

# Draft Meeting Notes: Wednesday, May. 15, 2024

## Badger Mill Creek Stakeholder Group

Agenda, notes, and meeting materials at [www.madsewer.org/bmc-plus/](http://www.madsewer.org/bmc-plus/)

### Desired outcomes:

- Focused development of project proposals
- Shared experience of Badger Mill Creek

### Participants:

- Melissa Michaud, CARPC
- Nick Bower, CARPC
- Jeremy Balousek, Dane County Land & Water Resources Department
- Ben Schulte, City of Fitchburg
- Chris Barnes, Town of Verona
- Pat Bergen, Friends of Badger Mill Creek Environmental Corridor
- Greg Fries, City of Madison
- Kathy Lake, Madison Metropolitan Sewerage District
- Martye Griffin, Madison Metropolitan Sewerage District
- Topf Wells, Trout Unlimited Southern Wisconsin Chapter
- Jamie Aulik, City of Verona
- David Rowe, WDNR
- Alison Lebwohl, Alison S. Lebwohl Consulting (facilitator)
- Mike Rupiper, EOR (facilitator)

### Other Attendees:

- Amanda Wegner, Madison Metropolitan Sewerage District
- Laura Hicklin, Dane County Land & Water Resources Dept.
- Jason Valerius, CARPC

<i>Topic</i>	<i>Decisions, information gathered, actions</i>
Timeline & Projects	<p>Mike Rupiper gave an overview of the project timeline to date and a review of the remaining project schedule.</p> <p>Mike gave an overview of a sample project profile sheet for each project category that has been suggested by the group (see attached):</p> <ul style="list-style-type: none"><li>• Baseflow Augmentation</li><li>• Groundwater Recharge</li><li>• Watershed Management Plan</li></ul> <p>The group discussed and supported adding a fourth project profile sheet for the USGS monitoring that has been discussed by the group at earlier meetings.</p>

<p>Project proposals</p>	<p>The group sat by the project categories they wanted to work to continue developing the project profile sheets as follows:</p> <p>Baseflow Augmentation:</p> <ul style="list-style-type: none"> <li>• Ben Schulte, City of Fitchburg</li> <li>• Chris Barnes, Town of Verona</li> <li>• Pat Bergen, Friends of Badger Mill Creek Environmental Corridor</li> <li>• Kathy Lake, Madison Metropolitan Sewerage District</li> <li>• David Rowe, WDNR</li> <li>• Jamie Aulik, City of Verona</li> </ul> <p>Groundwater Recharge:</p> <ul style="list-style-type: none"> <li>• Nick Bower, CARPC</li> <li>• Jeremy Balousek, Dane County Land &amp; Water Resources Department</li> <li>• Martye Griffin, Madison Metropolitan Sewerage District</li> <li>• Topf Wells, Trout Unlimited Southern Wisconsin Chapter</li> </ul> <p>Watershed Management Plan:</p> <ul style="list-style-type: none"> <li>• Melissa Michaud, CARPC</li> <li>• Greg Fries, City of Madison</li> <li>• Laura Hicklin, Dane County Land &amp; Water Resources Dept.</li> <li>• Jason Valerius, CARPC</li> </ul> <p>Each group was asked to return an updated version of their group's project profile sheet by June 4th</p>
<p>Action items</p>	<p>Facilitators:</p> <ul style="list-style-type: none"> <li>• Type up and share notes with the group.</li> <li>• Incorporate decisions and discussions into project planning as needed.</li> </ul> <p>Stakeholder group participants:</p> <ul style="list-style-type: none"> <li>• Review these notes and email Alison &amp; Mike with corrections.</li> <li>• Return an updated version of your group's project profile sheet by June 4<sup>th</sup>.</li> <li>• In order to maximize the value of our time together, all participants commit to doing advance work, including providing feedback through advance surveys.</li> </ul>



# Baseflow Augmentation for Badger Mill Creek

## PROJECT TYPE

Baseflow Augmentation

## START

Design: In progress

Construction: Summer 2025

## COMPLETION

Design: Summer 2025

Construction: Spring 2026

## LOCATION

Goose Lake

## DESCRIPTION

The purpose of this project is to develop a project that would provide baseflow augmentation to Badger Mill Creek from Goose Lake. The City of Fitchburg and Town of Verona are already evaluating options for reducing water levels at Goose Lake and have consultants under contract for this work. The project will be developed in 2 phases – a design phase, followed by a construction phase. Key considerations of the design phase include providing flow to Badger Mill Creek when it is most needed (during periods of dry weather rather than during rain events) and sustaining cool water temperatures and water quality to Badger Mill Creek. The use of drain tile is one design alternative to be considered.

## BACKGROUND

The City of Fitchburg, Friends of Badger Mill Creek Environmental Corridor, City of Madison, Madison Metropolitan Sewerage District, Trout Unlimited Southern Wisconsin Chapter, WDNR, and City of Verona members of the stakeholder group put forward this project proposal to develop a baseflow augmentation project in the Badger Mill Creek Watershed. The City of Fitchburg and Town of Verona have contracted with a consulting team of AECOM/Ruekert-Mielke to design and permit stormwater improvements for Fitchrona Road and Goose Lake. Dane County is the property owner of much of the land surrounding Goose Lake.

## PARTICIPATING STAKEHOLDERS

Lead Organization(s): City of Fitchburg, Town of Verona, Dane County

Supporting Organization(s): \_\_\_\_\_

## FUNDING

It is anticipated that funding for this project would be contributed by the City of Fitchburg, Town of Verona, and MMSD.

### Estimated Project Cost

Design Phase: \$100,000

Construction Phase: \$ \_\_\_\_\_

## RESOURCE LINKS

# Groundwater Recharge for Badger Mill Creek

## PROJECT TYPE

Groundwater Recharge

## START

Design: Winter 2024

Construction: Summer 2025

## COMPLETION

Design: Summer 2025

Construction: Spring 2026

## LOCATION

Upper Badger Mill Creek

## DESCRIPTION

The purpose of this project is to develop a 0.25 cfs infiltration / groundwater recharge project in the Upper Badger Mill Creek Watershed. The project will be developed in 2 phases – a design phase, followed by a construction phase. Key components of the design phase include site selection, site evaluation (borings, monitoring wells, hydraulic testing, etc.), detailed engineering design, public engagement, and permitting.

## BACKGROUND

The Madison Metropolitan Sewerage District, Dane County Land & Water Resources, and Capital Area Regional Planning Commission members of the stakeholder group put forward this project proposal to develop a groundwater recharge project in the Badger Mill Creek Watershed. A similar 50 million gallon per year project has been operating at the Odana Golf Course for 20 years which takes stormwater from Odana Pond, filters it, and pumps it to a subsurface infiltration bed. Dane County has developed an interactive recharge map that can be used in the site selection process.

## PARTICIPATING STAKEHOLDERS

Lead Organization(s):

Supporting Organization(s):

## FUNDING

It is anticipated that funding for this project would be contributed by MMSD.

### Estimated Project Cost<sup>1</sup>

Design Phase: \$200,000 - \$400,000

Construction Phase: \$1,000,000 +

## RESOURCE LINKS

Dane County's interactive recharge map. [Link to map.](#)

Odana Golf Course Groundwater Recharge Project. [Link to presentation.](#)

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<sup>1</sup> Cost estimate based on costs for the Odana Golf Course Recharge Project (\$400,000 design, \$1,000,000 construction)

# Badger Mill Creek Watershed Management Plan

## PROJECT TYPE

Watershed Management Plan

**START** February 2025

**COMPLETION** December 2025

## LOCATION

Entire Badger Mill Creek Watershed

## DESCRIPTION

The purpose of this project is to develop a comprehensive watershed management plan for the Badger Mill Creek Watershed. The plan would be developed under a contract with (the UW Water Resources Management practicum or another organization). Key elements proposed for inclusion in the plan are:

- Asset inventories (species other than fish, recreational amenities, etc.) – could get community participation with inventories.
- Comprehensive set of mapping
- Community input – goal to increase public awareness and buy-in.
- Modeling (climate variability, urban development, economic shifts)
- How could community types be affected by projects?
- Issues assessment

## BACKGROUND

The Upper Sugar River Watershed Association, Dane County Parks, and Capital Area Regional Planning Commission members of the stakeholder group put forward this project proposal to develop a comprehensive watershed management plan for the Badger Mill Creek Watershed. This subcommittee agreed that developing a comprehensive management plan is a logical next step that would also include advancing the other priorities of base flow augmentation and groundwater recharge. The project is recommended to:

- Provide data to make informed decisions both short-term and long-term.
- Generate community awareness, buy-in and support.
- Gain an understanding of the community's watershed priorities across jurisdictional boundaries. (Most planning efforts are within these boundaries, not at a watershed level).
- Mobilize support for a broad range of goals and activities across potentially disparate groups.

## PARTICIPATING STAKEHOLDERS

Lead Organization(s): USRWA, CARPC

Supporting Organization(s): Dane County

## FUNDING

It is anticipated that a WDNR Comprehensive Management Planning grant will be applied for which would fund \$25,000 of this project, with \$25,000 to be contributed by MMSD.

### Estimated Project Cost

\$50,000

**RESOURCE LINKS**

[WDNR Comprehensive Management Planning for Lakes & Watersheds](#)

SAMPLE