Project, according to bid package and the plans and specifications that were previously prepared. Additionally, Commission officials, staff and consultants are authorized to perform any steps that are deemed necessary and convenient to carry out the intent of this resolution.

Adopted by the Board of Commission of the Bassett Creek Watershed Management Commission the 15th day of September, 2022.

ATTEST:

Secretary



Chair



BASSETT CREEK WATERSHED MANAGEMENT COMMISSION
RESOLUTION NO. 22-08

A RESOLUTION CERTIFYING COSTS TO HENNEPIN COUNTY FOR
PREVIOUSLY ORDERED CAPITAL IMPROVEMENT PROGRAM PROJECTS

WHEREAS, on September 17, 2015, the Bassett Creek Watershed Management Commission (“Commission”) adopted the *Bassett Creek Watershed Management Commission, Water Management Plan, September 2015* (the “Plan”);

WHEREAS, the Plan, as amended since its adoption, includes a capital improvement program (“CIP”) listing capital projects in Table 5-3 of the Plan;

WHEREAS, notwithstanding that the CIP does not include any new capital projects for the year 2023, the Plan specifies a county tax levy under Minnesota Statutes, section 103B.251 as a source of funding for four previously ordered projects: Dredging Accumulated Sediment in Main Stem Bassett Creek in Theodore Wirth Regional Park Project, Medley Park Stormwater Treatment Facility Project, SEA School – Wildwood Flood Reduction Project, and the Bryn Mawr Water Quality Improvement Project (collectively, the “Projects”);

WHEREAS, in accordance with the Commission’s Joint Power Agreement and Minnesota Statutes, sections 103B.205 to 103B.255 (the “Act”), the Commission previously conducted duly noticed public hearings on the Projects and ordered said Projects after making all requisite findings.

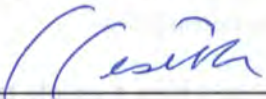
NOW, THEREFORE, BE IT RESOLVED, by the Board of Commissioners of the Bassett Creek Watershed Management Commission as follows:

1. The cost of the Dredging Accumulated Sediment in Main Stem Bassett Creek, Theodore Wirth Regional Park Project was partially paid from a county tax levy collected in 2021 totaling One Hundred Thousand Dollars (\$100,000) and in 2022 totaling One Million Dollars (\$1,000,000). Approximately Three Hundred Twenty-Five Thousand Dollars (\$325,000) will come from grants. Additional funds of up to One Million Dollars (\$1,000,000) will be paid from Commission Closed Project Account funds. The remaining estimated cost of the project is Three Hundred Thirty-Four Thousand Dollars (\$334,000). Of this amount, One Hundred Thirty Four Thousand (\$134,000) will be paid from funds received from a county tax levy pursuant to Minnesota Statutes, section 103B.251 levied in 2022 for collection in 2023. Additional funds of up to Two Hundred Thousand Dollars (\$200,000) are expected to be paid from funds received from a county tax levy pursuant to Minnesota Statutes, section 103B.251 levied in 2023 for collection in 2024.
2. The cost of the Medley Park Stormwater Treatment Facility Project was partially paid from a county tax levy collected in 2022 totaling Four Hundred Thousand Dollars (\$400,000). Approximately Three Hundred Thousand Dollars (\$300,000) will come from a grant and Five Hundred Thousand Dollars (\$500,000) will be paid by the City of Golden Valley. The remaining estimated cost of the project is Nine Hundred Fifty Thousand Dollars (\$950,000). Of this amount, One Hundred Fifty Thousand Dollars (\$150,000) will be paid from funds received from a county tax levy pursuant to Minnesota Statutes, section 103B.251 levied in 2022 for collection in 2023. Additional funds of up to Eight Hundred Thousand Dollars (\$800,000) are expected to be paid from funds received from a county tax levy pursuant to Minnesota Statutes, section 103B.251 levied in 2023 for collection in 2024.
3. The cost of the SEA School – Wildwood Flood Reduction Project was partially paid from a county tax levy collected in 2022 totaling Three Hundred Thousand Dollars (\$300,000). Approximately One Million Three Hundred Thousand Dollars (\$1,300,000) will come from a grant and Five Hundred Thousand Dollars (\$500,000)


will be paid by the City of Golden Valley or other grants. The remaining estimated cost of the project is One Million Dollars (\$1,000,000). Of this amount, Seven Hundred Forty-Eight Thousand (\$748,000) will be paid from funds received from a county tax levy pursuant to Minnesota Statutes, section 103B.251 levied in 2022 for collection in 2023. Additional funds of Two Hundred Fifty-Two Thousand (\$252,000) are expected to be paid from funds received from a county tax levy pursuant to Minnesota Statutes, section 103B.251 levied in 2023 for collection in 2024.

4. The cost of the Bryn Mawr Water Quality Improvement Project was partially paid from a county tax levy collected in 2020 totaling One Hundred Thousand Dollars (\$100,000) and in 2021 totaling Four Hundred Twelve Thousand Dollars (\$412,000). Four Hundred Thousand Dollars (\$400,000) was paid from a grant. The remaining estimated cost of the project is One Million One Hundred Seventy Five Thousand Dollars (\$1,175,000), the entirety of which will be paid from funds received from a county tax levy pursuant to Minnesota Statutes, section 103B.251 levied in 2022 for collection in 2023.
5. The total amount certified to Hennepin County for the 2023 Projects is Two Million Two Hundred Seven Thousand Dollars (\$2,207,000) for payment by the County in accordance with Minnesota Statutes, section 103B.251, subdivision 6.
6. The costs of the aforementioned projects will be paid by the Commission up to the amount specified in paragraphs 1 - 4 above from proceeds received from Hennepin County pursuant to Minnesota Statutes, section 103B.251 and grant funding, if awarded. Additional costs may be paid by the city constructing the particular project, but no costs will be charged to other members of the Commission.
7. The Commission is the entity responsible for contracting for the construction of the Dredging Accumulated Sediment in Main Stem Bassett Creek, Theodore Wirth Regional Park Project, and contracts for construction thereof shall be let in accordance with the requirements of law applicable to the Commission.
8. The City of Golden Valley is designated as the member responsible for contracting for the construction of the Medley Park Stormwater Treatment Facility Project. Contracts for construction shall be let in accordance with the requirements of law applicable to the City of Golden Valley. The Project shall otherwise be carried out in accordance with any agreements entered into between the Commission and the City of Golden Valley.
9. The City of Golden Valley is designated as the member responsible for contracting for the construction of the SEA School – Wildwood Flood Reduction Project. Contracts for construction shall be let in accordance with the requirements of law applicable to the City of Golden Valley. The Project shall otherwise be carried out in accordance with any agreements entered into between the Commission and the City of Golden Valley.
10. The Minneapolis Park and Recreation Board and the City of Minneapolis are responsible for contracting for or performing the construction of the Bryn Mawr Water Quality Improvement Project. Contracts for construction shall be let in accordance with the requirements of law applicable to said parties. The Project shall otherwise be carried out in accordance with any agreements entered into amongst the Commission, the Minneapolis Park and Recreation Board, and the City of Minneapolis.

Adopted by the Board of Commission of the Bassett Creek Watershed Management Commission the 15th day of September, 2022.



Chair

ATTEST: 

Secretary
Vice chair 9-15-22

BASSETT CREEK WATERSHED MANAGEMENT COMMISSION
RESOLUTION NO. 22-09

A RESOLUTION ACCEPTING BID FOR THE MAIN STEM LAGOON DREDGING PROJECT

WHEREAS, pursuant to an advertisement for bids for the Main Stem Lagoon Dredging Project, 2021 CIP Project BC-7 (the "Project"), bids were received, opened, and tabulated according to law, and the following bids were received complying with the advertisement and thereafter presented to the Board of Commissioners of the Bassett Creek Watershed Management Commission (the "Commission"):

<u>Contractor</u>	<u>Total Bid</u>
Fitzgerald Excavating & Trucking Inc.	\$1,588,970.00
Rachel Contracting, LLC	\$2,119,808.53
Peterson Companies, Inc.	\$2,180,610.80
Veit & Company, Inc.	\$3,563,673.30

; and

WHEREAS, based on the above bids that were received and reviewed by the Commission Engineer, Fitzgerald Excavating & Trucking Inc. is deemed the lowest responsive and responsible bidder.


NOW, THEREFORE, BE IT RESOLVED, by the Board of Commissioners of the Bassett Creek Watershed Management Commission as follows:

1. Fitzgerald Excavating & Trucking Inc.'s bid for the Project is hereby accepted. The Commission chair and secretary are authorized and directed to enter into a contract with Fitzgerald Excavating & Trucking Inc. in the name of the Commission for the Project, according to the bid package that was previously prepared.
2. Commission officials, staff and consultants, as the case may be, are hereby authorized and directed to return forthwith to all bidders the deposits made with their bids, except that the deposits of the successful bidder and the next lowest bidder shall be retained until a contract has been executed.
3. Finally, Commission officials, staff and consultants are hereby authorized and directed to take any and all additional steps and actions necessary or convenient in order to accomplish the intent of this Resolution and carry out the Project as contemplated herein.

Adopted by the Board of Commissioners of the Bassett Creek Watershed Management Commission on the 20th day of October, 2022.

 10/20/2022
Chair

ATTEST:

 10-20-22
Secretary

BASSETT CREEK WATERSHED MANAGEMENT COMMISSION

Resolution No. 22-10

RESOLUTION CONCURRING WITH PROPOSED BOUNDARY CHANGES

WHEREAS, the Shingle Creek Watershed Management Commission and the West Mississippi Watershed Management Commission (collectively, the “Requesting WMOs”) have jointly undertaken a process to review and amend as needed their boundaries with neighboring watersheds in accordance with the requirements of Minnesota Statutes, section 103B.215 (“Act”);

WHEREAS, the Act requires the Requesting WMO’s to include with their petition for a boundary change to the Minnesota Board of Water and Soil Resources “a written statement of concurrence in the petition from the governing body of each statutory or home rule charter city and town and each watershed management organization having jurisdiction over the territory proposed to be added or transferred.”;

WHEREAS, the Requesting WMOs prepared and provided maps showing the proposed boundary changes (“Boundary Change Maps”), which are incorporated herein by reference; and

WHEREAS, the Boundary Changes identified in the Boundary Change Maps were developed using updated hydrologic information, they more accurately reflect the hydrologic boundaries, and so it is appropriate to issue a written statement of concurrence to change the boundaries as reflected in the Boundary Change Maps submitted by the Requesting WMOs.

NOW, THEREFORE, BE IT RESOLVED, by the Board of Commissioners of the Bassett Creek Watershed Management Commission (the “Board”) as follows:

1. The Board concurs with the boundary changes proposed by the Requesting WMO’s and reflected in the Boundary Change Maps.
2. The Board chair is authorized and directed to execute and provide a letter of concurrence to the Requesting WMOs together with a copy of this Resolution.

Adopted this 16th day of November, 2022.

Attest: Stacy Arnold
Secretary

Chair Cesnik



Bassett Creek Watershed Management Commission

November 16, 2022

Shingle Creek Watershed Management Commission
ATTN: Judie Anderson
3235 Fernbrook Lane N
Plymouth, MN 55447

Re: Petition for Boundary Change, Shingle Creek Watershed Management Commission: Letter of Concurrence

Dear Ms. Anderson,

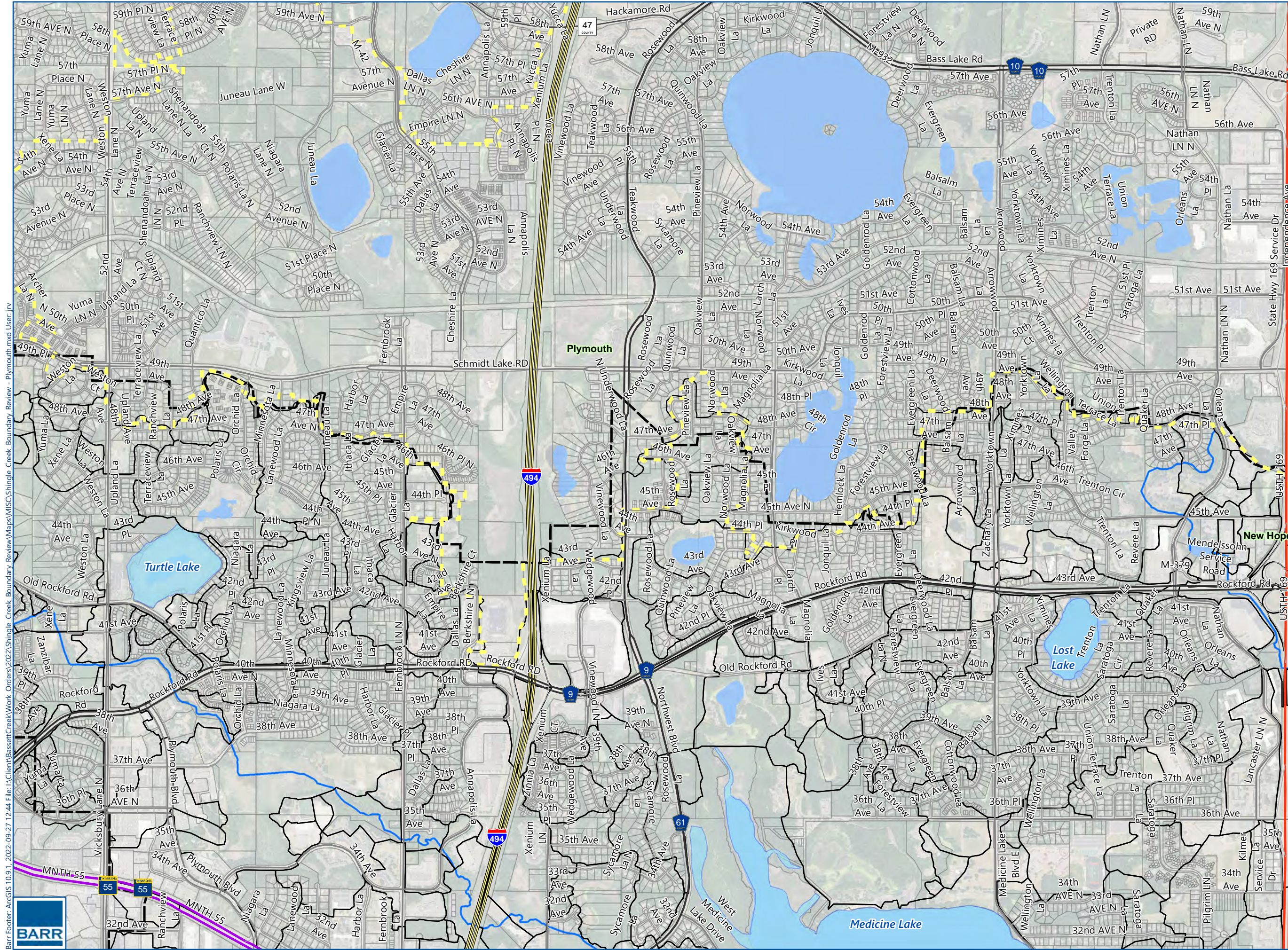
The Bassett Creek Watershed Management Commission has reviewed and considered the proposal to change the common boundary between the Shingle Creek Watershed and the Bassett Creek Watershed. Pursuant to Resolution #22-10, the Bassett Creek Watershed Management Commission concurs with the proposed petition to change the common boundary.

If you have any questions or comments, please contact BWCMC Administrator Laura Jester at laura.jester@keystonewaters.com or 952-270-1990.

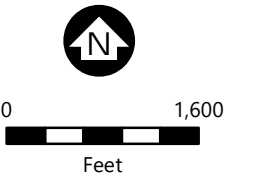
Sincerely,

A handwritten signature in blue ink, appearing to read "Cesnik".

Catherine Cesnik, Chair



- "New" SCWMC/BCWMC Legal Boundary (Dec 2022)
- BCWMC Current/ "Old" Boundary
- BCWMC Subwatersheds
- Municipal Boundary
- Hennepin County Parcels

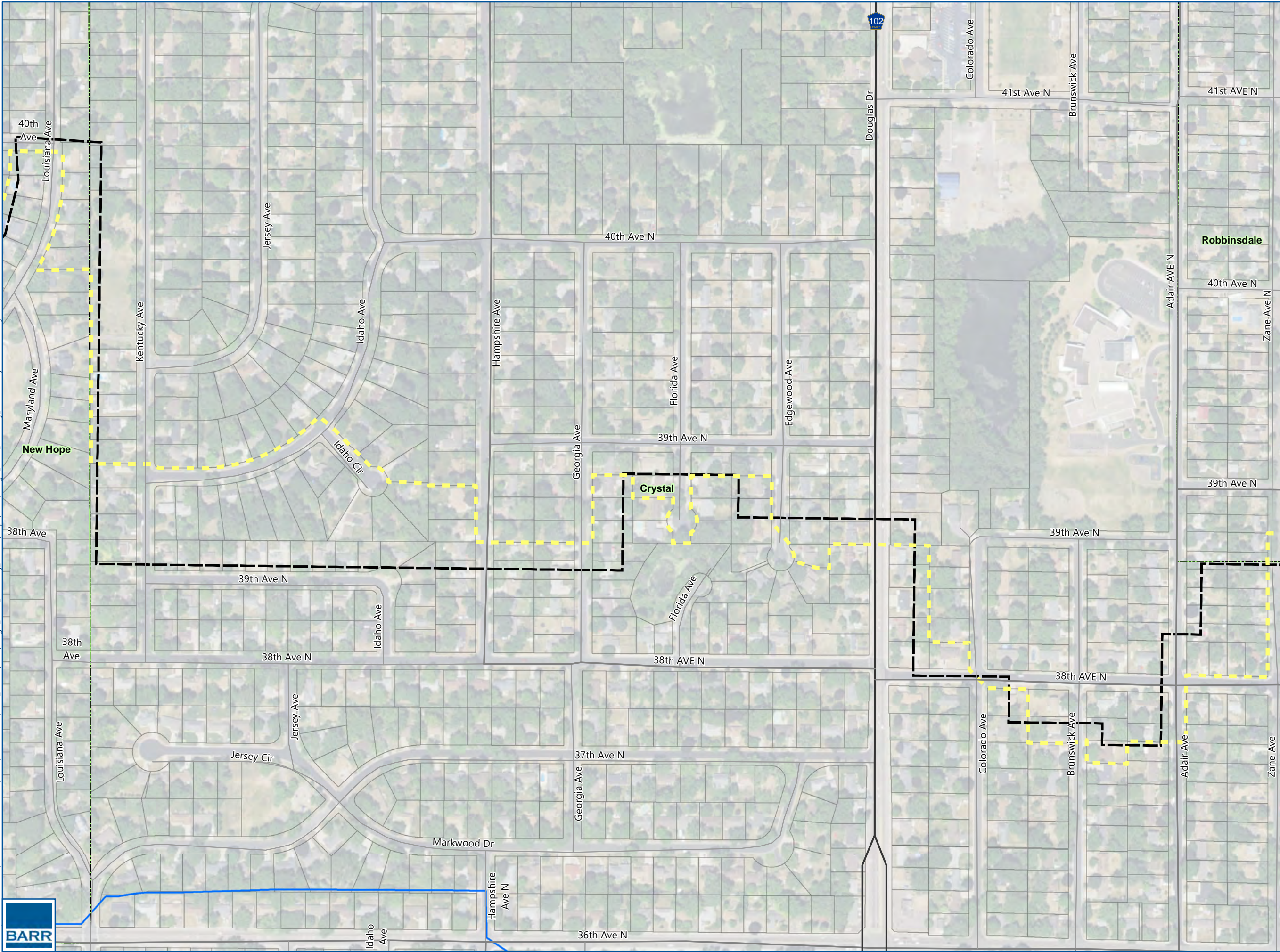






SHINGLE CREEK
BOUNDARY REVIEW
- PLYMOUTH

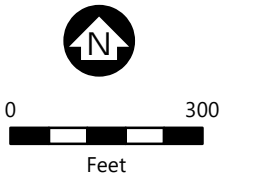
FIGURE 1

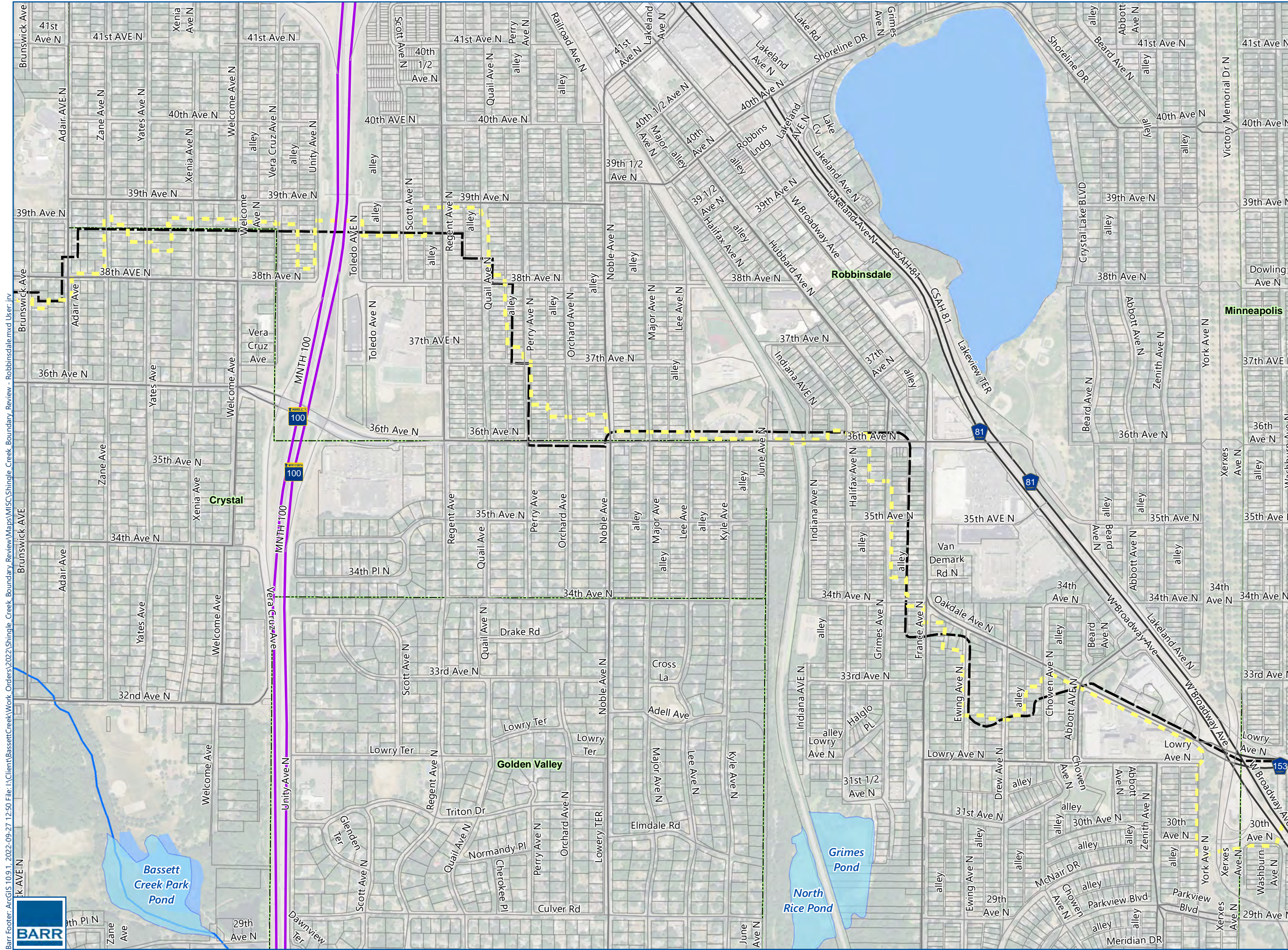
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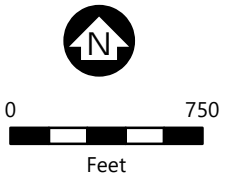


-  "New" SCWMC/BCWMC Legal Boundary (Dec 2022)
-  Municipal Boundary
-  BCWMC Current/ "Old" Boundary
-  Hennepin County Parcels



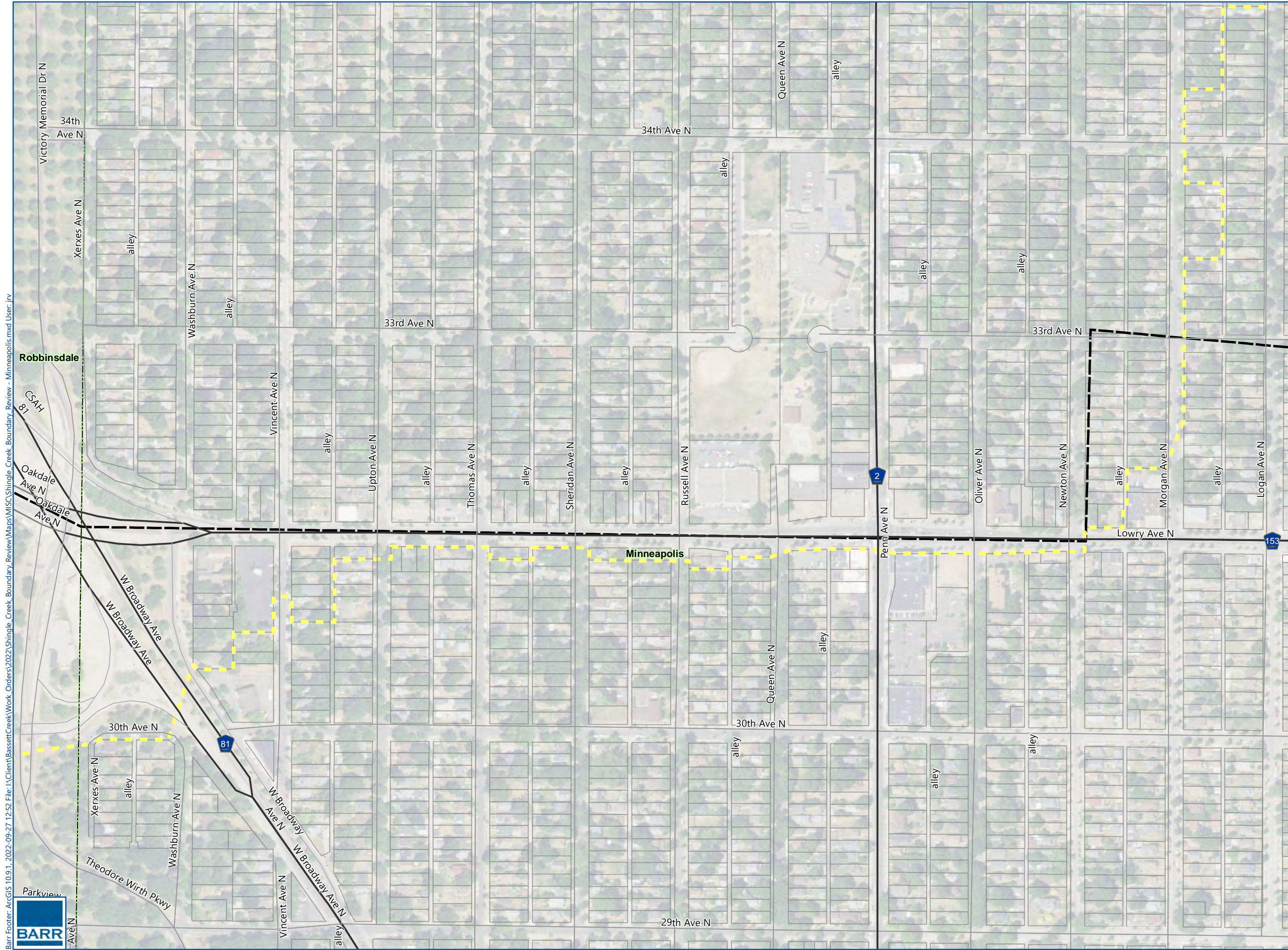






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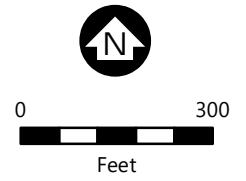


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-  "New" SCWMC/BCWMC Legal Boundary (Dec 2022)
-  BCWMC Current/ "Old" Boundary
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Appendix C
2022 Website Usage Report

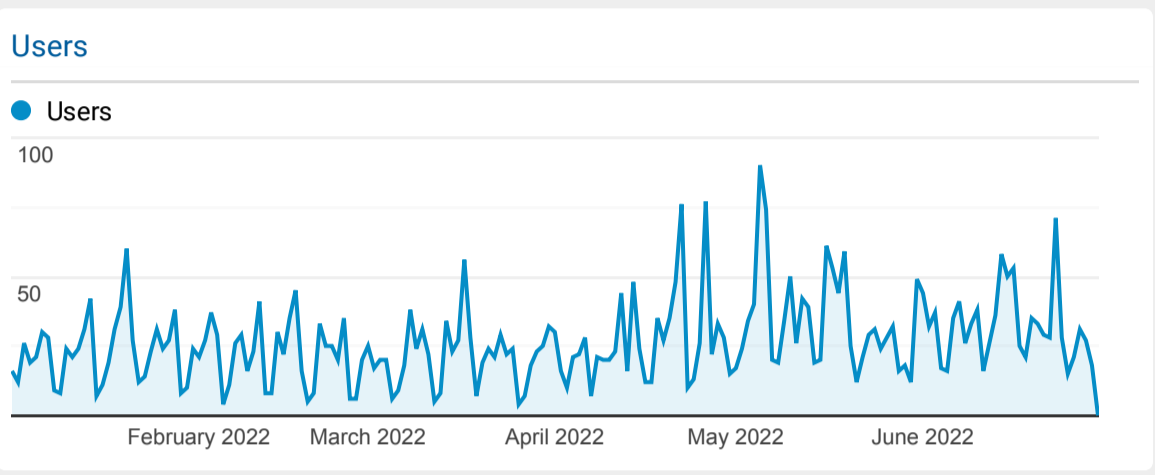
Reports

Jan 1, 2022 - Jun 30, 2022

All Users
100.00% Sessions

Total unique users
3,593
% of Total: 73.00% (4,922)

Total Sessions
5,463
% of Total: 75.66% (7,220)

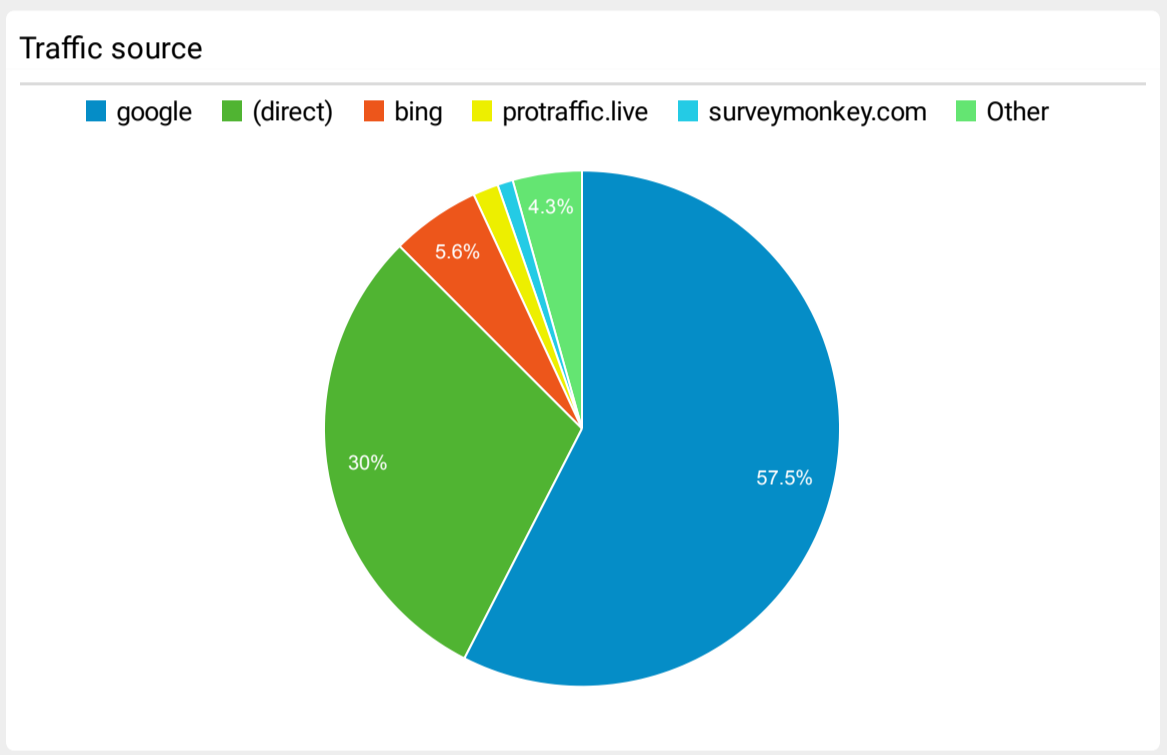


Avg. Session Duration
00:02:08
Avg for View: 00:01:49 (17.67%)

Avg. Pages per session
2.20
Avg for View: 2.07 (5.99%)

Sessions By Page

Page	Sessions
/	1,793
/lakes-streams/sweeney-lake	325
/lakes-streams/medicine-lake	277
/lakes-streams/twin-lake	271
/lakes-streams/plymouth-creek	258
/lakes-streams/main-stem-bassett-creek	212
/developer/standards-requirements	116
/about/our-members	105
/lakes-streams/northwood-lake	104
/lakes-streams/parkers-lake	98



Sessions by City

City	Sessions
Minneapolis	982
Golden Valley	353
Plymouth	328
Eden Prairie	291
Chicago	250
(not set)	216
Saint Paul	214
Minnetonka	164
Ashburn	161
Coffeyville	104

Sessions by Browser

Browser	Sessions
Chrome	3,383
Safari	1,183
Edge	536
Firefox	186
Android Webview	64
Samsung Internet	39

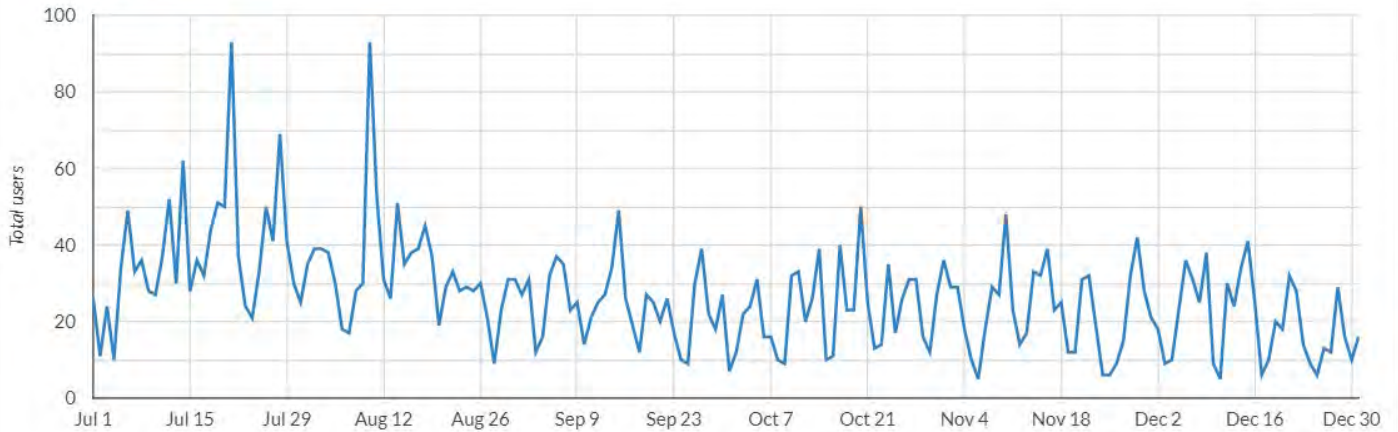


Jul 1, 2022 - Dec 31, 2022

BCWMC Website Traffic Summary *New analytics version as of July 1, 2022

Total users	New users	Engaged sessions	Views	Average session duration
3,644	3,630	3,268	11,077	00:01:15

Users per Day



Referrals & Social Media Sources

Session source	Engaged sessions
1. goldenvalleymn.gov	44
2. m.facebook.com	14
3. surveymonkey.com	13
4. crystalmn.gov	8
5. pca.state.mn.us	7
6. epermits.logis.org	6
7. westmetrowateralliance...	6

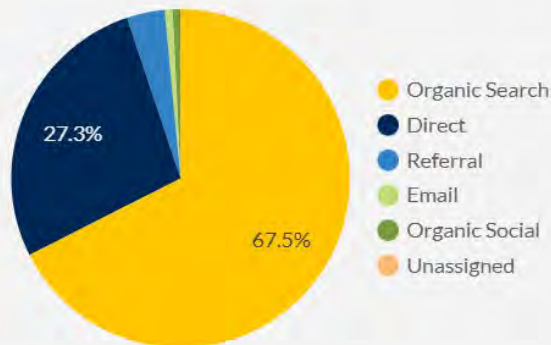
1 - 10 / 33 < >

Sessions by Regional Cities (MN)

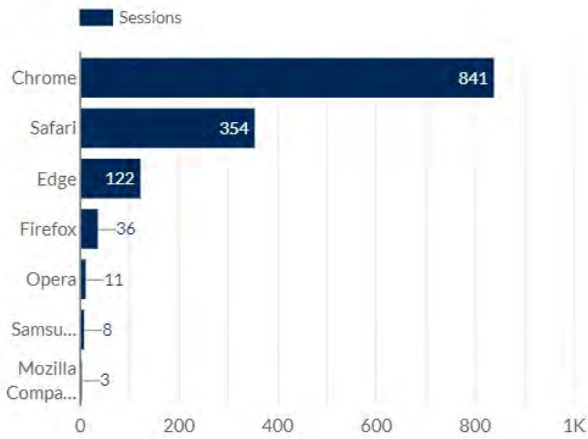
City	Engaged se...	Total users
1. Minneapolis	547	689
2. Golden Valley	238	161
3. Plymouth	212	119
4. Eden Prairie	196	42
5. Saint Paul	155	140
6. Edina	96	37
7. Minnetonka	71	74
8. Crystal	57	85
9. St. Louis Park	53	53
10. Maple Grove	45	47
11. Brooklyn Park	39	49
12. Orono	39	14
13. Coon Rapids	35	10
14. Chanhassen	27	7
15. Bloomington	26	37
16. Ham Lake	22	7
17. Mankato	22	9

1 - 20 / 131 < >

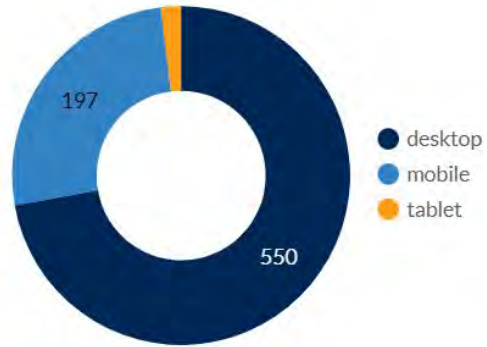
Sessions by Acquisition Type



Sessions by browser



Sessions by Device Type



Top Pages/Page Views

	Page path	Views
1.	/index.php	493
2.	/	419
3.	/projects	112
4.	/document/meeting-materials-minu	103
5.	/lakes-streams/main-stem-bassett-creek	100
6.	/lakes-streams	98
7.	/lakes-streams/sweeney-lake	91
8.	/document/meeting-materials-minu/meeting-materials/thursday-april-20-2023	75
9.	/meeting-events	70
10.	/contact	66
11.	/lakes-streams/plymouth-creek	66
12.	/about/our-members	62
13.	/developer/standards-requirements	62
14.	/lakes-streams/twin-lake	57
15.	/lakes-streams/lost-lake	53
16.	/lakes-streams/medicine-lake	51
17.	/developer/permit-application	48
18.	/document/wmp-plans	48