

Technical Memorandum

To:	Linda Loomis, Administrator Lower Minnesota River Watershed District
From:	Della Schall Young, CPESC, PMP Owner/Principal Scientist
Date:	December 9, 2022
Re:	Lower Minnesota River Watershed District—Projects and Programs Workplans

Below and attached are workplans for projects and programs specified in the recently amended Implementation Section of the LMRWD Watershed Management Plan for the 2023 calendar year.

1. Municipal (LGU) and Individual Projects Permit Programs

Municipal LGU permits: During 2022, the city of Burnsville was conditionally approved for its LGU permit on the condition of reconciliation of outstanding items for Rule D: Stormwater Management and Rule F: Steep Slopes. The plan for 2023 is to coordinate with Savage, Chanhassen, and the Metropolitan Airports Commission (MAC) to get their LGU permits. The District will also complete a Rule A: Administrative and Procedural Requirements specified audit of LGU permit holders that have had their permits for more than a year. This includes Eagan, Mendota Heights, Bloomington, Carver, and Shakopee.

The District has completed municipal coordination meetings with Chanhassen, Mendota, Eden Prairie, Carver, Savage, and Bloomington. The purpose of these meetings is to continue the established collaboration and information-sharing framework, to review recent and upcoming LMRWD and city projects and programs, and to assess resources and leverage on projects that protect or enhance natural resources. The District will meet with Burnsville, Chaska, Lilydale, MAC, and Shakopee the week of December 12, 2022.

Individual project permits: As of Friday, December 2, 2022, the District had processed 41 rules review requests. Attached is a table (Table 1) showing a

breakdown of requests (see also the attached illustration, Figure 1). In 2022, for the first time since the adoption of the District's rules in 2020, the District inspected 38 individual permits. The purpose of the inspections was to confirm compliance with the District's rules during and after the construction of permitted projects.

In 2023, the District will continue to permit individual projects in cities without their LGU permits, MnDOT projects, and LGUs that have opted to have the District maintain specific rules. The plan is to continue project inspection activities next summer and refine the permitting data management system to enhance efficiency and access to the permit information.

2. Education and Outreach (E&O) Program

The 2023 workplan includes continuing management of the citizen advisory committee, social media activities, signage design and placement, school engagement efforts, and partnerships for community outreach and engagement activities. The E&O program's 2022 summary and 2023 workplan allocating \$66,250 are attached as separate documents.

3. CIPs are listed below, and workplans are attached.

- a. Area 3 Stabilization Project—The workplan for this project was approved earlier this year and is underway. The 60 percent plan set and preliminary engineer's cost estimate are on target for completion in January 2023, supporting the District's legislative agenda.
- b. Fen Stewardship Plan—The development of stewardship plans for the District's calcareous fens was recommended in the Fens Sustainability Gaps Analysis for Carver, Dakota, and Scott Counties Minnesota 2020 Report. These plans will build on the information generated and develop specific management strategies for continued protection and preservation of these valued resources. The workplan for this project allocates \$75,000 to the development of fen stewardship programs for Savage and Gun Club Fens and implementation strategies highlighted in the recently completed Seminary Fen Stewardship Plan.
- c. Dredge Management Site—The workplan for this project is not attached but is consistent with the work on the culvert and road submitted to the state of Minnesota for the appropriation. The culvert assessment has been completed and the replacement recommendation shared with the board and accepted. The next steps to be completed in 2023 include culvert upgrade and road improvements, using the District's engineering pool.

- d. Gully Inventory and Condition Assessment—Previously, the District completed gully inventory and condition assessment projects in 2020 and 2021. The goals of the projects were to revisit past sites, identify new erosion sites, and make recommendations for future field work and conditions assessments of high-priority gullies located within the District. In 2023, the District will revisit sites with medium to high erosion potential; continue to coordinate with city partners and other potential stakeholders to review findings; discuss high-priority sites; and strategize ways to stabilize gullies, repair outfalls, and prevent sediment from entering the Minnesota River. The project also includes a feasibility study of the Richard T. Anderson site. The workplan for this project allocates \$90,500.
- e. Minnesota River Floodplain Modeling Project—The update of the district-wide hydrologic model was recommended in the 2022 Lower Minnesota River Floodplain Model Feasibility Study. The District plans to create revised floodplain mapping to allow for better predictions of flood stages within the LMRWD and evaluate the effects of urban development and climate change on the river’s hydrology in partnership with cities within the District. The workplan for this project allocates \$85,632.
- f. Spring Creek (City of Carver)—The District has completed a Spring Creek Hydrology Review, site assessments of Spring Creek, and gully assessments located within Spring Creek’s channel and valley wall. The previous hydrology review consisted of three properties: 112 5th Street West (Site 1), 404 Broadway Street (Site 2), and 116, 4th Street (Site 3). The previous assessments of Spring Creek have led to the workplans described below:
 - i. Spring Creek Site 1 and 2 Design and Construction Stabilization Project—The District will work with a consultant from the consulting pool to develop final construction plans for the stabilization of Sites 1 and 2 and vegetation management strategies.
 - ii. Spring Creek Site 3 Design Feasibility Study—Site 3 was identified during the Spring Creek Hydrology review and prioritized as a top at-risk site for erosion due to the near vertical bank. However, a stabilization design has not yet been developed. The workplan focuses on completing a feasibility study and conceptual design in partnership with the landowner and the Carver Soil and Water Conservation District to determine the best approach to stabilize the area.

Table I: LMRWD Permit Program Summary — December 7, 2022



Permit No.	Project Name	City	Status	Pre-Permit Meeting	Date Received	Date Application Considered Complete	Board Actions			On Hold / Cancelled	Permit Issued	Permit Expiration Date	Renewed	Inspection Date	Date Permit Closed
							Information Only	Conditional Approval	Approval						
2020-105	Freeway Landfill Expansion	Burnsville	Pre-Permit	-	8/19/2022		9/21/2022								
2021-022	2021 Safety and Security Center	Fort Snelling	Active Permit	-	5/18/2021	10/29/2021	-	11/17/2021	-	-	3/18/2022	3/18/2023	-	7/20/2022	-
2021-023	106th St Improvements	Bloomington	Active Permit	-	5/25/2021	5/28/2021	-	6/2/2021	-	-	6/17/2022	6/17/2022	4/20/2022	7/28/2022	-
2021-025	TH 13	Savage	Active Permit	-	6/11/2021	6/15/2021	-	2/16/2022	-	-	5/20/2022	5/20/2023	-	7/13/2022	-
2021-030	Building Renovation Park Jeep	Burnsville	Active Permit	-	7/9/2021	7/16/2021	-	9/15/2021		-	6/21/2022	6/21/2023	-	-	-
2021-033	Minnesota MASH & 130th St Extension	Savage	Active Permit	6/23/2021	9/17/2021	-	-	-	6/15/2022	-	6/17/2022	6/17/2023	-	-	-
2021-035	I35W Frontage Trail	Burnsville	Active Permit	-	12/15/2021	12/22/2021	-	1/19/2022	-	-	11/3/2022	11/3/2023	-	-	-
2021-040	Canterbury Independent Senior Living	Shakopee	Active Permit	-	8/11/2021	8/19/2021	-	9/15/2021	9/15/2022	-	8/19/2022	10/1/2023	-	7/26/2022	-
2021-057	Cliff Road Ramp	Burnsville	Active Permit	-	12/14/2021	1/4/2022	-	1/19/2022	-	-	6/8/2022	6/8/2023	-	7/13/2022	-
2021-058	MAC Gate Security Improvements	Fort Snelling	Active Permit	-	12/15/2021	12/16/2021	-	1/19/2022	-	-	4/27/2022	4/27/2023	-	7/28/2022	-
2022-001	Centerpoint Shakopee Piggings	Shakopee	No Permit Required	-	1/12/2022	-	-	-	-	-	-	-	-	-	-
2022-002	2022 MBL Nicollet River Crossing	Bloomington, Burnsville	Active Permit	-	1/18/2022	-	-	3/16/2022	-	-	4/25/2022	4/25/2023	-	-	-
2022-003	Ivy Brook Parking East	Burnsville	Active Permit	-	1/19/2022	2/25/2022	-	3/16/2022	-	-	5/16/2022	5/16/2023	-	-	-
2022-004	CHS Savage Terminal	Savage	Incomplete	-	1/27/2022	-	-	-	-	-	-	-	-	-	-
2022-005	Chaska West Creek Apartments	Chaska	Incomplete	-	2/8/2022	-	-	-	-	-	-	-	-	-	-
2022-006	Quality Forklift	Shakopee	No Permit Required	-	2/10/2022	-	-	-	-	-	-	-	-	-	-
2022-007	Engineered Hillside	Eden Prairie	Active Permit	-	2/15/2022	3/14/2022	-	-	4/20/2022	-	4/21/2022	4/21/2023	-	-	-
2022-008	Ivy Brook Parking West	Burnsville	Active Permit	-	2/16/2022	2/25/2022	-	3/16/2022	-	-	5/31/2022	5/31/2023	-	-	-
2022-010	Quarry Lake Pedestrian Bridge and Trail	Shakopee	Conditional Approval	-	2/24/2022	-	-	4/20/2022	-	-	-	-	-	-	-
2022-011	Biffs Inc.	Burnsville	Active Permit	-	2/28/2022	3/29/2022	-	4/20/2022	-	-	8/16/2022	8/16/2023	-	-	-
2022-012	Quarry Lake Park Improvements - Roadway and Boat Launch	Shakopee	Cancelled by Applicant	-	3/17/2022	-	-	-	-	5/24/2022	-	-	-	-	-
2022-013	Normandale & 98th Intersection Improvements	Bloomington	Active Permit	-	3/22/2022	4/1/2022	-	4/20/2022	-	-	4/22/2022	4/22/2023	-	-	-
2022-014	TH 41/CSAH 61 Improvements	Chaska	Conditional Approval	2/16/2021; 1/6/2022	3/23/2022	5/11/2022	-	5/18/2022	-	-	-	-	-	-	-
2022-015	Xcel Driveway	Shakopee	Incomplete	-	4/20/2022	-	-	-	-	-	-	-	-	-	-
2022-016	Organic Recycling Facility Relocation	Louisville Township	Incomplete	-	4/20/2022	-	-	-	-	-	-	-	-	-	-



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2022-017	PLOC Channel Stabilization	Shakopee	Active Permit	-	6/30/2022	7/5/2022	-	-	7/20/2022	-	7/21/2022	7/21/2023	-	-	-
2022-018	Lakota Lane	Chanhausen	Under Review	-	4/19/2022	-	5/18/2022	-	-	-	-	-	-	-	-
2022-019	TH 494 SP 2785-433	Eagan and Bloomington	Conditional Approval	-	4/21/2022	6/24/2022	-	7/20/2022	-	-	-	-	-	-	-
2022-020	New Century School	Bloomington	No Permit Required	-	4/28/2022	-	-	-	-	-	-	-	-	-	-
2022-021	Oak St N (CenterPoint Energy)	Chaska	Active Permit	-	4/29/2022	-	-	-	6/15/2022	-	6/17/2022	6/17/2023	-	-	-
2022-022	Ace Rent A Car	Fort Snelling	Incomplete	-	5/10/2022	-	-	-	-	-	-	-	-	-	-
2022-023	494 Corridors of Commerce	Fort Snelling	Pre-Permit	5/3/2022	5/19/2022	-	7/20/2022	-	-	-	-	-	-	-	-
2022-024	Gedney Pickles Holding Pond Restoration	Chanhausen	Active Permit	6/16/2022	8/10/2022	-	-	9/21/2022	-	-	11/14/022	11/14/2023	-	-	-
2022-025	10561 E Riverview Drive	Eden Prairie	No Permit Required	-	6/22/2022	-	-	-	-	-	-	-	-	-	-
2022-026	10521 Spyglass Drive	Eden Prairie	Active Permit	5/31/2022	7/13/2022	8/8/2022	-	-	7/20/2022	-	8/8/2022	8/8/2023	-	-	-
2022-027	Ivy Brook Parking Northeast	Burnsville	Active Permit	-	7/5/2022	-	-	8/17/2022	-	-	8/31/2022	8/31/2023	-	-	-
2022-028	Quarry Lake Park Restroom	Fort Snelling	Active Permit	-	7/6/2022	7/8/2022	-	7/20/2022	-	-	7/22/2022	7/22/2023	-	-	-
2022-029	Reliakor	Shakopee	Closed	-	7/20/2022	-	-	8/17/2022	-	-	9/19/2022	9/19/2023	-	-	10/28/2022
2022-030	Frenchies Metals	Chaska	Incomplete	-	7/22/2022	-	-	-	-	-	-	-	-	-	-
2022-031	RSI Marine (Great Plains Blvd)	Chanhausen	Pre-Permit	-	7/18/2022	-	8/17/2022	-	-	-	-	-	-	-	-
2022-032	PMP Street Maintenance	Bloomington	No Permit Required	-	8/31/2022	-	-	-	-	-	-	-	-	-	-
2022-033	Dred Scott Fields Area	Bloomington	No Permit Required	-	8/31/2022	-	-	-	-	-	-	-	-	-	-
2022-034	Valleyfair Parking Lot Expansion	Shakopee	Conditional Approval	-	9/26/2022	10/11/2022	-	10/19/2022	-	-	-	-	-	-	-
2022-035	Concourse G Infill Pods 2-3 EAW Review	Fort Snelling	No Permit Required	-	9/30/2022	-	-	-	-	-	-	-	-	-	-
2022-036	Structures, Inc.	Chaska	<i>Conditional Approval*</i>	-	10/6/2022	12/2/2022	-	12/14/2022*	-	-	-	-	-	-	-
2022-037	Peterson Wetland Bank	Eden Prairie	Pre-Permit	-	10/3/2022	-	-	-	-	-	-	-	-	-	-
2022-038	Xcel Energy Line 5516	Chaska	No Permit Required	-	10/14/2022	-	-	-	-	-	-	-	-	-	-
2022-039	Former Knox Site	Burnsville	Under Review	-	11/3/2022	-	-	-	-	-	-	-	-	-	-
2022-040	Burnsville Sanitary Landfill	Burnsville	Under Review	-	11/21/2022	-	-	-	-	-	-	-	-	-	-



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STATUS DEFINITIONS:

Active Permit: Applicant has a valid permit issued by LMRWD

Cancelled by Applicant: Applicant withdrew their application for a LMRWD permit

Closed: Applicant has indicated the project has completed construction and that the permit file may be closed

Conditional Approval: LMRWD managers conditionally approved the permit application, pending receipt of additional information from applicant

Expired: Applicant either obtained conditional approval, approval, and/or was issued a permit and the expiration date has passed

Incomplete: Applicant applied for a permit, but the application is incomplete

No Permit Required: Applicant applied for a permit, but during the completeness review, it was determined that the project did not trigger the regulatory thresholds

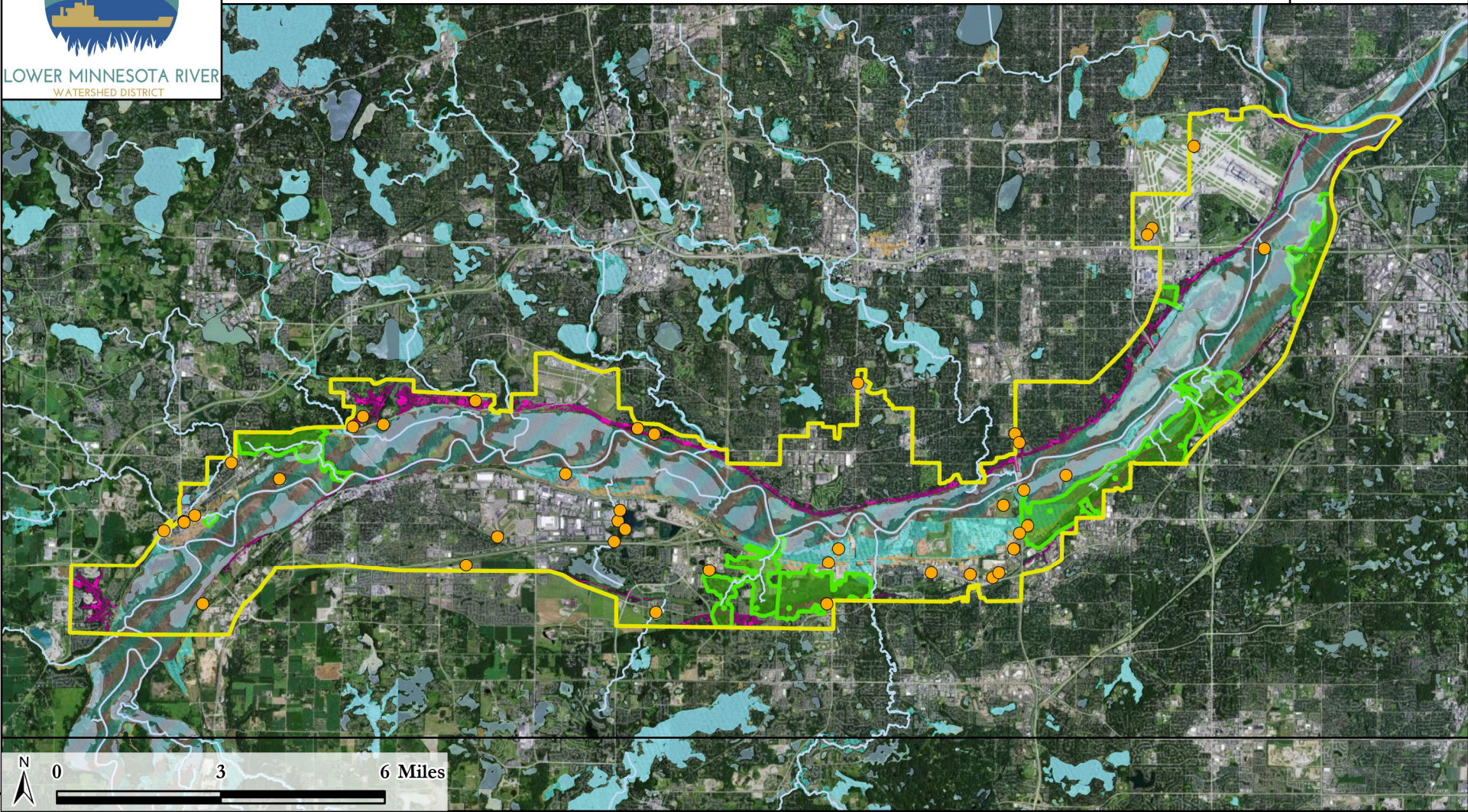
On Hold: Applicant requested their application be placed on hold

Pre-Permit: Applicant has requested pre-permit application reviews or meetings, but has not yet applied for a permit from LMRWD

Under Review: Permit application is complete and under review by LMRWD staff

** Staff recommendation only, has not yet been presented to the Board for action*

2022 Permit Reviews



Legend

- LMRWD Active Permits
- LMRWD Boundary
- Public Waters
- Public Waterbodies
- High Value Resource Area
- Steep Slope Overlay District
- 100-yr Floodplain
- 500-yr Floodplain
- Floodway
- Levee Floodplain Area

Location Map

Projects \LMRWD \Municipal Oversight \GIS Maps