Minnesota Stormwater Research Council

in partnership with the

Minnesota Stormwater Research Program



2022 HIGHLIGHTS

Item 7E.

Research projects COMPLETED since 2017



NEW research projects beginning 2022

- . Prioritizing Urban Stormwater Pond Research
- Requesting Research Funds
- . Seeking MSRC Advisory Board Member Nominations

Advancing science, technology and management of stormwater in Minnesota by investing in and facilitating research to prevent, minimize, and mitigate the impacts of runoff from the built environment.

wrc.umn.edu/stormwater

The Stormwater Research Council in partnership with the Minnesota Stormwater Research Program

This collaboration pools financial resources to support research, shares research outcomes and engages stakeholders to determine research needs.

Learn more about the council, view the advisory board, and subscribe to our mailing list visit wrc.umn.edu/msrc



ON-GOING STORMWATER RESEARCH PROJECTS

How can soil mixes in biofiltration practices impact phosphorus capture and release and plant growth?



BIOFILTRATION

BIOCHAR

At what level are gross organic solids contributing to stormwater pollutant loading?



Will the addition of biochar help filter practices remove bacteria and dissolved contaminants?



Can we combine stormwater monitoring data from various cities, watersheds and agencies to more specifically characterize urban runoff quantity and quality?



MONITORING

NEW 2022 RESEARCH PROJECTS



1. Developed a short term research strategy

2. Completed a comprehensive literature review of past research on ponds - more than 600 published reports were reviewed

3. Established a fund dedicated to pond research

4. Preparing for a pond-only competitive research proposal process in 2022

For more information, please visit our website.



FINANCIAL SUMMARY AND 2022 REQUEST FOR RESEARCH FUNDS

Financial support for the Stormwater Research and Technology Transfer Program is provided by the Clean Water Fund from the State of Minnesota's Clean Water, Land and Legacy Amendment. Additional support comes from the Minnesota Stormwater Research Council and it's member cities, watersheds, private businesses, the University of Minnesota Water Resources Center, Minnesota Sea Grant, the College of Food, Agriculture, and Natural Resource Sciences, and the National Institutes for Water Resources funded by the US Geological Survey.



JOIN US as a financial partner to achieve or surpass this year's goal

2022 GOAL \$150K



Read more about the 2022 request and respond with your organization's commitment on the website at wrc.umn.edu/msrc

THANK YOU to the following cities, watershed districts and organizations, and private sector businesses that provided financial support in 2021:

- Barr Engineering Company
- Capitol Region Watershed District
- City of Bloomington
- City of Edina
- City of Minnetonka
- Mississippi Watershed Management Organization
- Ramsey-Washington Metro Watershed District
- South Washington Watershed District
- Stantec
- Upper Mississippi River Source Water Protection Project
- Valley Branch Watershed District
- Nine Mile Creek Watershed District

Nominate someone for a seat on the advisory board

The Minnesota Stormwater Research Council is seeking new advisory board members starting January 2023. Review the Council Guiding Framework and nomination process on the website wrc.umn.edu/msrc

Contact:

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Water Resources Center

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