



Water Resources Center

Advancing science-based solutions for freshwater management

Calling for A.C.T.I.O.N with people for clean water

Presented by John Bilotta
Minnesota Water Summit– May 2019



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100% protected. No entry. 1892.

What inspired people, policy leaders, and professionals to act?



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The outfall

A.C.T.I.O.N.

- A** Acquire knowledge, skills, funding
- C** Capture stormwater runoff, volume, pollutants, control rates
- T** Tackle tough issues at the intersection of land use and water management
- I** Inspire people, policy makers, professionals...and all people
- O** Organize people and work together to target the 3Ps (planning, practices, and policies)
- N** Negotiate with people about./to...



Stormwater Research Roadmap for Minnesota

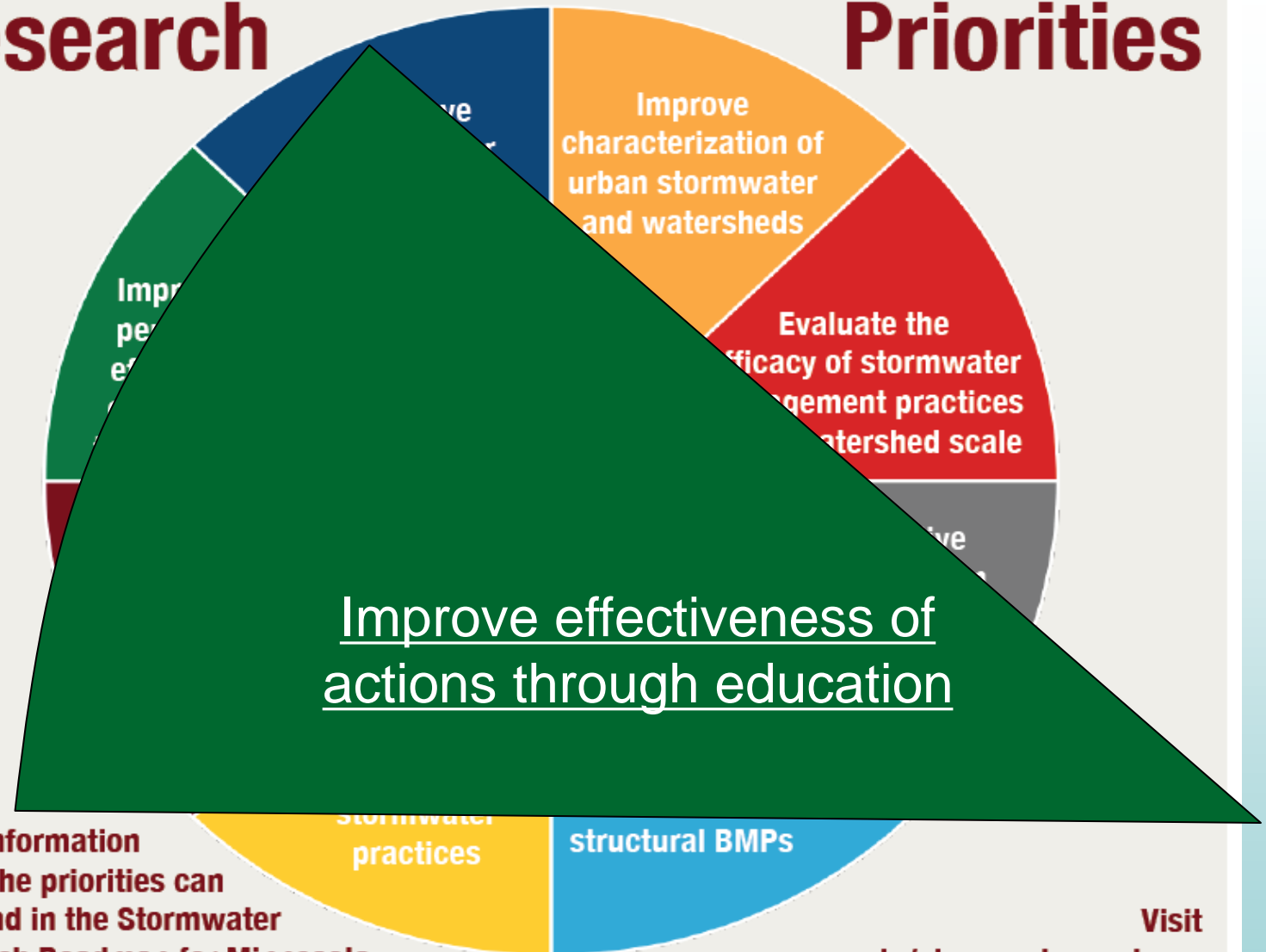
2018

Priority research needs for improved stormwater management and policy



Research

Priorities



Improve effectiveness of actions through education

More information about the priorities can be found in the Stormwater Research Roadmap for Minnesota.

Visit wrc.umn.edu/stormwaterroadmap



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Research Need #7 Improve education approaches

Top research priorities were

- “to elicit behavior change” and
- “effectiveness of education to improve water quality.”
- Lack of public support; how to build it.



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Stormwater Research and Technology Transfer Program

- Accelerate research
- Coordinate and conduct impactful education
- Raise visibility and synergies
- Enhance efficiency and effectiveness

Minnesota Stormwater Research Council

The Council is composed of professionals, practitioners, managers, engineers and researchers that advise and provide direction for urban stormwater research in Minnesota.



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Field Tests



Photo courtesy of A. Erickson, 2018.

Funding stormwater research 2017-2018

\$1.5M

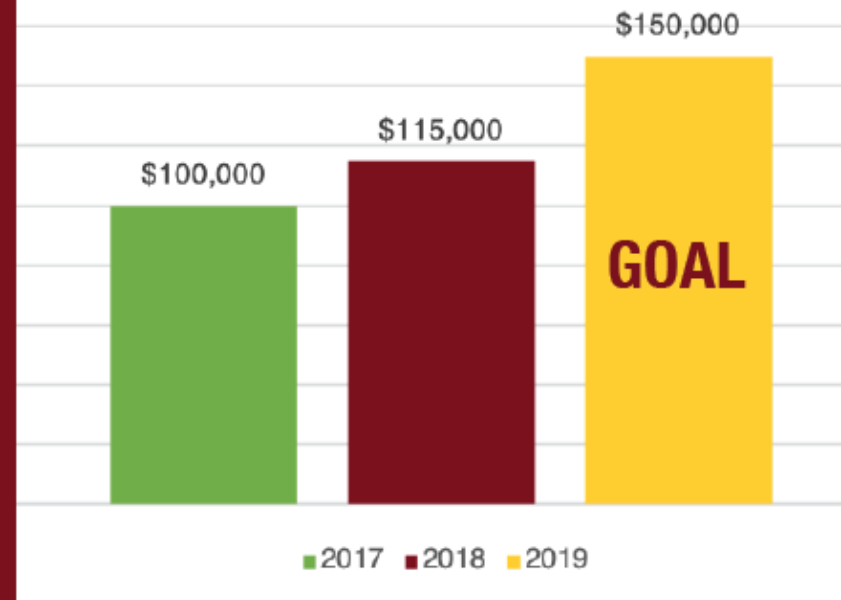


\$215K

Pooled fund sources

Capitol Region Watershed District
Comfort Lake-Forest Lake Watershed District
Mississippi Watershed Management Organization
Nine Mile Creek Watershed District
Ramsey-Washington Metro Watershed District
South Washington Watershed District
Valley Branch Watershed District
City of Edina
City of Minnetonka
City of Woodbury
Wenck Associates
Minnesota Cities Stormwater Coalition

Steady Increase in Funding



With additional support from Minnesota Sea Grant
and Minnesota Extension



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2017-2020 Research Highlights



11

Projects



50+

Researchers

Two categories of research projects

Rapid Response (12mo.)

Integrated (18mo.)



Photo Courtesy: A. Erickson



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Example

Inspiring Community Action for Stormwater Management

Davenport, Pradhananaga, et al



1. Assess the capacity of municipalities across Minnesota to engage their communities in stormwater management.
2. Examine what motivates residents, including racially and ethnically diverse residents in Minnesota metropolitan areas, to engage in community issues such as stormwater management.
3. Explore the roles community-based organizations and local government officials play in inspiring community action for stormwater management.



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Governor's Water Summit Report 2016

*Broaden
Strengthen
Promote
Reduce
Treat
Ensure*

What Minnesotans said

"Public education: There's a lack of ethic about what people put down the drain and how we treat water."



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- N Negotiate with people





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Presented by John Bilotta

email: jbilotta@umn.edu

phone: 612.624.7708

wrc.umn.edu/projects/stormwater

Please take a copy of the SWRR & Research Program Highlight with you.



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