

Appendix C

Water Resource-Related Activities of Member Organizations

Water Resource-Related Activities of MWMO Member Organizations

Water Resource-Related Activities of MWMO Member Organizations

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Topics described in the table below that are not relevant to individual MWMO member organizations are omitted from Table 1 through Table 11, as applicable. Additional watershed resources and studies performed by the MWMO are available at:

<https://www.mwmo.org/monitoring-and-reports/watershed-assessment/>

Jurisdictional Authorities and Responsibilities within the MWMO	
Water Category and Topics	Applicability/Description for each Topic
Wetlands	
Wetland Conservation Act (WCA)	Applies to the drainage, fill, or excavation of jurisdictional wetlands (meeting the criteria for soil, hydrology, and vegetation outlined in the 1987 Army Corps of Engineers Wetland Delineation Manual) in the state that are not regulated by MDNR as Public Waters wetlands. Proposed projects are required to demonstrate compliance with "sequencing": 1) that wetland impacts are avoided as much as possible, 2) that to the extent wetland impacts cannot be avoided, the wetland impacts are minimized, and 3) that unavoidable wetlands are repaired or replaced (including creating replacement wetland areas having equal or greater public value, if restoration opportunities are not reasonably available. Certain wetland activities are exempt from the act, allowing projects with minimal impact or projects located on land where certain pre-established land uses are present to proceed without regulation.

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Jurisdictional Authorities and Responsibilities within the MWMO	
Water Category and Topics	Applicability/Description for each Topic
Public Waters Work Permit	<p>Applies to all water development activities below the ordinary high water level (OHWL) in public waters. The Public Waters Work Permit Program applies to those lakes, wetlands, and streams identified on DNR Public Water Inventory maps and those waters meeting criteria of Minnesota Statute 103G.005 Sub. 15. Proposed projects affecting the course, current, or cross-section of these waterbodies may require a Public Waters Work Permit.</p> <p>Public waters in the MWMO include:</p> <ul style="list-style-type: none"> - Mississippi River - Loring Pond (PWI # 27-0655P) - Mallard Marsh (PWI# 62-0259W) - Sullivan (Sandy) Lake (PWI# 02-0080P) - Highland (Unnamed) Lake (PWI# 02-0079P) - Unnamed Lake (PWI #02-687P) - Unnamed Wetland (PWI# 02-0686W)
Wetland Inventories	Create and maintain wetland inventories
Monitoring Programs	Administers, conducts, and coordinates monitoring of waterbodies.
Surface Waters	
NPDES Phase I and II Stormwater Permit	Applies to Minneapolis and St. Paul and all metro cities operating a Municipal Separate Storm Sewer System (MS4) and other designated entities. Program is designed to reduce the amount of sediment and pollution that enters surface and ground water from storm sewer systems to the maximum extent practicable. Stormwater discharges associated with MS4s are regulated and the owners or operators of these systems are required to develop a SWPPP that incorporates best management practices applicable to their jurisdiction. An update to the MPCAs MS4 General Permit was adopted in 2020.
NPDES Construction Permit	Applies to anyone disturbing one acre or more. Permit covers measures to control erosion and sedimentation during construction activity and long-term post-construction water quality and stormwater management.
NPDES Industrial Stormwater General Permit	Applies to industrial and municipal facilities with stormwater discharges associated with 10 categories of industrial activities. Facilities that have applied for this permit and have coverage under this permit must develop and implement a SWPPP designed to eliminate or minimize stormwater contact with significant materials that may result in polluted stormwater discharges from the facility.

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Jurisdictional Authorities and Responsibilities within the MWMO	
Water Category and Topics	Applicability/Description for each Topic
Water Quality Standards	Water Quality Standards are the foundation of the water quality-based pollution control program mandated by the Clean Water Act. Water Quality Standards define the goals for a waterbody by designating its uses, setting criteria to protect those uses, and establishing provisions to protect waterbodies from pollutants. In Minnesota, the Clean Water Act is administered through the authority of the MPCA.
Impaired Waters	Applies to water bodies not meeting water quality standards. The federal Clean Water Act (CWA) requires states to adopt water quality standards to protect waters from pollution. These standards define how much of a pollutant can be in the water and still allow it to meet designated uses, such as drinking water, fishing, and swimming. Waters not meeting water quality standards consistent with designated uses are listed as impaired and placed on the "impaired waters 303(d) list." Total Maximum Daily Load (TMDL) studies are performed to identify pollutant load reductions necessary to achieve water quality standards.
Surface Water Management	Covers the development of Local Water Management Plans (WMPs) to address a broad range of water resource issues.
Water Appropriations Permit	Permit is required for all users withdrawing more than 10,000 gallons per day or 1 million gallons per year from surface or groundwater and for consumptive or non-consumptive use.
Public Water Access	Locations of access points into public waters.
Monitoring Programs	Administers, conducts, and coordinates monitoring of water bodies.
Floodplains/Flooding	
Floodplain Programs	Floodplain programs promote and ensure sound land use development in floodplain areas in order to promote the health and safety of the public, minimize loss of life, and reduce economic losses caused by flood damages by supporting both corrective and preventative measures for reducing flood damage. Programs often include requirements for zoning, subdivision or building, and special purpose floodplain ordinances.
Floodplain Studies and Mapping	Floodplain studies result in the development of maps of a community on which special flood hazard areas have been delineated, often defining where any floodplain regulations may be applied. Mapping certified by FEMA serves as a basis for the NFIP program, but communities and WMOs may also maintain floodplain maps for local use outside of the NFIP program.
Monitoring Programs	Administers, conducts, and coordinates monitoring of water bodies.
Shoreland	

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Jurisdictional Authorities and Responsibilities within the MWMO	
Water Category and Topics	Applicability/Description for each Topic
Shoreland Management Program	The Shoreland program provides the framework for statewide standards that local governmental units must adopt into their own land use controls to provide for the orderly development and protection of shorelands (both rivers and lakes). At a minimum, shorelands are defined as lands within 1,000 feet of a lake greater than 25 acres (10 acres in a municipality) or within 300 feet of a river and its designated floodplain defined by the ordinary high water level (OHWL).
Monitoring Programs	Administers, conducts, and coordinates monitoring of water bodies.
Navigable Waters	
Monitoring Programs	Administers, conducts, and coordinates monitoring of water bodies.
Groundwater/Drinking Water	
Water Appropriations	A water appropriation issue by the DNR is required for all users withdrawing more than 10,000 gallons of water per day or 1 million gallons per year, with several exemptions.
Groundwater Pollution Standards (Safe Drinking Water Act)	Establishes water quality standards to protect groundwater resources from pollution.
Public Drinking Water Program	The Public Drinking Water Program was developed to monitor and regulate the construction and operation of public water supply systems.
Source Water Assessment Program	The Source Water Protection Program was developed to help prevent contaminants from entering public drinking water sources, and includes wellhead protection, source water assessments, and protection of surface water intakes.
Wellhead Protection Program	The Wellhead Protection Program helps prevent drinking water from becoming polluted by managing potential sources of contamination in the area which supplies water to a public well.
Well Management Program	The Well Management Program protects both public health and groundwater quality by assuring the proper construction of new wells and borings, and the proper sealing of unused wells and borings.
Monitoring Programs	Administers, conducts, and coordinates monitoring of water bodies.
Wastewater Treatment	
Industrial Discharge Permit	Applies to industrial discharges into the Metropolitan Disposal System (public sanitary sewer system) to ensure compliance with local and federal regulations (unless MCES determines that the wastewater has an insignificant impact on public sewers).
NPDES Industrial and Municipal Wastewater Permit	Applies to a number of different waste types and activities, including industrial process wastewater, contact and non-contact cooling water, stormwater, contaminated ground water pumpouts, water supply treatment backwash, and wastewater treatment sludges.
Inflow and Infiltration Program	Inflow and infiltration is clear water that enters the sewer system from a variety of sources
Monitoring Programs	Administers, conducts, and coordinates monitoring of water bodies.

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Jurisdictional Authorities and Responsibilities within the MWMO	
Water Category and Topics	Applicability/Description for each Topic
Habitat/Ecological Resources	
Rough Fish Removal Permits	Permits required for any fisheries impacting activities within any of the water bodies identified as part of the Public Waters Inventory (PWI)
Fish Transport and Stocking Permits	Permits required for any fisheries impacting activities within any of the water bodies identified as part of the Public Waters Inventory (PWI)
Fishing Tournament Permits	Permits required for any fisheries impacting activities within any of the water bodies identified as part of the Public Waters Inventory (PWI)
Aquatic Plant Management and Nuisance Control Permits	Permits required for any fisheries-impacting activities within any of the water bodies identified as part of the Public Waters Inventory (PWI)
Aeration System Operating Permit	Permits required for any fisheries-impacting activities within any of the water bodies identified as part of the Public Waters Inventory (PWI)
Upper Mississippi River Restoration Program	Intended to ensure the viability and vitality of the Upper Mississippi River System's (UMRS) diverse and significant fish and wildlife resources.
Upper Mississippi River Resource Forum	The River Resources Forum, or RRF, is a state and federal agency partnership for addressing resource issues concerning the Upper Mississippi River system within the St. Paul District jurisdiction. Participating agencies include: the U.S. Army Corps of Engineers, the U.S. Fish and Wildlife Service, the U.S. Coast Guard, the Environmental Protection Agency, the Natural Resources Conservation Service, the National Park Service, the MPCA, and MDNR.
Continuing Authorities Program (CAP)	Authority to implement Aquatic Ecosystem Restoration projects designed to develop aquatic ecosystem restoration and protection projects that improve the quality of the environment, are in the public interest and are cost effective. Also, the authority to implement Project Modifications, designed to modify existing USACOE projects for the purpose of improving environmental quality.
Other Ecological Inventories	Programs that inventory ecological data such as native plants and plant communities, rare plant and animal species, and functional landscapes.
Monitoring Programs	Administers, conducts, and coordinates monitoring of water bodies.
Misc. Habitat/Ecological Studies	
Hazardous Waste	
Hazardous Waste	Wide range of programs dealing with hazardous wastes
Contaminated Sites Database	Database of contaminated sites
Non-water-based transportation of Hazardous Wastes	Rules and regulations governing the movement of hazardous wastes by means other than by water.

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Jurisdictional Authorities and Responsibilities within the MWMO	
Water Category and Topics	Applicability/Description for each Topic
Water-based transportation of hazardous waste	Rules and regulations governing the movement of hazardous wastes over water.
Above- and below-ground storage tanks	Regulates design, use of petroleum storage tanks, and the cleanup of leaks.
Monitoring Programs	Administers, conducts, and coordinates monitoring of waterbodies.
Power Generation	
Hydropower License	License needed for operating hydropower facilities
Environmental Review	
Environmental Review	Conducts environmental reviews of certain projects (as outlined in the state rules) and is typically in the form of an Environmental Assessment Worksheet (EAW) or an Environmental Impact Statement (EIS).
Mississippi River Corridor Plans	
Mississippi River Corridor Plans	A variety of plans have been developed by various agencies to manage land use and development along the Mississippi River Corridor
General Contact Information	

Water Resource-Related Activities of MWMO Member Organizations

Table 1. Water Resource-Related Activities of MWMO Member Organizations: City of Saint Anthony

Water Category and Topics	Activity Type	MWMO	City of Saint Anthony
Wetlands			
Wetland Conservation Act (WCA)	Authority		- Administers WCA as the LGU - Develops and enforces local controls - Wetland regulation is described in the City local water management plan
	Contact		See general contact information at end of table
	Responsibility		May create comprehensive wetland management plan
	Contact		See general contact information at end of table
Public Waters Work Permit	Authority	Reviews and comments on Public Works applications before DNR (e.g. dam repair permits)	
	Contact	See general contact information at end of table	
Wetland Inventories	Responsibility	Conduct a Wetland Function and Value Assessment within the Watershed	
Monitoring Programs	Responsibility	Wetland monitoring program Monitor Kasota Ponds wetland complex.	
	Contact	See general contact information at end of table	
Surface Waters			
NPDES Phase I and II Stormwater Permit	Authority	Opportunity to comment on member cities annual reports, generally in April of each year	- An MS4. Maintains a Stormwater Pollution Prevention Program (SWPPP) to reduce the discharge of pollutants to the maximum extent practicable. The SWPPP covers six minimum control measures: 1. Public education and outreach 2. Public participation/involvement 3. Illicit discharge detection and elimination 4. Construction site runoff control 5. Post-construction site runoff control 6. Pollution prevention/good housekeeping Permit requires city to adopt ordinances to address

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Saint Anthony
			illicit discharge, construction site runoff, and post-construction runoff control. Permit requires city to adopt ordinances to address illicit discharge, construction site runoff, and post-construction runoff control. - Administers ordinances, reviews plans, and issues permits for compliance with MS4 Permits (SWPPP). This includes an approved SWPPP for all building and land use zoning permits.
	Contact		Jeremy Gumke 612-782-3441 JeremyGumke@savmn.com
NPDES Construction Permit	Authority		City ordinance chapter 153 generally requires a city permit for all land disturbing activity of one acre or more of land.
	Contact		See general contact information at end of table.
NPDES Industrial Stormwater General Permit	Authority		City erosion and stormwater ordinances may apply, depending on size of disturbance
	Contact		See general contact information at end of table
Stormwater Treatment Standards	Authority	Sets stormwater quality and quantity (rate and volume) performance standards watershed-wide for areas within its jurisdiction that are at least as stringent as State Stormwater Standards.	Chapter 153 of the City code references stormwater management performance standards defined in the City's Comprehensive Water Resources Management Plan.
	Contact	See general contact information at end of table	Steve Grittman City Planner 763-957-1100 planner@savmn.com
Impaired Waters	Responsibility	The MWMO is not a MS4 (i.e., wasteload reductions identified in TMDLs are not assigned to the MWMO). However, it may voluntarily work with the MS4's to plan and implement TMDLs within the watershed.	The City of Saint Anthony is responsible for implementing measures to meet the defined wasteload allocation for their Municipal Separate Storm Sewer System (MS4) for approved TMDLs.

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Water Category and Topics	Activity Type	MWMO	City of Saint Anthony
	Contact	See contact information at end of table.	See general contact information at end of table
Surface Water Management	Authority	<ul style="list-style-type: none"> - Adopts Water Management Plan (WMP) per approval of BWSR. 10-year WMP addresses MWMO standards, goals, strategies, implementation actions to be carried out, and descriptions of program areas. - Requires local governments to adopt their own Water Management Plan consistent with WMO Plan. - Reviews and approves local water management plans. Denial of local water management plan has potential to holdup approval of City comprehensive plan. 	<ul style="list-style-type: none"> - Adopts local water management plan consistent with MWMO Water Management Plan. - Current Plan is included in the 2040 Comprehensive Plan: https://www.savmn.com/DocumentCenter/View/979/St-Anthony-2040-Comprehensive-Plan
	Contacts	See general contact information at end of table	See general contact information at end of table
Monitoring Programs	Responsibility	Monitoring and Outfall Study. An ongoing program to establish baseline water quantity and quality data that can be used for management of outfalls and receiving waters. Six sites are monitored, five stormwater outfalls discharging to the River, and one site at Loring Pond.	
	Contact	See general contact information at end of table	
Floodplains-Flooding			
Floodplain Programs	Authority		<ul style="list-style-type: none"> - Administers and enforces MDNR-approved floodplain ordinances including review of development applications to ensure compliance with ordinance; - Administers NFIP (National Floodplain Insurance Program). - Floodplain ordinance is city code Title XV: Land Usage - Chapter 154: Flood Issues
	Contact		See general contact information at end of table
	Responsibility	Requires members to have a MDNR-approved	

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Water Category and Topics	Activity Type	MWMO	City of Saint Anthony
		Floodplain Ordinance as part of the review of local water management plans for inclusion of appropriate floodplain policies	
	Contact	See general contact information at end of table	
Localized flooding Studies and Mapping	Authority		While Public Works manages "localized flooding" studies and projects, Public Works does not have a role in FEMA floodplain planning, mapping, or administration. The city may maintain local floodplain mapping.
	Contact		See general contact information at end of table
	Responsibility	MWMO leads or participates in watershed flooding studies for member cities	
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Mississippi river gage reading program	
Shoreland			
Shoreland Management Program	Responsibility	<ul style="list-style-type: none"> - Requires members to have a MDNR-approved Shoreland Ordinance - Reviews local water management plans for inclusion of appropriate shoreland management policies. - Provides guidance on restoration of eroded Mississippi Riverbank areas. 	
	Contact	See general contact information at end of table	
Groundwater - Drinking Water			
Wellhead Protection Program	Authority		Implements the local wellhead protection plan, adopted in 2005. The city's wellhead protection area is located within the MWMO.
	Contact		See general contact information at end of table
Monitoring Programs	Responsibility	Monitor Mississippi River	Drinking water quality reports available at: https://www.savmn.com/204/Water-Sewer

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Water Category and Topics	Activity Type	MWMO	City of Saint Anthony
	Contact	See general contact information at end of table	
Wastewater Treatment			
NPDES Industrial and Municipal wastewater permit	Responsibility	Funds programs to separate stormwater from entering sanitary sewer system.	
	Contact	See general contact information at end of table	
Inflow and Infiltration Program	Authority		City Code Chapter 50 regulates/prohibits discharges to the sanitary sewer.
	Contact		See general contact information at end of table
	Responsibility	Provide information on potential surface and groundwater interaction hazards	
	Contact	See general contact information at end of table	
Habitat - Ecological Resources			
Other Ecological Inventories	Responsibility	Conduct studies on a local watershed scale that inventory ecological data such as native plants and plant communities, rare plant and animal species, and functional landscapes.	
Hazardous Waste			
Contaminated Sites Database	Responsibility	Gather information and data on contaminated soils and groundwater affecting groundwater and surface water interactions	
	Contact	See general contact information at end of table	
Environmental Review			
Environmental Review	Authority		Reviews EAW, EIS, and projects for environmental impacts in the City, as needed

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Water Category and Topics	Activity Type	MWMO	City of Saint Anthony
	Contact		See general contact information at end of table
	Responsibility	Reviews and comments on Major redevelopment EAW/EIS within the Watershed regarding impacts on water quality, rate, and volume	
	Contact	See general contact information at end of table	
General Contact Information			
		Mississippi Watershed Management Organization 2522 Marshall St NE, Minneapolis, MN 55413 Telephone: (612) 465-8780 Web: http://www.mwmo.org/	City of Saint Anthony 3301 Silver Lake Road Saint Anthony, MN 55418 Telephone: (612) 782-3301 Web: http://www.ci.saint-anthony.mn.us/

Water Resource-Related Activities of MWMO Member Organizations

Table 2. Water Resource-Related Activities of MWMO Member Organizations: City of Minneapolis

Water Category and Topics	Activity Type	MWMO	City of Minneapolis
Wetlands			
Wetland Conservation Act (WCA)	Authority		- Administers WCA as the LGU - Develops and enforces ordinances - Wetland protection included in "Protection of Natural Features" ordinance of City Code
	Contact		Public Works Surface Water and Sewers Division
	Responsibility		May create comprehensive wetland management plan
	Contact		See general contact information at end of table
Public Waters Work Permit	Authority	Reviews and comments on Public Works applications before DNR (e.g. dam repair permits)	
	Contact	See general contact information at end of table	
Wetland Inventories	Responsibility	Conduct a Wetland Function and Value Assessment within the Watershed,	
Monitoring Programs	Responsibility	Wetland monitoring program Monitor Kasota Ponds wetland complex.	
	Contact	See general contact information at end of table	
Surface Waters			
NPDES Phase I and II Stormwater Permit	Authority	Opportunity to comment on member cities annual reports, generally in April of each year	The City and MPRB are co-permittees of NPDES/SDS Permit No. MN 0061018, which is a Phase 1 permit for the Minneapolis stormsewer system. First issued in 2000, this permit has been reissued by the MPCA in 2011 and again in 2018. Following issuance of the permit, a Stormwater Management Program will be developed with the following categories: Public Education and Outreach, Public Participation, Illicit Discharge Detection and Elimination, Construction Site Stormwater Runoff Control, Post-Construction Stormwater Management in New Development

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Water Category and Topics	Activity Type	MWMO	City of Minneapolis
			and Redevelopment, Pollution Prevention/Good Housekeeping for Municipal Operations, Pilot Projects, and Monitoring and Assessment. Annual reporting is done to the MPCA. The Stormwater Management Program was last updated in July 2019.
	Contact	See general contact information at end of table	Public Works Surface Water and Sewers Division
NPDES Construction Permit	Authority		In addition to the NPDES Construction Permits which are issued by the MPCA, the City requires Erosion and Sediment Control Permits under its Chapter 52 Ordinance. A permit is required for any activity that disturbs more than 5 cubic yards or 500 ft ² of soil. Chapter 54 of the Minneapolis Code of Ordinances requires a stormwater management plan, implementation, maintenance schedule and annual registration for any site or phased development of 1 or more acres.
	Contact		Public Works Surface Water and Sewers Division.
NPDES Industrial Stormwater General Permit	Authority		In addition to the NPDES Industrial Stormwater Permits which are issued by the MPCA, the City has requirements related to industrial sites and illicit discharges, primarily in Chapter 48 and Chapter 50 Ordinances.
	Contact		Regulatory Services Environmental Management
Stormwater Treatment Standards	Authority	Sets stormwater quality and quantity (rate and volume) performance standards watershed-wide for areas within its jurisdiction that are at least as stringent as State Stormwater Standards.	The City's requirements for development and re-development projects are in its Chapter 54 Ordinance, Stormwater Management.
	Contact	See general contact information at end of table	Public Works Surface Water and Sewers Division
Impaired Waters	Responsibility	The MWMO is not a MS4. However, it may voluntarily work with the MS4's to plan and implement TMDL's within the watershed.	The City of Minneapolis is responsible for implementing measures to meet the defined wasteload allocation for their Municipal Separate

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Minneapolis
			Storm Sewer System (MS4) for approved TMDLs.
	Contact	See general contact information at end of table	Public Works Surface Water and Sewers Division
Surface Water Management	Authority	<ul style="list-style-type: none"> - Adopts Water Management Plan (WMP) per approval of BWSR. 10-year WMP addresses MWMO standards, goals, strategies, implementation actions to be carried out, and descriptions of program areas. - Requires local governments to adopt their own Water Management Plan consistent with WMO Plan. - Reviews and approves local water management plans. Denial of local water management plan has potential to holdup approval of City comprehensive plan 	<ul style="list-style-type: none"> - Adopts Local Surface Water Management Plan consistent with Water Management Plans of watershed organizations in Minneapolis (BCWMC, MWMO, MCWD, SCWD). - Current plan was adopted September, 2019
	Contacts	See general contact information at end of table	Public Works Surface Water and Sewers Division http://www2.minneapolismn.gov/publicworks/stormwater/stormwater_local-surface
Water Appropriations Permit	Authority		City issues permits related to projects holding Water Appropriations Permits from the MDNR
	Contact		Regulatory Services Environmental Management
Monitoring Programs	Responsibility	Monitoring and Outfall Study. An ongoing program to establish baseline water quantity and quality data that can be used for management of outfalls and receiving waters. Six sites are monitored, five stormwater outfalls discharging to the River, and one site at Loring Pond.	City and MPRB carry out monitoring in accordance with their Phase 1 NPDES Permit
	Contact	See general contact information at end of table	Public Works Surface Water and Sewers Division.
Floodplains-Flooding			
Floodplain Programs	Authority		- Administers and enforces MDNR-approved floodplain ordinances including review of development applications to ensure compliance

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Water Category and Topics	Activity Type	MWMO	City of Minneapolis
			with ordinance; - Administers NFIP at the Local Level - Floodplain ordinance is Chapter 551, Article VII of the city code:
	Contact		Department of Community Planning and Economic Development – Planning
	Responsibility	Requires members to have a MDNR-approved Floodplain Ordinance as part of the review of local water management plans for inclusion of appropriate floodplain policies	Administers the Minneapolis Flood Mitigation Program, designing and implementing flood risk reduction projects to minimize the impact on the water quality of the receiving surface water, in addition to providing localized flooding relief
	Contact	See general contact information at end of table	Public Works Surface Water and Sewers Division
Localized Flooding Studies and Mapping	Authority		While Public Works manages "localized flooding" studies and projects, Public Works does not have a role in FEMA floodplain planning, mapping, or administration. The city may maintain local floodplain mapping.
	Contact		Department of Community Planning and Economic Development – Planning.
	Responsibility	MWMO leads or participates in watershed flooding studies for member cities	
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Mississippi river gage reading program	
Shoreland			
Shoreland Management Program	Authority		- Administers and enforces local shoreland management standard through planning and zoning ordinances for all development occurring within the Shoreland Overlay District (defined in the City of Minneapolis Ordinances). - Shoreland ordinance is included in Chapter 551, Article VI of the city code
	Contact		City of Minneapolis Department of Community

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Water Category and Topics	Activity Type	MWMO	City of Minneapolis
			Planning and Economic Development
	Responsibility	<ul style="list-style-type: none"> - Requires members to have a MDNR-approved Shoreland Ordinance - Reviews local water management plans for inclusion of appropriate shoreland management policies. - Provides guidance on restoration of eroded Mississippi Riverbank areas 	
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Monitors Mississippi riverbank erosion	
	Contact	See general contact information at end of table	
Navigable Waters			
Monitoring Programs	Responsibility	Partnering with the City of Minneapolis Homeland Security department to monitor the riverway and its infrastructure	
	Contact	See general contact information at end of table	
Groundwater-Drinking Water			
Water Appropriations	Authority		Any well installations must be permitted by the City of Minneapolis Chapter 48.
	Contact		Department of Regulatory Services - Environmental Services (612) 673-3000
Groundwater Pollution Standards (Safe Drinking Water Act)	Authority		City works to prevent pollution of soil and groundwater as outlined in Chapter 48.
	Contact		Department of Regulatory Services - Environmental Services (612) 673-3000.
Public Drinking Water Program	Authority		No public wells are operating in the city, transient community water wells are operating at some

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Water Category and Topics	Activity Type	MWMO	City of Minneapolis
			Minneapolis parks and trails. Samples are taken in these wells annually to ensure the water is potable.
	Contact		Department of Regulatory Services - Environmental Services (612) 673-3000
Source Water Assessment Program	Authority		Implements the local source water protection plan. Part 1 was completed in 2005. Part 2 was completed in 2008. Local pollution control enforcement to prevent illegal disposal and discharge
	Contact		Public Works Water treatment and Distribution Division
	Responsibility	Share Mississippi River water quality data	
	Contact	See general contact information at end of table	
Wellhead Protection Program	Authority		Parts of the Richfield Wellhead protection area fall within South Minneapolis
	Contact		Public Works Water treatment and Distribution Division
Well Management Program	Authority		<ul style="list-style-type: none"> - The City of Minneapolis Monitoring and Recovery Well Program issues permits for the construction and sealing of wells (not including dewatering wells and environmental bore holes) as well as reviewing plans and inspecting construction and sealing of wells. - Maintains the well maintenance permit program for monitoring wells (excluding dewatering wells) within the City.
	Contact		City of Minneapolis Environmental Services
Monitoring Programs	Responsibility	Monitor Mississippi River	Drinking water quality reports available at: https://www2.minneapolismn.gov/government/departments/public-works/water-treatment-distribution/water-quality-reports/
	Contact	See general contact information at end of table	

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Minneapolis
Wastewater Treatment			
NPDES Industrial and Municipal Wastewater	Authority		<p>The City and Metropolitan Council Environmental Services are co-permittees of NPDES/SDS Permit No. MN 0046744, which is a Combined Sewer System permit. The permit was issued in 1997 and expired June 30, 2001. An application for permit reissuance submitted in December 2000 has not been action on by the MPCA; however the parties are allowed to operate under the permit. Annual reporting is done to the MPCA.</p> <p>Additionally, MCES issues permits for industrial discharges to sanitary sewers in Minneapolis, and the City issues permits for any connections to sanitary sewers in Minneapolis.</p>
	Contact		Public Works Surface Waters and Sewers Division
	Responsibility	Funds programs to separate stormwater from entering sanitary sewer system.	
	Contact	See general contact information at end of table	
Inflow and Infiltration Program	Authority		I/I Program is required by Metropolitan Council Environmental Services (MCES). Closely related to Combined Sewer Overflow Program. Program includes Chapter 56 Rainleader Ordinance, and capital projects and other programs to remove clear water (primarily stormwater) from the sanitary sewer system.
	Contact		Public Works Surface Waters and Sewers Division
	Responsibility	Provide information on potential surface and groundwater interaction hazards	
	Contact	See general contact information at end of table	
Habitat-Ecological			

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Water Category and Topics	Activity Type	MWMO	City of Minneapolis
Resources			
Other Ecological Inventories	Responsibility	Conduct studies on a local watershed scale that inventory ecological data such as native plants and plant communities, rare plant and animal species, and functional landscapes	
Misc. Habitat/Ecological Studies			The City Comprehensive Plan contains information about natural resources. https://minneapolis2040.com/topics/environmental-systems/
Hazardous Waste			
Contaminated Sites Database	Responsibility	Gather information and data on contaminated soils and groundwater affecting groundwater and surface water interactions	Minneapolis monitors locations of contaminated properties
	Contact	See general contact information at end of table	Regulatory Services Environmental Management
Non-water-based transportation of Hazardous Wastes	Authority		Responds to spills and administers cleanup (Environmental Services, Fire Department, and Public Works)
	Contact		Regulatory Services Environmental Management
Water-based transportation of Hazardous Waste	Authority		Responds to spills and administers cleanup (Environmental Services, Fire Department, and Public Works)
	Contact		Regulatory Services Environmental Management
Above- and below-ground storage tanks	Authority		Registers operation and permits installation, removal or abandonment in place of all Underground Storage Tanks (UST) in Minneapolis and all Above-Ground Storage Tanks (AST) over 250 gallons, or cumulative AST storage exceeding 250 gallons for compliance to state and local regulations.

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Minneapolis
	Contact		Regulatory Services Environmental Management
Power Generation			
Hydropower License	Responsibility	Reviews and comments on projects for effect on water quality, flow rate of Mississippi River	
	Contact	See general contact information at end of table	
Environmental Review			
Environmental Review	Authority		Reviews NPDES permits, EAW, EIS and projects for environmental impacts in the City, as needed
	Contact		Numerous departments including Public Works and Community Planning and Economic Development.
	Responsibility	Reviews and comments on Major redevelopment EAW/EIS within the Watershed regarding impacts on water quality, rate, and volume	
	Contact	See general contact information at end of table	
Mississippi River Corridor Plans			
Mississippi River Corridor Plans	Authority	Determine if erosion control structures within the bluff impact zone and the water quality impact zone are used only to correct an established erosion problem	<ul style="list-style-type: none"> - Collaborate with MDNR to adopt rules to ensure compliance with state statutes establishing the Mississippi River Corridor Critical Area (MRCCA), 2008 M.S.116G.15 - The City of Minneapolis has adopted a Mississippi River Critical Area Overlay District on its zoning map and in the zoning code (Chapter 551, Article XXII).
	Contact		City of Minneapolis Department of Community Planning and Economic Development (CPED)
	Responsibility		<ul style="list-style-type: none"> - Develops local implementation plan for within the MNRRA/Critical Areas - Current Mississippi River Critical Area Plan was adopted as part of 2040 Comprehensive Plan:

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Minneapolis
			https://minneapolis2040.com/media/1479/pdf/minneapolis2040-just-app-a.pdf
	Contact	See general contact information at end of table	City of Minneapolis Department of Community Planning and Economic Development (CPED)
General Contact Information			
		Mississippi Watershed Management Organization 2522 Marshall St NE, Minneapolis, MN 55413 Telephone: (612) 465-8780 Web: http://www.mwmo.org/	City of Minneapolis Minneapolis City Hall 350 South 5th Street Minneapolis, MN 55415 Web: http://www.ci.minneapolis.mn.us/

Water Resource-Related Activities of MWMO Member Organizations

Table 3. Water Resource-Related Activities of MWMO Member Organizations: City of Lauderdale

Water Category and Topics	Activity Type	MWMO	City of Lauderdale
Wetlands			
Wetland Conservation Act (WCA)	Authority		- Administers WCA as the LGU - Develops and enforces local controls - Wetland regulation is described in the City local water management plan
	Contact		See general contact information at end of table
	Responsibility		May create comprehensive wetland management plan
	Contact		See general contact information at end of table
Public Waters Work Permit	Authority	Reviews and comments on Public Works applications before DNR (e.g. dam repair permits)	
	Contact	See general contact information at end of table	
Wetland Inventories	Responsibility	Conduct a Wetland Function and Value Assessment within the Watershed	
Monitoring Programs	Responsibility	Wetland monitoring program Monitor Kasota Ponds wetland complex.	
	Contact	See general contact information at end of table	
Surface Waters			
NPDES Phase I and II Stormwater Permit	Authority	Opportunity to comment on member cities annual reports, generally in April of each year	An MS4. Required to adopt a Stormwater Pollution Prevention Program (SWPPP) to reduce the discharge of pollutants to the maximum extent practicable. The SWPPP covers six minimum control measures: 1. Public education and outreach 2. Public participation/involvement 3. Illicit discharge detection and elimination 4. Construction site runoff control 5. Post-construction site runoff control 6. Pollution prevention/good housekeeping

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Lauderdale
			Permit requires city to adopt ordinances to address Illicit discharge, construction site runoff, and post-construction runoff control. Administers ordinances, reviews plans, and issues permits for compliance with MS4 permit (SWPPP). This includes a SWPPP for land disturbing activities greater than one acre. Building and land use zoning permits are not approved without an approved SWPPP.
	Contact	See general contact information at end of table	Heather Butkowski (city administrator) (651) 631-0300 heather.butkowski@lauderdalemn.org
NPDES Construction Permit	Authority		City ordinance 8-4 generally requires a city permit for all land disturbing activity of one acre or more of land.
	Contact		See general contact information at end of table
NPDES Industrial Stormwater General Permit	Authority		City erosion and stormwater ordinances may apply, depending on size of disturbance
	Contact		See general contact information at end of table
Stormwater Treatment Standards	Authority	Sets stormwater quality and quantity (rate and volume) performance standards watershed-wide for areas within its jurisdiction that are at least as stringent as State Stormwater Standards.	Chapter 8-4 of the City code references stormwater management performance standards defined in the City's Local Surface Water Management Plan.
	Contact	See general contact information at end of table	Heather Butkowski (city administrator) (651) 631-0300 heather.butkowski@lauderdalemn.org
Impaired Waters	Responsibility	The MWMO is not a MS4. However, it may voluntarily work with the MS4's to plan and implement TMDL's within the watershed.	The City of Lauderdale is responsible for implementing measures to meet the defined wasteload allocation for their Municipal Separate Storm Sewer System (MS4) for approved TMDLs

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Lauderdale
	Contact	See general contact information at end of table	See general contact information at end of table
Surface Water Management	Authority	<ul style="list-style-type: none"> - Adopts Water Management Plan (WMP) per approval of BWSR. 10-year WMP addresses MWMO standards, goals, strategies, implementation actions to be carried out, and descriptions of program areas. - Requires local governments to adopt their own Water Management Plan consistent with WMO Plan. - Reviews and approves local water management plans. Denial of local water management plan has potential to holdup approval of City comprehensive plan 	<ul style="list-style-type: none"> - Adopts local water management Plan Consistent with MWMO and CRWD Water Management Plans - Current Plan was adopted October 2018
	Contacts	See general contact information at end of table	See general contact information at end of table
Monitoring Programs	Responsibility	Monitoring and Outfall Study. An ongoing program to establish baseline water quantity and quality data that can be used for management of outfalls and receiving waters. Six sites are monitored, five stormwater outfalls discharging to the River, and one site at Loring Pond.	
	Contact	See general contact information at end of table	
Floodplains-Flooding			
Floodplain Programs	Authority		<ul style="list-style-type: none"> - Administers and enforces MDNR-approved floodplain ordinances, including review of development applications to ensure compliance with ordinance. City has no FEMA-mapped floodplain. Local controls apply to areas susceptible to being inundated by water from any source - Floodplain ordinance is Title 10 Zoning - Floodplain Regulations
	Contact		See general contact information at end of table

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Lauderdale
	Responsibility	Requires members to have a MDNR-approved Floodplain Ordinance as part of the review of local water management plans for inclusion of appropriate floodplain policies	
	Contact	See general contact information at end of table	
Localized flooding Studies and Mapping	Authority		While Public Works manages "localized flooding" studies and projects, Public Works does not have a role in FEMA floodplain planning, mapping, or administration. The city may maintain local floodplain mapping.
	Contact		See general contact information at end of table.
	Responsibility	MWMO leads or participates in watershed flooding studies for member cities	
	Contact	See general contact information at end of table	
Shoreland			
Shoreland Management Program	Responsibility	<ul style="list-style-type: none"> - Requires members to have a MDNR-approved Shoreland Ordinance - Reviews local water management plans for inclusion of appropriate shoreland management policies. - Provides guidance on restoration of eroded Mississippi Riverbank areas 	
	Contact	See general contact information at end of table	
Navigable Waters			
Monitoring Programs	Responsibility	Partnering with the City of Minneapolis Homeland Security department to monitor the riverway and its infrastructure	
	Contact	See general contact information at end of table	
Groundwater-Drinking Water			
Monitoring Programs	Responsibility	Monitor Mississippi River	Drinking water quality reports available at: https://www.stpaul.gov/departments/saint-paul-

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Lauderdale
			regional-water-services/about-your-water
	Contact	See general contact information at end of table	
Wastewater Treatment			
NPDES Industrial and Municipal Wastewater	Responsibility	Funds programs to separate stormwater from entering sanitary sewer system.	
	Contact	See general contact information at end of table	
Inflow and Infiltration Program	Authority		City Code Title 8 Chapter 2 regulates/prohibits discharges to the sanitary sewer.
	Contact		See general contact information at end of table
	Responsibility	Provide information on potential surface and groundwater interaction hazards	
	Contact	See general contact information at end of table	
Habitat-Ecological Resources			
Other Ecological Inventories	Responsibility	Conduct studies on a local watershed scale that inventory ecological data such as native plants and plant communities, rare plant and animal species, and functional landscapes	
Misc. Habitat/Ecological Studies			Chapter 5 of the City Comprehensive Plan contains information about natural resources.
Hazardous Waste			
Contaminated Sites Database	Responsibility	Gather information and data on contaminated soils and groundwater affecting groundwater and surface water interactions	
	Contact	See general contact information at end of table	
Environmental			

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Lauderdale
Review			
Environmental Review	Authority		Reviews EAW, EIS, and projects for environmental impacts in the City, as needed.
	Contact		See general contact information at end of table.
	Responsibility	Reviews and comments on Major redevelopment EAW/EIS within the Watershed regarding impacts on water quality, rate, and volume	
	Contact	See general contact information at end of table	
General Contact Information			
		Mississippi Watershed Management Organization 2522 Marshall St NE, Minneapolis, MN 55413 Telephone: (612) 465-8780 Web: http://www.mwmo.org/	City of Lauderdale Telephone: (651) 792-7650 Web: http://www.ci.lauderdale.mn.us/

Water Resource-Related Activities of MWMO Member Organizations

Table 4. Water Resource-Related Activities of MWMO Member Organizations: City of Saint Paul

Water Category and Topics	Activity Type	MWMO	City of Saint Paul
Wetlands			
Wetland Conservation Act (WCA)	Authority		- Administers WCA as the LGU - Develops and enforces ordinances - Wetlands addressed by City Code Section 63.600
	Contact		See general contact information at end of table
	Responsibility		Plans to update comprehensive wetland management plan in cooperation with Capitol Region Watershed District (CRWD)
	Contact		City of Saint Paul Water Resources Coordinator (651) 266-9112
Public Waters Work Permit	Authority	Reviews and comments on Public Works applications before DNR (e.g. dam repair permits)	
	Contact	See general contact information at end of table	
Wetland Inventories	Responsibility	Conduct a Wetland Function and Value Assessment within the Watershed,	Plans to update comprehensive wetland management plan in cooperation with Capitol Region Watershed District (CRWD)
Monitoring Programs	Responsibility	Wetland monitoring program Monitor Kasota Ponds wetland complex.	
	Contact	See general contact information at end of table	See general contact information at end of table
Surface Waters			
NPDES Phase I and II Stormwater Permit	Authority	Opportunity to comment on member cities annual reports, generally in April of each year	The City has an NPDES phase 1 permit that requires discharge monitoring and implementation of stormwater management activities in the following areas: Structural controls, Facilities operation and quality control, Removed substances, New development and construction, Roadways, Flood control, Pesticides and fertilizers, Illicit discharges and improper disposal, Construction of storm sewers, public education and participation programs, Pilot program for stormwater management, Stormwater monitoring

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Saint Paul
			program manual, Alternative sources of monitoring data, and coordination with other governmental entities. An annual report is required by June 1 of each year. Permit requires the city to adopt ordinances to address construction site runoff, and post-construction runoff control for projects disturbing more than one acre. City administers ordinances, reviews plans, and issues permits for construction projects. This includes an Erosion Control Permit for all land disturbance activities which are in excess of 10,000 square feet. A stormwater plan is required for all activities disturbing more than one acre. The current permit expired Jan 1, 2004. The permit was last reissued in 2018.
	Contact	See general contact information at end of table	Public Works Department (651) 266-6245
NPDES Construction Permit	Authority		Chapter 52 of the Saint Paul Code of Ordinances requires projects disturbing one acre or more to provide for erosion and sediment control during construction.
	Contact		See general contact information at end of table
NPDES Industrial Stormwater General Permit	Authority		In addition to the NPDES Industrial Stormwater Permits which are issued by the MPCA, the City has requirements related to industrial sites and illicit discharges in city ordinance chapter 51.
	Contact		See general contact information at end of table
Stormwater Treatment Standards	Authority	Sets stormwater quality and quantity (rate and volume) performance standards watershed-wide for areas within its jurisdiction that are at least as stringent as State Stormwater Standards.	The City's water quality performance standards for development and redevelopment projects are defined in Chapter 52 of the Saint Paul Code of Ordinances.
	Contact	See general contact information at end of table	Public Works Department (651) 266-6245
Impaired Waters	Responsibility	The MWMO is not a MS4. However, it may	The City of Saint Paul is responsible for

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Saint Paul
		voluntarily work with the MS4's to plan and implement TMDL's within the watershed.	implementing measures to meet the defined wasteload allocation for their Municipal Separate Storm Sewer System (MS4) for approved TMDLs.
	Contact	See general contact information at end of table	See general contact information at end of table.
Surface Water Management	Authority	<ul style="list-style-type: none"> - Adopts Water Management Plan (WMP) per approval of BWSR. 10-year WMP addresses MWMO standards, goals, strategies, implementation actions to be carried out, and descriptions of program areas. - Requires local governments to adopt their own Water Management Plan consistent with WMO Plan. - Reviews and approves local water management plans. Denial of local water management plan has potential to holdup approval of City comprehensive plan 	<ul style="list-style-type: none"> - Adopts local water management Plan Consistent with MWMO, LMRWMO, CRWD, and RWMWD Water Management Plans. - Current Plan is included in Comprehensive Plan dated June, 2019
	Contacts	See general contact information at end of table	https://www.stpaul.gov/sites/default/files/Media%20Root/Planning%20%26%20Economic%20Development/Saint-Paul-For-All-2040-Comprehensive-Plan-Water-Resources.pdf
Monitoring Programs	Responsibility	Monitoring and Outfall Study. An ongoing program to establish baseline water quantity and quality data that can be used for management of outfalls and receiving waters. Six sites are monitored, five stormwater outfalls discharging to the River, and one site at Loring Pond.	
	Contact	See general contact information at end of table	
Floodplains-Flooding			
Floodplain Programs	Authority		- Administers and enforces MDNR-approved floodplain ordinances including review of development applications to ensure compliance

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Saint Paul
			with ordinance. - Administers NFIP (National Floodplain Insurance Program) at the Local Level - Floodplain ordinance is Part II - Legislative Code/Title IX - City Planning - Chapter 92
	Contact		City of Saint Paul Department of Safety and Inspection
	Responsibility	Requires members to have a MDNR-approved Floodplain Ordinance as part of the review of local water management plans for inclusion of appropriate floodplain policies	- Administers local zoning code pursuant to the FEMA requirements - Evaluates local flooding issues and implements flood risk reduction projects, as needed
	Contact	See general contact information at end of table	City of Saint Paul Water Resources Coordinator (651) 266-9112
Localized Flooding Studies and Mapping	Authority		While Public Works manages "localized flooding" studies and projects, Public Works does not have a role in FEMA floodplain planning, mapping, or administration. The city may maintain local floodplain mapping.
	Contact		City of St. Paul Department of Safety and Inspection
	Responsibility	MWMO leads or participates in watershed flooding studies for member cities	
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Mississippi river gage reading program	
Shoreland			
Shoreland Management Program	Authority		- Develops local implementation plan for within the Mississippi National River Recreation Area/Critical Areas - Administers and enforces local shoreland management standards consistent with MNRRA
	Contact		See general contact information at end of table
	Responsibility	- Requires members to have a MDNR-approved	

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Saint Paul
		Shoreland Ordinance - Reviews local water management plans for inclusion of appropriate shoreland management policies. - Provides guidance on restoration of eroded Mississippi Riverbank areas	
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Monitors Mississippi riverbank erosion	
	Contact	See general contact information at end of table	
Navigable Waters			
Monitoring Programs	Responsibility	Partnering with the City of Minneapolis Homeland Security department to monitor the riverway and its infrastructure	
	Contact	See general contact information at end of table	
Groundwater-Drinking Water			
Water Appropriations	Authority		City code chapter 97 requires well-drillers to obtain a MDH permit.
	Contact		See general contact information at end of table
Groundwater Pollution Standards (Safe Drinking Water Act)	Authority		City water quality performance standards seek to prevent pollution of soil and groundwater.
	Contact		See general contact information at end of table
Source Water Assessment Program	Authority		Implements the local source water protection plan, adopted May 2005
	Contact		See general contact information at end of table
	Responsibility	Share Mississippi River water quality data	
	Contact	See general contact information at end of table	

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Saint Paul
Wellhead Protection Program	Authority		The City of St. Paul obtains drinking water from St. Paul Regional Water Supply and has not prepared a Wellhead Protection Plan Portion of St. Paul within the MWMO is not located within a wellhead protection area
	Contact		See general contact information at end of table
Well Management Program	Authority		City code chapter 97 requires well-drillers to obtain a MDH permit.
	Contact		See general contact information at end of table
Monitoring Programs	Responsibility	Monitor Mississippi River	Drinking water quality reports available at: https://www.stpaul.gov/departments/saint-paul-regional-water-services/about-your-water
	Contact	See general contact information at end of table	
Wastewater Treatment			
NPDES Industrial and Municipal Wastewater	Authority		Likely to trigger building and erosion control permits. Compliance with Floodplain, Shoreland zoning district overlay rules
	Contact		See general contact information at end of table
	Responsibility	Funds programs to separate stormwater from entering sanitary sewer system.	
	Contact	See general contact information at end of table	
Inflow and Infiltration Program	Authority		Saint Paul's objective is to reduce the amount of I/I entering the system to help extend the service life of the system, and to be in compliance with MCES's I/I Surcharge Policy that was adopted in 2006 (as updated).
	Contact		See general contact information at end of table
	Responsibility	Provide information on potential surface and groundwater interaction hazards	

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Saint Paul
	Contact	See general contact information at end of table	
Habitat-Ecological Resources			
Other Ecological Inventories	Responsibility	Conduct studies on a local watershed scale that inventory ecological data such as native plants and plant communities, rare plant and animal species, and functional landscapes	
Misc. Habitat/Ecological Studies			Natural resources information is and programming is available through the City Parks and Recreation department https://www.stpaul.gov/departments/parks-recreation/natural-resources
Hazardous Waste			
Contaminated Sites Database	Responsibility	Gather information and data on contaminated soils and groundwater affecting groundwater and surface water interactions	
	Contact	See general contact information at end of table	
Non-water-based transportation of Hazardous Wastes	Authority		Responds to spills and administers cleanup (Fire Department)
	Contact		See general contact information at end of table
Water-based transportation of Hazardous Waste	Authority		Responds to spills and administers cleanup (Fire Department)
	Contact		See general contact information at end of table
Power Generation			
Hydropower License	Responsibility	Reviews and comments on projects for effect on water quality, flow rate of Mississippi River	

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Saint Paul
	Contact	See general contact information at end of table	
Environmental Review			
Environmental Review	Authority		Reviews EAW, EIS, and projects for environmental impacts in the City, as needed.
	Contact		See general contact information at end of table.
	Responsibility	Reviews and comments on Major redevelopment EAW/EIS within the Watershed regarding impacts on water quality, rate, and volume	
	Contact	See general contact information at end of table	
Mississippi River Corridor Plans			
Mississippi River Corridor Plans	Authority		<ul style="list-style-type: none"> - Collaborate with MDNR to adopt rules to ensure compliance with state statutes establishing the Mississippi River Corridor Critical Area (MRCCA), 2008 M.S.116G.15 - Regulates consistent with critical area requirements as identified in City zoning code (Section 68)
	Contact		See general contact information at end of table
	Responsibility		<ul style="list-style-type: none"> - Develops local implementation plan for within the MNRRA/Critical Areas - As of 2021, the City is in the process of revising the Mississippi River Critical Area plan - Included MRCCA Plan in 2040 Comprehensive Plan: https://www.stpaul.gov/departments/planning-economic-development/planning/2040-comprehensive-plan
	Contact	See general contact information at end of table	See general contact information at end of table
General Contact Information			
		Mississippi Watershed Management Organization	City of Saint Paul

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Saint Paul
		2522 Marshall St NE, Minneapolis, MN 55413 Telephone: (612) 465-8780 Web: http://www.mwmo.org/	Saint Paul City Hall 15 Kellogg Blvd. West Saint Paul, MN 55102 Telephone: (651) 266-8989 Web: http://www.stpaul.gov/

Water Resource-Related Activities of MWMO Member Organizations

Table 5. Water Resource-Related Activities of MWMO Member Organizations: City of Fridley

Water Category and Topics	Activity Type	MWMO	City of Fridley
Wetlands			
Wetland Conservation Act (WCA)	Authority		- Administers WCA for portions of the City in the MWMO as the LGU - Develops and enforces local controls - Wetland ordinance is city code Chapter 205.29 0-4 Wetland District
	Contact		See general contact information at end of table
	Responsibility		May create comprehensive wetland management plan
	Contact		See general contact information at end of table
Public Waters Work Permit	Authority	Reviews and comments on Public Works applications before DNR (e.g. dam repair permits)	The City of Fridley city code chapter 215 requires a city permit for any activity that changes the course, current, or cross section of public waters within the city.
	Contact	See general contact information at end of table	See general contact information at end of table
Wetland Inventories	Responsibility	Conduct a Wetland Function and Value Assessment within the Watershed,	City of Fridley last completed a city-wide wetland inventory in 1993. Data is available from the city.
Monitoring Programs	Responsibility	Wetland monitoring program Monitor Kasota Ponds wetland complex.	
	Contact	See general contact information at end of table	
Surface Waters			
NPDES Phase I and II Stormwater Permit	Authority	Opportunity to comment on member cities annual reports, generally in April of each year	An MS4. Required to adopt a Stormwater Pollution Prevention Program (SWPPP) to reduce the discharge of pollutants to the maximum extent practicable. The SWPPP covers six minimum control measures: 1. Public education and outreach; 2. Public participation/involvement; 3. Illicit discharge detection and elimination; 4. Construction site runoff control;

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Fridley
			5. Post- construction site runoff control; and 6. Pollution prevention/good housekeeping. Permit requires city to adopt ordinances to address Illicit discharge, construction site runoff, and post- construction runoff control. Administers ordinances, reviews plans and issues permits for compliance with MS4 permit (SWPPP). This includes a SWPPP for land disturbing activities greater than one acre. Building and land use-zoning permits are not approved without an approved SWPPP.
	Contact	See general contact information at end of table	Public Works 763-572-3566
NPDES Construction Permit	Authority		City ordinance 208 generally requires a city permit for all land disturbing activity with the exception of disturbances of less than 5,000 square feet.
	Contact		See general contact information at end of table
NPDES Industrial Stormwater General Permit	Authority		City erosion and stormwater ordinances may apply, depending on size of disturbance
	Contact		See general contact information at end of table
Stormwater Treatment Standards	Authority	Sets stormwater quality and quantity (rate and volume) performance standards watershed-wide for areas within its jurisdiction that are at least as stringent as State Stormwater Standards.	The City's water quality performance standards for development and redevelopment projects are defined in Chapter 208 of the Fridley Code of Ordinances.
	Contact	See general contact information at end of table	Community Development Planning and Zoning 763-572-3592
Impaired Waters	Responsibility	The MWMO is not a MS4. However, it may voluntarily work with the MS4's to plan and implement TMDL's within the watershed.	The City of Fridley is responsible for implementing measures to meet the defined wasteload allocation for their Municipal Separate Storm Sewer System (MS4) for approved TMDLs.
	Contact	See general contact information at end of table	See general contact information at end of table.

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Fridley
Surface Water Management	Authority	<ul style="list-style-type: none"> - Adopts Water Management Plan (WMP) per approval of BWSR. 10-year WMP addresses MWMO standards, goals, strategies, implementation actions to be carried out, and descriptions of program areas. - Requires local governments to adopt their own Water Management Plan consistent with WMO Plan. - Reviews and approves local water management plans. Denial of local water management plan has potential to holdup approval of City comprehensive plan 	<ul style="list-style-type: none"> - Adopts local water management Plan Consistent with CCWD, RCWD and MWMO Water Management Plan - Current Plan included in Comprehensive Plan adopted June 2019 - Local Surface Water Management Plan https://fridleymn.gov/DocumentCenter/View/5733/Attachment-A-Fridley-Local-Water-Plan-final_appendices
	Contacts	See general contact information at end of table	See general contact information at end of table.
Monitoring Programs	Responsibility	Monitoring and Outfall Study. An ongoing program to establish baseline water quantity and quality data that can be used for management of outfalls and receiving waters. Six sites are monitored, five stormwater outfalls discharging to the River, and one site at Loring Pond.	
	Contact	See general contact information at end of table	
Floodplains-Flooding			
Floodplain Programs	Authority		<ul style="list-style-type: none"> - Administers and enforces MDNR-approved floodplain ordinances including review of development applications to ensure compliance with ordinance; - Administers NFIP (National Floodplain Insurance Program). - Floodplain ordinance is city code Section 205.27 0-1 Floodplain Management Overlay District
	Contact		See general contact information at end of table
	Responsibility	Requires members to have a MDNR-approved Floodplain Ordinance as part of the review of	

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Fridley
		local water management plans for inclusion of appropriate floodplain policies	
	Contact	See general contact information at end of table	
Localized Flooding Studies and Mapping	Authority		While Public Works manages "localized flooding" studies and projects, Public Works does not have a role in FEMA floodplain planning, mapping, or administration. The city may maintain local floodplain mapping.
	Contact		See general contact information at end of table
	Responsibility	MWMO leads or participates in watershed flooding studies for member cities	
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Mississippi river gage reading program	
Shoreland			
Shoreland Management Program	Authority		The City of Fridley has a Shoreland Overlay District in their zoning code (Chapter 205.32 O-7)
	Contact		See general contact information at end of table
	Responsibility	<ul style="list-style-type: none"> - Requires members to have a MDNR-approved Shoreland Ordinance - Reviews local water management plans for inclusion of appropriate shoreland management policies. - Provides guidance on restoration of eroded Mississippi Riverbank areas 	
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Monitors Mississippi riverbank erosion	
	Contact	See general contact information at end of table	
Navigable Waters			
Monitoring	Responsibility	Partnering with the City of Minneapolis Homeland	

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Fridley
Programs		Security department to monitor the riverway and its infrastructure	
	Contact	See general contact information at end of table	
Groundwater-Drinking Water			
Source Water Assessment Program	Responsibility	Share Mississippi River water quality data	
	Contact	See general contact information at end of table	
Wellhead Protection Program	Authority		Wellhead Protection Plan http://www.ci.fridley.mn.us/newsite/images/article-files/fridley_wellhead_protection_plan_final_phase2_rev081223.pdf
	Contact		See general contact information at end of table
Monitoring Programs	Responsibility	Monitor Mississippi River	Drinking water quality reports available at: https://www.ci.fridley.mn.us/620/Water-Quality-Reports
	Contact	See general contact information at end of table	
Wastewater Treatment			
NPDES Industrial and Municipal Wastewater	Responsibility	Funds programs to separate stormwater from entering sanitary sewer system.	
	Contact	See general contact information at end of table	
Inflow and Infiltration Program	Authority		City Code Section 402 regulates/prohibits discharge to the sanitary sewer.
	Contact		See general contact information at end of table
	Responsibility	Provide information on potential surface and groundwater interaction hazards	The City of Fridley estimated I/I from monitoring data from 1999-2006.
	Contact	See general contact information at end of table	See general contact information at end of table

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Fridley
Habitat-Ecological Resources			
Other Ecological Inventories	Responsibility	Conduct studies on a local watershed scale that inventory ecological data such as native plants and plant communities, rare plant and animal species, and functional landscapes	
Misc. Habitat/Ecological Studies			Section 1.4 of the Fridley 2040 Comprehensive Plan contains information about natural resources. https://www.ci.fridley.mn.us/DocumentCenter/View/5290/2040-Comp-Plan---Full
Hazardous Waste			
Contaminated Sites Database	Responsibility	Gather information and data on contaminated soils and groundwater affecting groundwater and surface water interactions	
	Contact	See general contact information at end of table	
Power Generation			
Hydropower License	Responsibility	Reviews and comments on projects for effect on water quality, flow rate of Mississippi River	
	Contact	See general contact information at end of table	
Environmental Review			
Environmental Review	Authority		Reviews EAW, EIS, and projects for environmental impacts in the City, as needed.
	Contact		See general contact information at end of table.
	Responsibility	Reviews and comments on Major redevelopment EAW/EIS within the Watershed regarding impacts on water quality, rate, and volume	
	Contact	See general contact information at end of table	
Mississippi River Corridor Plans			

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Fridley
Mississippi River Corridor Plans	Authority		<ul style="list-style-type: none"> - Collaborate with MDNR to adopt rules to ensure compliance with state statutes establishing the Mississippi River Corridor Critical Area (MRCCA), 2008 M.S.116G.15 - City maintains a Critical Area District via City Code Section 205-28: https://www.ci.fridley.mn.us/DocumentCenter/View/476/Ch-20528-O-2-Critical-Area
	Contact		See general contact information at end of table
	Responsibility		<ul style="list-style-type: none"> - City has developed a Critical Area Plan - Chapter 9 of the Local Surface Water Management Plan is titled Critical Area Plan - MNRAA. http://www.ci.fridley.mn.us/newsite/images/articles/files/commdev/compplan/compplan2030jul09/Chapter_9_Critical_Area_Plan.pdf
	Contact	See general contact information at end of table	See general contact information at end of table
General Contact Information			
		Mississippi Watershed Management Organization 2522 Marshall St NE, Minneapolis, MN 55413 Telephone: (612) 465-8780 Web: http://www.mwmo.org/	City of Fridley 6431 University Ave N.E. Fridley, MN 55432 (763) 571-3450 info@fridleymn.gov Web: www.ci.fridley.mn.us

Water Resource-Related Activities of MWMO Member Organizations

Table 6. Water Resource-Related Activities of MWMO Member Organizations: City of Columbia Heights

Water Category and Topics	Activity Type	MWMO	City of Columbia Heights
Wetlands			
Wetland Conservation Act (WCA)	Authority		Administers WCA for portions of the City in the MWMO as the LGU
	Contact		See general contact information at end of table
	Responsibility		May create comprehensive wetland management plan
	Contact		See general contact information at end of table
Public Waters Work Permit	Authority	Reviews and comments on Public Works applications before DNR (e.g. dam repair permits)	City of Columbia Heights controls access to Sullivan Lake via ownership of the land adjacent to the lake.
	Contact	See general contact information at end of table	
Wetland Inventories	Responsibility	Conduct a Wetland Function and Value Assessment within the Watershed	City of Columbia Heights completed a city-wide wetland inventory which is included in the City's 2000 Surface Water Management Plan
Monitoring Programs	Responsibility	Wetland monitoring program Monitor Kasota Ponds wetland complex.	
	Contact	See general contact information at end of table	
Surface Waters			

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Columbia Heights
NPDES Phase I and II Stormwater Permit	Authority	Opportunity to comment on member cities annual reports, generally in April of each year	An MS4. Required to adopt a Stormwater Pollution Prevention Program (SWPPP) to reduce the discharge of pollutants to the maximum extent practicable. The SWPPP covers six minimum control measures: <ol style="list-style-type: none"> 1. Public education and outreach; 2. Public participation/involvement; 3. Illicit discharge detection and elimination; 4. Construction site runoff control; 5. Post-construction site runoff control; and 6. Pollution prevention/good housekeeping. Permit requires city to adopt ordinances to address Illicit discharge, construction site runoff, and post- construction runoff control. Administers ordinances, reviews plans and issues permits for compliance with MS4 permit (SWPPP). This includes a SWPPP for land disturbing activities greater than one acre. Building and land use-zoning permits are not approved without an approved SWPPP.
	Contact	See general contact information at end of table	Kevin Hansen Public Works Director 763-706-3700
NPDES Construction Permit	Authority		City code chapter 9.106Q requires a city permit for land disturbing activity of over 5,000 square feet, 500 cubic yards of undeveloped land, 50 cubic yards of developed land, or within 1,000 feet of a waterway (with some exceptions).
	Contact		See general contact information at end of table
NPDES Industrial Stormwater General Permit	Authority		City erosion and stormwater ordinances may apply, depending on size of disturbance
	Contact		See general contact information at end of table

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Columbia Heights
Stormwater Treatment Standards	Authority	Sets stormwater quality and quantity (rate and volume) performance standards watershed-wide for areas within its jurisdiction that are at least as stringent as State Stormwater Standards.	City has adopted Stormwater Management Design Standards (2018) that include water quality performance standards. The Design Standards are included as Appendix C of the City's 2018 Surface Water Management Plan.
	Contact	See general contact information at end of table	See general contact information at end of table
Impaired Waters	Responsibility	The MWMO is not a MS4. However, it may voluntarily work with the MS4's to plan and implement TMDL's within the watershed.	The City of Columbia Heights is responsible for implementing measures to meet the defined wasteload allocation for their Municipal Separate Storm Sewer System (MS4) for approved TMDLs.
	Contact	See general contact information at end of table	See general contact information at end of table.
Surface Water Management	Authority	<ul style="list-style-type: none"> - Adopts Water Management Plan (WMP) per approval of BWSR. 10-year WMP addresses MWMO standards, goals, strategies, implementation actions to be carried out, and descriptions of program areas. - Requires local governments to adopt their own Water Management Plan consistent with WMO Plan. - Reviews and approves local water management plans. Denial of local water management plan has potential to holdup approval of City comprehensive plan 	<ul style="list-style-type: none"> - Adopts local water management Plan Consistent with RCWD and MWMO Water Management Plan - Current Plan was adopted December 2018 - Local Surface Water Management Plan: https://cms5.revize.com/revize/columbiaheights/Public%20Works/Stormwater/SWMP_Final%20051418_approved.pdf
	Contacts	See general contact information at end of table	See general contact information at end of table.
Monitoring Programs	Responsibility	Monitoring and Outfall Study. An ongoing program to establish baseline water quantity and quality data that can be used for management of outfalls and receiving waters. Six sites are monitored, five stormwater outfalls discharging to the River, and one site at Loring Pond.	
	Contact	See general contact information at end of table	
Floodplains-Flooding			

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Columbia Heights
Floodplain Programs	Authority		<ul style="list-style-type: none"> - Administers and enforces MDNR-approved floodplain ordinances including review of development applications to ensure compliance with ordinance; - Administers NFIP (National Floodplain Insurance Program). - Floodplain ordinance is Chapter 9 - Article 1 - 9.114 Overlay Districts - Section B
	Contact		See general contact information at end of table
	Responsibility	Requires members to have a MDNR-approved Floodplain Ordinance as part of the review of local water management plans for inclusion of appropriate floodplain policies	
	Contact	See general contact information at end of table	
Localized Flooding Studies and Mapping	Authority		"While Public Works manages "localized flooding" studies and projects, Public Works does not have a role in FEMA floodplain planning, mapping, or administration. The city may maintain local floodplain mapping.
	Contact		See general contact information at end of table
	Responsibility	MWMO leads or participates in watershed flooding studies for member cities	
	Contact	See general contact information at end of table	
Shoreland			
Shoreland Management Program	Authority		The City of Columbia Heights has a Shoreland Overlay District. (Ordinance No. 1550 - 9.113C) https://codelibrary.amlegal.com/codes/columbiaheights/latest/columbiaheights_mn/0-0-0-15395
	Contact		See general contact information at end of table
	Responsibility	<ul style="list-style-type: none"> - Requires members to have a MDNR-approved Shoreland Ordinance - Reviews local water management plans for inclusion of appropriate shoreland management 	

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Columbia Heights
		policies. - Provides guidance on restoration of eroded Mississippi Riverbank areas	
	Contact	See general contact information at end of table	
Navigable Waters			
Monitoring Programs	Responsibility	Partnering with the City of Minneapolis Homeland Security department to monitor the riverway and its infrastructure	
	Contact	See general contact information at end of table	
Groundwater-Drinking Water			
Source Water Assessment Program	Responsibility	Share Mississippi River water quality data	
	Contact	See general contact information at end of table	
Wellhead Protection Program	Authority		The city does not have a Wellhead Protection Plan as there are no municipal or non-municipal wells within Columbia Heights. The City will follow guidelines and requirements as set forth in the City of Minneapolis "Source Water Protection Plan" (September 2008). Portions of the city lie within the Drinking Water Supply Management Area (DWSMA) of New Brighton.
	Contact		See general contact information at end of table
Monitoring Programs	Responsibility	Monitor Mississippi River	Drinking water quality reports available at: https://www.columbiaheightsmn.gov/departments/public_works/about_our_water.php
	Contact	See general contact information at end of table	
Wastewater Treatment			
NPDES Industrial and	Responsibility	Funds programs to separate stormwater from entering sanitary sewer system.	

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Columbia Heights
Municipal Wastewater			
	Contact	See general contact information at end of table	
Inflow and Infiltration Program	Authority		The City regulates inflow and infiltration to the sanitary sewer system via City code Chapter 8, Article VII
	Contact		See general contact information at end of table
	Responsibility	Provide information on potential surface and groundwater interaction hazards	The City of Columbia Heights estimated I/I from monitoring data from 2012-2016.
	Contact	See general contact information at end of table	See general contact information at end of table
Habitat-Ecological Resources			
Other Ecological Inventories	Responsibility	Conduct studies on a local watershed scale that inventory ecological data such as native plants and plant communities, rare plant and animal species, and functional landscapes	
Misc. Habitat/Ecological Studies			Chapter 7 of the City Comprehensive Plan contains information about natural resources. https://www.columbiaheightsmn.gov/departments/community_development/comprehensive_plan.php
Hazardous Waste			
Contaminated Sites Database	Responsibility	Gather information and data on contaminated soils and groundwater affecting groundwater and surface water interactions	
	Contact	See general contact information at end of table	
Environmental Review			
Environmental Review	Authority		Reviews EAW, EIS, and projects for environmental impacts in the City, as needed.
	Contact		See general contact information at end of table.

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Columbia Heights
	Responsibility	Reviews and comments on Major redevelopment EAW/EIS within the Watershed regarding impacts on water quality, rate, and volume	
	Contact	See general contact information at end of table	
General Contact Information			
		Mississippi Watershed Management Organization 2522 Marshall St NE, Minneapolis, MN 55413 Telephone: (612) 465-8780 Web: http://www.mwmo.org/	City of Columbia Heights 590 40th Ave N.E. Columbia Heights, MN 55421 Telephone: (763) 706-3600 info@ci.columbia-heights.mn.us Web: www.ci.columbia-heights.mn.us

Water Resource-Related Activities of MWMO Member Organizations

Table 7. Water Resource-Related Activities of MWMO Member Organizations: City of Hilltop

Water Category and Topics	Activity Type	MWMO	City of Hilltop
Wetlands			
Wetland Conservation Act (WCA)	Authority		- Administers WCA for portions of the City in the MWMO as the LGU
	Contact		See general contact information at end of table
	Responsibility		May create comprehensive wetland management plan
	Contact		See general contact information at end of table
Public Waters Work Permit	Authority	Reviews and comments on Public Works applications before DNR (e.g. dam repair permits)	
	Contact	See general contact information at end of table	
Wetland Inventories	Responsibility	Conduct a Wetland Function and Value Assessment within the Watershed	
Monitoring Programs	Responsibility	Wetland monitoring program Monitor Kasota Ponds wetland complex.	
	Contact	See general contact information at end of table	
Surface Waters			
NPDES Phase I and II Stormwater Permit	Authority	Opportunity to comment on member cities annual reports, generally in April of each year	An MS4. Required to adopt a Stormwater Pollution Prevention Program (SWPPP) to reduce the discharge of pollutants to the maximum extent practicable. The SWPPP covers six minimum control measures: 1. Public education and outreach; 2. Public participation/involvement; 3. Illicit discharge detection and elimination; 4. Construction site runoff control; 5. Post- construction site runoff control; and 6. Pollution prevention/good housekeeping. Permit requires city to adopt ordinances to address Illicit discharge, construction site runoff,

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Hilltop
			and post- construction runoff control. Administers ordinances, reviews plans and issues permits for compliance with MS4 permit (SWPPP). This includes a SWPPP for land disturbing activities greater than one acre. Building and land use-zoning permits are not approved without an approved SWPPP.
	Contact	See general contact information at end of table	Matt Johnson Public Works Director 763-571-2023
NPDES Construction Permit	Authority		City ordinance Chapter 14 generally requires a city permit for all land disturbing activity, which may trigger NPDES permit based on size
	Contact		See general contact information at end of table.
NPDES Industrial Stormwater General Permit	Authority		City erosion and stormwater ordinances may apply, depending on size of disturbance
	Contact		See general contact information at end of table
Stormwater Treatment Standards	Authority	Sets stormwater quality and quantity (rate and volume) performance standards watershed-wide for areas within its jurisdiction that are at least as stringent as State Stormwater Standards.	The City's stormwater performance standards for development and redevelopment projects are defined in Chapter 14 of the Hilltop Code of Ordinances.
	Contact	See general contact information at end of table	See general contact information at end of table
Impaired Waters	Responsibility	The MWMO is not a MS4. However, it may voluntarily work with the MS4's to plan and implement TMDL's within the watershed.	The City of Hilltop is responsible for implementing measures to meet the defined wasteload allocation for their Municipal Separate Storm Sewer System (MS4) for approved TMDLs.
	Contact	See general contact information at end of table	See general contact information at end of table.
Surface Water Management	Authority	- Adopts Water Management Plan (WMP) per approval of BWSR. 10-year WMP addresses MWMO standards, goals, strategies, implementation actions to be carried out, and	Adopts local water management Plan Consistent with MWMO Water Management Plan

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Hilltop
		<p>descriptions of program areas.</p> <ul style="list-style-type: none"> - Requires local governments to adopt their own Water Management Plan consistent with WMO Plan. - Reviews and approves local water management plans. Denial of local water management plan has potential to holdup approval of City comprehensive plan 	
	Contacts	See general contact information at end of table	See general contact information at end of table.
Monitoring Programs	Responsibility	Monitoring and Outfall Study. An ongoing program to establish baseline water quantity and quality data that can be used for management of outfalls and receiving waters. Six sites are monitored, five stormwater outfalls discharging to the River, and one site at Loring Pond.	
	Contact	See general contact information at end of table	
Floodplains-Flooding			
Floodplain Programs	Authority		As of 2021, Hilltop has not established a floodplain ordinance or zoning overlay
	Contact		See general contact information at end of table
	Responsibility	Requires members to have a MDNR-approved Floodplain Ordinance as part of the review of local water management plans for inclusion of appropriate floodplain policies	
	Contact	See general contact information at end of table	
Localized Flooding Studies and Mapping	Authority		While Public Works manages "localized flooding" studies and projects, Public Works does not have a role in FEMA floodplain planning, mapping, or administration. The city may maintain local floodplain mapping.
	Contact		See general contact information at end of table
	Responsibility	MWMO leads or participates in watershed	

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Hilltop
		flooding studies for member cities	
	Contact	See general contact information at end of table	
Shoreland			
Shoreland Management Program	Authority		As of 2021, Hilltop has not established a shoreland ordinance or zoning overlay
	Contact		See general contact information at end of table
	Responsibility	<ul style="list-style-type: none"> - Requires members to have a MDNR-approved Shoreland Ordinance - Reviews local water management plans for inclusion of appropriate shoreland management policies. - Provides guidance on restoration of eroded Mississippi Riverbank areas 	
	Contact	See general contact information at end of table	
Navigable Waters			
Monitoring Programs	Responsibility	Partnering with the City of Minneapolis Homeland Security department to monitor the riverway and its infrastructure	
	Contact	See general contact information at end of table	
Groundwater-Drinking Water			
Source Water Assessment Program	Responsibility	Share Mississippi River water quality data	
	Contact	See general contact information at end of table	
Wastewater Treatment			
NPDES Industrial and Municipal Wastewater	Responsibility	Funds programs to separate stormwater from entering sanitary sewer system.	

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Hilltop
	Contact	See general contact information at end of table	
Inflow and Infiltration Program	Authority		City Code Chapter 38 regulates/prohibits discharges to the sanitary sewer.
	Contact		See general contact information at end of table
	Responsibility	Provide information on potential surface and groundwater interaction hazards	
	Contact	See general contact information at end of table	
Habitat-Ecological Resources			
Other Ecological Inventories	Responsibility	Conduct studies on a local watershed scale that inventory ecological data such as native plants and plant communities, rare plant and animal species, and functional landscapes	
Hazardous Waste			
Contaminated Sites Database	Responsibility	Gather information and data on contaminated soils and groundwater affecting groundwater and surface water interactions	
	Contact	See general contact information at end of table	
Environmental Review			
Environmental Review	Authority		Reviews EAW, EIS, and projects for environmental impacts in the City, as needed.
	Contact		See general contact information at end of table.
	Responsibility	Reviews and comments on Major redevelopment EAW/EIS within the Watershed regarding impacts on water quality, rate, and volume	
	Contact	See general contact information at end of table	
General Contact Information			
		Mississippi Watershed Management Organization	City of Hilltop

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	City of Hilltop
		2522 Marshall St NE, Minneapolis, MN 55413 Telephone: (612) 465-8780 Web: http://www.mwmo.org/	4555 Jackson St. N.E. Minneapolis, MN 55421 Telephone: (763) 571-2023 Web: www.hilltop.govoffice.com

Water Resource-Related Activities of MWMO Member Organizations

Table 8. Water Resource-Related Activities of MWMO Member Organizations: Minneapolis Parks and Recreation Board

Water Category and Topics	Activity Type	MWMO	Minneapolis Parks and Recreation Board
Wetlands			
Public Waters Work Permit	Authority	Reviews and comments on Public Works applications before DNR (e.g. dam repair permits)	MPRB controls access to Loring Pond Lakes via ownership of the land adjacent to the lake.
	Contact	See general contact information at end of table	Environmental Operations Manager (612) 313-7782
Wetland Inventories	Responsibility	Conduct a Wetland Function and Value Assessment within the Watershed	
Monitoring Programs	Responsibility	Wetland monitoring program Monitor Kasota Ponds wetland complex.	<ul style="list-style-type: none"> - Performs extensive lake monitoring program including summer bacteria tests at beaches. - Performs stormwater monitoring for the City of Minneapolis and in accordance with the MPLS NPDES Permit. - Operates WOMP stations on Minnehaha Creek and Bassett Creek (outside MWMO)
	Contact	See general contact information at end of table	Environmental Operations Manager (612) 313-7782
Surface Waters			
NPDES Phase I and II Stormwater Permit	Authority	Opportunity to comment on member cities annual reports, generally in April of each year	An MS4. Park Board is co-permittee with the City of Minneapolis. The MPRB performs the public education and monitoring components of the NPDES implementation requirements
	Contact	See general contact information at end of table	Environmental Operations Manager (612) 313-7782
Stormwater Treatment	Authority	Sets stormwater quality and quantity (rate and volume) performance standards watershed-wide	The MPRB is the primary steward of Minneapolis Lakes and also co-permittee with the City of

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Minneapolis Parks and Recreation Board
Standards		for areas within its jurisdiction that are at least as stringent as State Stormwater Standards.	Minneapolis on the NPDES Permit.
	Contact	See general contact information at end of table	Environmental Operations Manager (612) 313-7782
Impaired Waters	Responsibility	The MWMO is not a MS4. However, it may voluntarily work with the MS4's to plan and implement TMDL's within the watershed.	The MPRB is the primary steward of Minneapolis Lakes and also co-permittee with the City of Minneapolis on the NPDES Permit.
	Contact	See general contact information at end of table	Environmental Operations Manager (612) 313-7782
Surface Water Management	Authority	<ul style="list-style-type: none"> - Adopts Water Management Plan (WMP) per approval of BWSR. 10-year WMP addresses MWMO standards, goals, strategies, implementation actions to be carried out, and descriptions of program areas. - Requires local governments to adopt their own Water Management Plan consistent with WMO Plan. - Reviews and approves local water management plans. Denial of local water management plan has potential to holdup approval of City comprehensive plan 	The MPRB is the primary steward of Minneapolis Lakes and also co-permittee with the City of Minneapolis on the NPDES Permit. The MPRB performs various surface water and stormwater management roles, but is not required to maintain a local water management plan MPRB activities are summarized at: https://www.minneapolisparcs.org/park_care_improvements/water_resources/
	Contacts	See general contact information at end of table	Environmental Operations Manager (612) 313-7782
Public Water Access	Authority		Maintains public water access in City of Minneapolis
	Contact		Environmental Operations Manager (612) 313-7782
Monitoring Programs	Responsibility	Monitoring and Outfall Study. An ongoing program to establish baseline water quantity and quality data that can be used for management of outfalls and receiving waters. Six sites are monitored, five stormwater outfalls discharging to the River, and one site at Loring Pond.	<ul style="list-style-type: none"> - Performs extensive lake monitoring program including summer bacteria tests at beaches. - Performs stormwater monitoring for the City of Minneapolis and in accordance with the MPLS NPDES Permit. - Operates WOMP stations on Minnehaha Creek

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Minneapolis Parks and Recreation Board
			and Bassett Creek (outside MWMO)
	Contact	See general contact information at end of table	Environmental Operations Manager (612) 313-7782
Floodplains-Flooding			
Floodplain Programs	Responsibility	Requires members to have a MDNR-approved Floodplain Ordinance as part of the review of local water management plans for inclusion of appropriate floodplain policies	
	Contact	See general contact information at end of table	
Floodplain Studies and Mapping	Responsibility	MWMO leads or participates in watershed flooding studies for member cities	
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Mississippi river gage reading program	
Shoreland			
Shoreland Management Program	Authority		Administers and enforces local shoreland management standard through ordinances for activities within the shoreland area (defined in the MPRB Ordinances as included in the City of Minneapolis Ordinances)
	Contact		See general contact information at end of table
	Responsibility	<ul style="list-style-type: none"> - Requires members to have a MDNR-approved Shoreland Ordinance - Reviews local water management plans for inclusion of appropriate shoreland management policies. - Provides guidance on restoration of eroded Mississippi Riverbank areas 	
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Monitors Mississippi riverbank erosion	

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Minneapolis Parks and Recreation Board
	Contact	See general contact information at end of table	
Navigable Waters			
Monitoring Programs	Responsibility	Partnering with City of Minneapolis Departments to monitor the riverway and its infrastructure	
	Contact	See general contact information at end of table	
Groundwater-Drinking Water			
Source Water Assessment Program	Responsibility	Share Mississippi River water quality data	
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Monitor Mississippi River	
	Contact	See general contact information at end of table	
Wastewater Treatment			
NPDES Industrial and Municipal Wastewater	Responsibility	Funds programs to separate stormwater from entering sanitary sewer system.	
	Contact	See general contact information at end of table	
Inflow and Infiltration Program	Responsibility	Provide information on potential surface and groundwater interaction hazards	
	Contact	See general contact information at end of table	
Habitat-Ecological Resources			
Aquatic Plant Management and Nuisance	Authority		MPRB manages aquatic plant control in the City of Minneapolis in areas identified by MDNR Permit: https://www.minneapolisparcs.org/park_care_im

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Minneapolis Parks and Recreation Board
Control Permits			provements/water_resources/aquatic-plant-management/
	Contact		Environmental Operations Manager (612) 313-7782
Aeration System Operating Permit	Authority		MPRB manages aeration in several lakes in Minneapolis in compliance with MDNR Permit
	Contact		Environmental Operations Manager (612) 313-7782
Other Ecological Inventories	Responsibility	Conduct studies on a local watershed scale that inventory ecological data such as native plants and plant communities, rare plant and animal species, and functional landscapes	
Misc. Habitat/Ecological Studies			MPRB completed a natural resource assessment and ecological master plan. More information is available at: https://www.minneapolisparcs.org/park_care_improvements/natural_areas/
Hazardous Waste			
Contaminated Sites Database	Responsibility	Gather information and data on contaminated soils and groundwater affecting groundwater and surface water interactions	
	Contact	See general contact information at end of table	
Power Generation			
Hydropower License	Responsibility	Reviews and comments on projects for effect on water quality, flow rate of Mississippi River	
	Contact	See general contact information at end of table	
Environmental Review			
Environmental Review	Responsibility	Reviews and comments on Major redevelopment EAW/EIS within the Watershed regarding impacts	

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Minneapolis Parks and Recreation Board
		on water quality, rate, and volume	
	Contact	See general contact information at end of table	
Mississippi River Corridor Plans			
Mississippi River Corridor Plans	Authority		As landowner within MRCCA, MPRB collaborates with City of Minneapolis and MDNR to established local controls within the MRCCA
	Contact		See general contact information at end of table
	Responsibility	Big River Study (draft) identifying planning segments along the Mississippi River; Mississippi Riverbank Restoration Guidelines; Mississippi Riverbank Restoration Hydraulic Study; Identify resource improvement corridors along and leading to the Mississippi River	Developed and implements plans applicable to MRCCA including: - Above The Falls Regional Park Master Plan - Mississippi Gorge Regional Park Master Plan - Central Mississippi Riverfront Regional Park Master Plan
	Contact	See general contact information at end of table	See general contact information at end of table
General Contact Information			
		Mississippi Watershed Management Organization 2522 Marshall St NE, Minneapolis, MN 55413 Telephone: (612) 465-8780 Web: http://www.mwmo.org/	Minneapolis Park and Recreation Board Web: http://www.minneapolisparcs.org/home.asp

Water Resource-Related Activities of MWMO Member Organizations

Table 9. Water Resource-Related Activities of MWMO Member Organizations: Hennepin County

Water Category and Topics	Activity Type	MWMO	Hennepin County
Wetlands			
Wetland Conservation Act (WCA)	Responsibility		Hennepin Conservation District staff participate in WCA Technical Evaluation Panel (TEP)
	Contact		Hennepin County Environmental Services
Public Waters Work Permit	Authority	Reviews and comments on Public Works applications before DNR (e.g. dam repair permits)	
	Contact	See general contact information at end of table	
Wetland Inventories	Responsibility	Conduct a Wetland Function and Value Assessment within the Watershed	
Monitoring Programs	Responsibility	Wetland monitoring program Monitor Kasota Ponds wetland complex.	Administers the Wetland Health Evaluation Program (WHEP). WHEP volunteers collect and analyze data to characterize wetland health. Hennepin County Environmental Services staff then cross-check, synthesize, and report the collected data back to the partner organizations.
	Contact	See general contact information at end of table	Hennepin County Environmental Services
Surface Waters			
NPDES Phase I and II Stormwater Permit	Authority	Opportunity to comment on member cities annual reports, generally in April of each year	An MS4. Required to adopt a Stormwater Pollution Prevention Program (SWPPP) to reduce the discharge of pollutants to the maximum extent practicable. The SWPPP covers six minimum control measures: 1. Public education and outreach; 2. Public participation/involvement; 3. Illicit discharge detection and elimination; 4. Construction site runoff control; 5. Post-construction site runoff control; and 6. Pollution prevention/good housekeeping.
	Contact	See general contact information at end of table	James Grube 612-596-0300

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Hennepin County
			James.Grube@co.hennepin.mn.us
Stormwater Treatment Standards	Authority	Sets stormwater quality and quantity (rate and volume) performance standards watershed-wide for areas within its jurisdiction that are at least as stringent as State Stormwater Standards.	
	Contact	See general contact information at end of table	
Impaired Waters	Responsibility	The MWMO is not a MS4. However, it may voluntarily work with the MS4's to plan and implement TMDL's within the watershed.	Hennepin County is responsible for implementing measures to meet the defined wasteload allocation for their Municipal Separate Storm Sewer System (MS4) for approved TMDLs.
	Contact	See general contact information at end of table	See general contact information at end of table
Surface Water Management	Authority	<ul style="list-style-type: none"> - Adopts Water Management Plan (WMP) per approval of BWSR. 10-year WMP addresses MWMO standards, goals, strategies, implementation actions to be carried out, and descriptions of program areas. - Requires local governments to adopt their own Water Management Plan consistent with WMO Plan. - Reviews and approves local water management plans. Denial of local water management plan has potential to holdup approval of City comprehensive plan 	- Hennepin County is a Plan review authority that review and comment on the 60-day draft of the MWMO Plan
	Contacts	See general contact information at end of table	
Monitoring Programs	Responsibility	Monitoring and Outfall Study. An ongoing program to establish baseline water quantity and quality data that can be used for management of outfalls and receiving waters. Six sites are monitored, five stormwater outfalls discharging to the River, and one site at Loring Pond.	
	Contact	See general contact information at end of table	
Floodplains-			

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Hennepin County
Flooding			
Floodplain Programs	Responsibility	Requires members to have a MDNR-approved Floodplain Ordinance as part of the review of local water management plans for inclusion of appropriate floodplain policies	- Mapping studies are performed at county level - Most recent Hennepin County Flood Insurance Rate Map (FIRM) effective 11/4/2016
	Contact	See general contact information at end of table	
Localized Flooding Studies and Mapping	Responsibility	MWMO leads or participates in watershed flooding studies for member cities	
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Mississippi river gage reading program	
Shoreland			
Shoreland Management Program	Responsibility	- Requires members to have a MDNR-approved Shoreland Ordinance - Reviews local water management plans for inclusion of appropriate shoreland management policies. - Provides guidance on restoration of eroded Mississippi Riverbank areas	
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Monitors Mississippi riverbank erosion	
	Contact	See general contact information at end of table	
Navigable Waters			
Monitoring Programs	Responsibility	Partnering with City of Minneapolis Departments to monitor the riverway and its infrastructure	
	Contact	See general contact information at end of table	
Groundwater-Drinking Water			

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Hennepin County
Source Water Assessment Program	Responsibility	Share Mississippi River water quality data	
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Monitor Mississippi River	
	Contact	See general contact information at end of table	
Wastewater Treatment			
NPDES Industrial and Municipal Wastewater	Responsibility	Funds programs to separate stormwater from entering sanitary sewer system.	
	Contact	See general contact information at end of table	
Inflow and Infiltration Program	Responsibility	Provide information on potential surface and groundwater interaction hazards	
	Contact	See general contact information at end of table	
Habitat-Ecological Resources			
Other Ecological Inventories	Responsibility	Conduct studies on a local watershed scale that inventory ecological data such as native plants and plant communities, rare plant and animal species, and functional landscapes	
Misc. Habitat/Ecological Studies			Hennepin County has adopted a natural resources strategic plan. https://www.hennepin.us/-/media/hennepinus/residents/environment/natural-resource-management/natural-resources-strategic-plan.pdf?la=en
Hazardous Waste			

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Hennepin County
Hazardous Waste	Responsibility		Administer Hazardous Waste regulations and programs in county. Issues licenses to businesses that generate hazardous wastes. Also conducts inspections, collects reports and enforcement. Offers programs for waste reduction and operates disposal sites.
	Contact		612-348-3777 environment@co.hennepin.mn.us
Contaminated Sites Database	Responsibility	Gather information and data on contaminated soils and groundwater affecting groundwater and surface water interactions	
	Contact	See general contact information at end of table	
Above- and below-ground storage tanks	Authority		Through a joint powers agreement, Hennepin County inspects above ground and underground storage tanks.
	Contact		612-348-3777 environment@co.hennepin.mn.us
Power Generation			
Hydropower License	Responsibility	Reviews and comments on projects for effect on water quality, flow rate of Mississippi River	
	Contact	See general contact information at end of table	
Environmental Review			
Environmental Review	Responsibility	Reviews and comments on Major redevelopment EAW/EIS within the Watershed regarding impacts on water quality, rate, and volume	
	Contact	See general contact information at end of table	
Mississippi River Corridor Plans			
Mississippi River Corridor Plans	Authority		Hennepin County prepares or amends Mississippi River Critical Corridor Area plans, as required under Minnesota Rules, chapter 6106.0060,

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Hennepin County
			subp.7.
	Contact		See general contact information at end of table
	Responsibility		Hennepin County's role in MRCCA stems from ownership and operation of transportation facilities (county roads and bridges) within MRCCA
	Contact	See general contact information at end of table	See general contact information at end of table
General Contact Information			
		Mississippi Watershed Management Organization 2522 Marshall St NE, Minneapolis, MN 55413 Telephone: (612) 465-8780 Web: http://www.mwmo.org/	Hennepin County Government Center 300 South 6th Street Minneapolis, MN 55487 Web: http://www.hennepin.us/

Water Resource-Related Activities of MWMO Member Organizations

Table 10. Water Resource-Related Activities of MWMO Member Organizations: Anoka County

Water Category and Topics	Activity Type	MWMO	Anoka County
Wetlands			
Wetland Conservation Act (WCA)	Responsibility		Anoka Conservation District staff participate in WCA Technical Evaluation Panel (TEP)
	Contact		Chris Lord Anoka Conservation District Manager chris.lord@anokaswcd.org 763/434-2030
Public Waters Work Permit	Authority	Reviews and comments on Public Works applications before DNR (e.g. dam repair permits)	Anoka County controls access to Highland Lake via ownership of the land adjacent to the lake.
	Contact	See general contact information at end of table	Anoka County Parks 763-324-3300
Wetland Inventories	Responsibility	Conduct a Wetland Function and Value Assessment within the Watershed	Completed a 2004 MLCCS Mapping Project
Monitoring Programs	Responsibility	Wetland monitoring program Monitor Kasota Ponds wetland complex.	
	Contact	See general contact information at end of table	
Surface Waters			
NPDES Phase I and II Stormwater Permit	Authority	Opportunity to comment on member cities annual reports, generally in April of each year	An MS4. Required to adopt a Stormwater Pollution Prevention Program (SWPPP) to reduce the discharge of pollutants to the maximum extent practicable. The SWPPP covers six minimum control measures: 1. Public education and outreach; 2. Public participation/involvement; 3. Illicit discharge detection and elimination; 4. Construction site runoff control; 5. Post-construction site runoff control; and 6. Pollution prevention/good housekeeping.
	Contact	See general contact information at end of table	Nick Dobda 763-862-4261

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Anoka County
			nicholas.dobda@co.anoka.mn.us
Stormwater Treatment Standards	Authority	Sets stormwater quality and quantity (rate and volume) performance standards watershed-wide for areas within its jurisdiction that are at least as stringent as State Stormwater Standards.	
	Contact	See general contact information at end of table	
Impaired Waters	Responsibility	The MWMO is not a MS4. However, it may voluntarily work with the MS4's to plan and implement TMDL's within the watershed.	
	Contact	See general contact information at end of table	
Surface Water Management	Authority	<ul style="list-style-type: none"> - Adopts Water Management Plan (WMP) per approval of BWSR. 10-year WMP addresses MWMO standards, goals, strategies, implementation actions to be carried out, and descriptions of program areas. - Requires local governments to adopt their own Water Management Plan consistent with WMO Plan. - Reviews and approves local water management plans. Denial of local water management plan has potential to holdup approval of City comprehensive plan 	<p>Anoka County is a Plan review authority that review and comment on the 60-day draft of the MWMO Plan</p> <p>Anoka County water management roles are detailed at: https://www.anokacounty.us/1421/Water-Information-and-Management</p>
	Contacts	See general contact information at end of table	
Public Water Access	Authority		Maintains public water access in County parks, as applicable
	Contact		Anoka County Parks 763-324-3300
Monitoring Programs	Responsibility	Monitoring and Outfall Study. An ongoing program to establish baseline water quantity and quality data that can be used for management of outfalls and receiving waters. Six sites are	Multiple resource assessment, ongoing resource monitoring, and water quality performed through Anoka Conservation District.

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Anoka County
		monitored, five stormwater outfalls discharging to the River, and one site at Loring Pond.	
	Contact	See general contact information at end of table	Anoka Conservation District 763-434-2030
Floodplains-Flooding			
Floodplain Programs	Responsibility	Requires members to have a MDNR-approved Floodplain Ordinance as part of the review of local water management plans for inclusion of appropriate floodplain policies	
	Contact	See general contact information at end of table	
Localized Flooding Studies and Mapping	Responsibility	MWMO leads or participates in watershed flooding studies for member cities	- Mapping studies are performed at county level - Most recent Anoka County Flood Insurance Rate Map (FIRM) effective 12/16/2015
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Mississippi river gage reading program	
Shoreland			
Shoreland Management Program	Responsibility	<ul style="list-style-type: none"> - Requires members to have a MDNR-approved Shoreland Ordinance - Reviews local water management plans for inclusion of appropriate shoreland management policies. - Provides guidance on restoration of eroded Mississippi Riverbank areas 	
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Monitors Mississippi riverbank erosion	
	Contact	See general contact information at end of table	
Groundwater-Drinking Water			
Source Water	Responsibility	Share Mississippi River water quality data	

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Anoka County
Assessment Program			
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Monitor Mississippi River	Anoka County Water Resources Management Report contains groundwater information: https://www.anokacounty.us/1421/Water-Information-and-Management
	Contact	See general contact information at end of table	
Wastewater Treatment			
NPDES Industrial and Municipal Wastewater	Responsibility	Funds programs to separate stormwater from entering sanitary sewer system.	
	Contact	See general contact information at end of table	
Inflow and Infiltration Program	Responsibility	Provide information on potential surface and groundwater interaction hazards	
	Contact	See general contact information at end of table	
Habitat-Ecological Resources			
Other Ecological Inventories	Responsibility	Conduct studies on a local watershed scale that inventory ecological data such as native plants and plant communities, rare plant and animal species, and functional landscapes	
Misc. Habitat/Ecological Studies			Active natural resource programming through Anoka County Parks: www.anokacounty.us/823/Programs-Activities Anoka Conservation District Projects www.anokaswcd.org Anoka County Parks System Plan 2018: https://www.anokacounty.us/DocumentCenter/View/Document/1421

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Anoka County
			iew/19424/Park-System-Plan?bidId=
Hazardous Waste			
Hazardous Waste	Responsibility		Administer Hazardous Waste regulations and programs in county. Issues licenses to businesses that generate hazardous wastes. Also conducts inspections, collects reports and enforcement. Offers programs for waste reduction and operates disposal sites.
	Contact		763-422-7063
Contaminated Sites Database	Responsibility	Gather information and data on contaminated soils and groundwater affecting groundwater and surface water interactions	
	Contact	See general contact information at end of table	
Above- and below-ground storage tanks	Authority		Through a joint powers agreement, Hennepin County inspects above ground and underground storage tanks.
	Contact		612-348-3777 environment@co.hennepin.mn.us
Power Generation			
Hydropower License	Responsibility	Reviews and comments on projects for effect on water quality, flow rate of Mississippi River	
	Contact	See general contact information at end of table	
Environmental Review			
Environmental Review	Responsibility	Reviews and comments on Major redevelopment EAW/EIS within the Watershed regarding impacts on water quality, rate, and volume	
	Contact	See general contact information at end of table	
Mississippi River Corridor Plans			
Mississippi	Authority		Anoka County prepares or amends Mississippi

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Anoka County
River Corridor Plans			River Critical Corridor Area plans, as required under Minnesota Rules, chapter 6106.0060, subp.7.
	Contact		See general contact information at end of table
	Responsibility		Anoka County's role in MRCCA stems from ownership of park land within MRCCA.
	Contact	See general contact information at end of table	See general contact information at end of table
General Contact Information			
		Mississippi Watershed Management Organization 2522 Marshall St NE, Minneapolis, MN 55413 Telephone: (612) 465-8780 Web: http://www.mwmo.org/	Anoka Conservation District- Telephone: (763) 434-2032 Web: www.anokaswcd.org Anoka County Environmental Services Telephone: (763) 422-7063 Web: www.anokacounty.us

Water Resource-Related Activities of MWMO Member Organizations

Table 11. Water Resource-Related Activities of MWMO Member Organizations: Ramsey County

Water Category and Topics	Activity Type	MWMO	Ramsey County
Wetlands			
Wetland Conservation Act (WCA)	Responsibility		Ramsey Conservation District staff participate in WCA Technical Evaluation Panel (TEP)
	Contact		Michael Schumann 651-266-7275 michael.schumann@co.ramsey.mn.us
Public Waters Work Permit	Authority	Reviews and comments on Public Works applications before DNR (e.g. dam repair permits)	
	Contact	See general contact information at end of table	
Wetland Inventories	Responsibility	Conduct a Wetland Function and Value Assessment within the Watershed	
Monitoring Programs	Responsibility	Wetland monitoring program Monitor Kasota Ponds wetland complex.	
	Contact	See general contact information at end of table	
Surface Waters			
NPDES Phase I and II Stormwater Permit	Authority	Opportunity to comment on member cities annual reports, generally in April of each year	An MS4. Required to adopt a Stormwater Pollution Prevention Program (SWPPP) to reduce the discharge of pollutants to the maximum extent practicable. The SWPPP covers six minimum control measures: 1. Public education and outreach; 2. Public participation/involvement; 3. Illicit discharge detection and elimination; 4. Construction site runoff control; 5. Post-construction site runoff control; and 6. Pollution prevention/good housekeeping.
	Contact	See general contact information at end of table	Ted Schoenecker 651-266-7116

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Ramsey County
			ted.schoenecker@co.ramsey.mn.us
Stormwater Treatment Standards	Authority	Sets stormwater quality and quantity (rate and volume) performance standards watershed-wide for areas within its jurisdiction that are at least as stringent as State Stormwater Standards.	
	Contact	See general contact information at end of table	
Impaired Waters	Responsibility	The MWMO is not a MS4. However, it may voluntarily work with the MS4's to plan and implement TMDL's within the watershed.	Ramsey County responsible for implementing measures to meet the defined waste load allocation for their Municipal Separate Storm Sewer System (MS4) for approved TMDLs
	Contact	See general contact information at end of table	See general contact information at end of table
Surface Water Management	Authority	<ul style="list-style-type: none"> - Adopts Water Management Plan (WMP) per approval of BWSR. 10-year WMP addresses MWMO standards, goals, strategies, implementation actions to be carried out, and descriptions of program areas. - Requires local governments to adopt their own Water Management Plan consistent with WMO Plan. - Reviews and approves local water management plans. Denial of local water management plan has potential to holdup approval of City comprehensive plan 	Ramsey County is a Plan review authority that review and comment on the 60-day draft of the MWMO Plan
	Contacts	See general contact information at end of table	
Public Water Access	Authority		Maintains public water access in County parks, as applicable
	Contact		Ramsey County Parks and Recreation 651-266-8500
Monitoring Programs	Responsibility	Monitoring and Outfall Study. An ongoing program to establish baseline water quantity and quality data that can be used for management of outfalls and receiving waters. Six sites are	Lake water quality monitoring program, 29 lakes profile water chemistry throughout growing season; bacteriological testing of 11 County beaches; winter dissolved oxygen monitoring

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Ramsey County
		monitored, five stormwater outfalls discharging to the River, and one site at Loring Pond.	
	Contact	See general contact information at end of table	(651) 266-7160
Floodplains-Flooding			
Floodplain Programs	Responsibility	Requires members to have a MDNR-approved Floodplain Ordinance as part of the review of local water management plans for inclusion of appropriate floodplain policies	
	Contact	See general contact information at end of table	
Localized Flooding Studies and Mapping	Responsibility	MWMO leads or participates in watershed flooding studies for member cities	- Mapping studies are performed at county level - Most recent Ramsey County Flood Insurance Rate Map (FIRM) effective 6/4/2010
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Mississippi river gage reading program	
Shoreland			
Shoreland Management Program	Responsibility	- Requires members to have a MDNR-approved Shoreland Ordinance - Reviews local water management plans for inclusion of appropriate shoreland management policies. - Provides guidance on restoration of eroded Mississippi Riverbank areas	
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Monitors Mississippi riverbank erosion	
	Contact	See general contact information at end of table	
Groundwater-Drinking Water			
Source Water Assessment	Responsibility	Share Mississippi River water quality data	

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Ramsey County
Program			
	Contact	See general contact information at end of table	
Monitoring Programs	Responsibility	Monitor Mississippi River	
	Contact	See general contact information at end of table	
Wastewater Treatment			
NPDES Industrial and Municipal Wastewater	Responsibility	Funds programs to separate stormwater from entering sanitary sewer system.	
	Contact	See general contact information at end of table	
Inflow and Infiltration Program	Responsibility	Provide information on potential surface and groundwater interaction hazards	
	Contact	See general contact information at end of table	
Habitat-Ecological Resources			
Other Ecological Inventories	Responsibility	Conduct studies on a local watershed scale that inventory ecological data such as native plants and plant communities, rare plant and animal species, and functional landscapes	
Monitoring Programs			Completes aquatic plant population surveys; coordinates nuisance plant control of Ramsey County beaches and boat ramps; Operates aeration systems on six County lakes
			Public Works (651) 266-7160
Misc. Habitat/Ecological Studies			Active natural resource programming through Ramsey County Parks and Recreation https://www.ramseycounty.us/residents/parks-recreation/habitats-natural-resources-management

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Ramsey County
Hazardous Waste			
Hazardous Waste	Responsibility		Administer Hazardous Waste regulations and programs in county. Issues licenses to businesses that generate hazardous wastes. Also conducts inspections, collects reports and enforcement. Offers programs for waste reduction and operates disposal sites.
	Contact		651-633-3279
Contaminated Sites Database	Responsibility	Gather information and data on contaminated soils and groundwater affecting groundwater and surface water interactions	
	Contact	See general contact information at end of table	
Power Generation			
Hydropower License	Responsibility	Reviews and comments on projects for effect on water quality, flow rate of Mississippi River	
	Contact	See general contact information at end of table	
Environmental Review			
Environmental Review	Responsibility	Reviews and comments on Major redevelopment EAW/EIS within the Watershed regarding impacts on water quality, rate, and volume	
	Contact	See general contact information at end of table	
Mississippi River Corridor Plans			
Mississippi River Corridor Plans	Authority		Ramsey County prepares or amends Mississippi River Critical Corridor Area plans, as required under Minnesota Rules, chapter 6106.0060, subp.7.
	Contact		See general contact information at end of table
	Responsibility		Ramsey County addresses MRCCA issues in its Comp Plan; no portion of the MRCCA in Ramsey

Water Resource-Related Activities of MWMO Member Organizations

Water Category and Topics	Activity Type	MWMO	Ramsey County
			County is located in MWMO
	Contact	See general contact information at end of table	See general contact information at end of table
General Contact Information			
		Mississippi Watershed Management Organization 2522 Marshall St NE, Minneapolis, MN 55413 Telephone: (612) 465-8780 Web: http://www.mwmo.org/	Ramsey County Telephone: (651) 266-8500 Web: http://www.co.ramsey.mn.us/home/index.htm