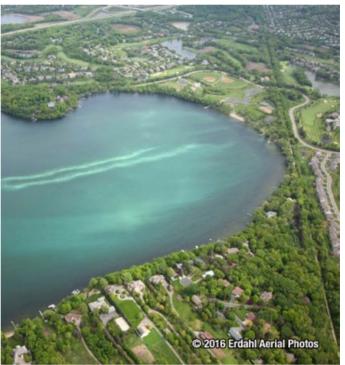


What do we do?







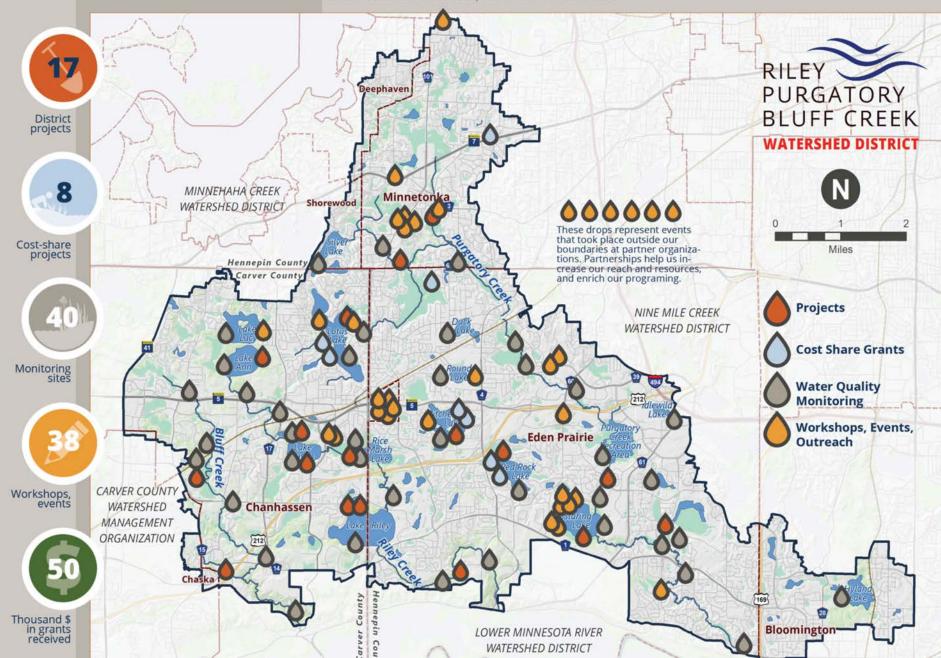






2017 AT A GLANCE

With three creeks, over a dozen lakes, many acres of wetlands, and seven cities, there are many things to do and places to be in the District. Explore the map below to find out where we've been, and what we've done in 2017.





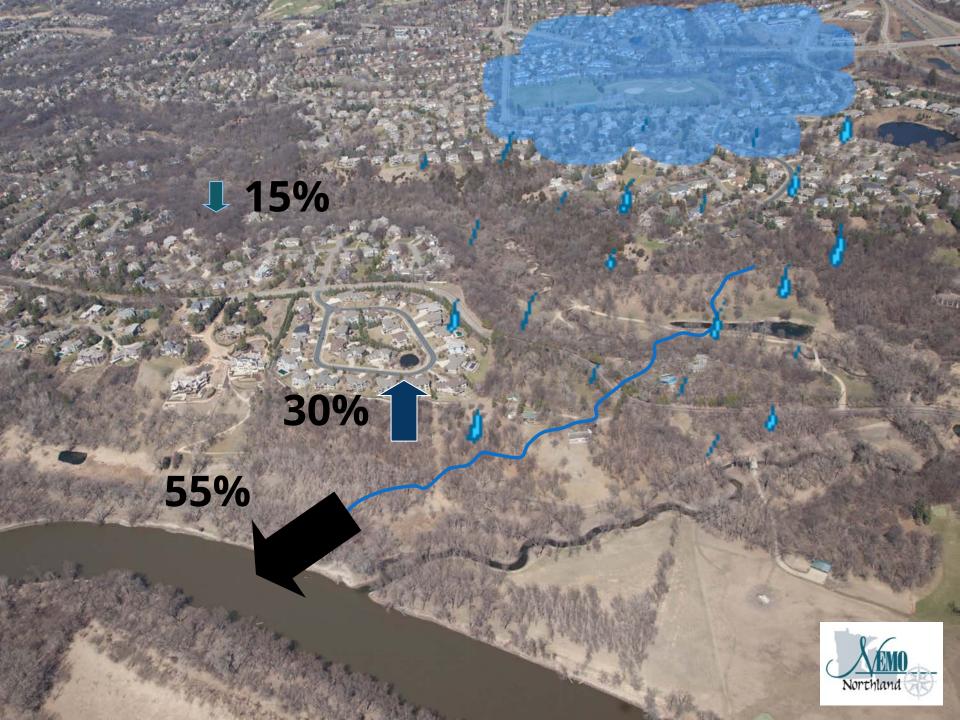
Everything we do on land







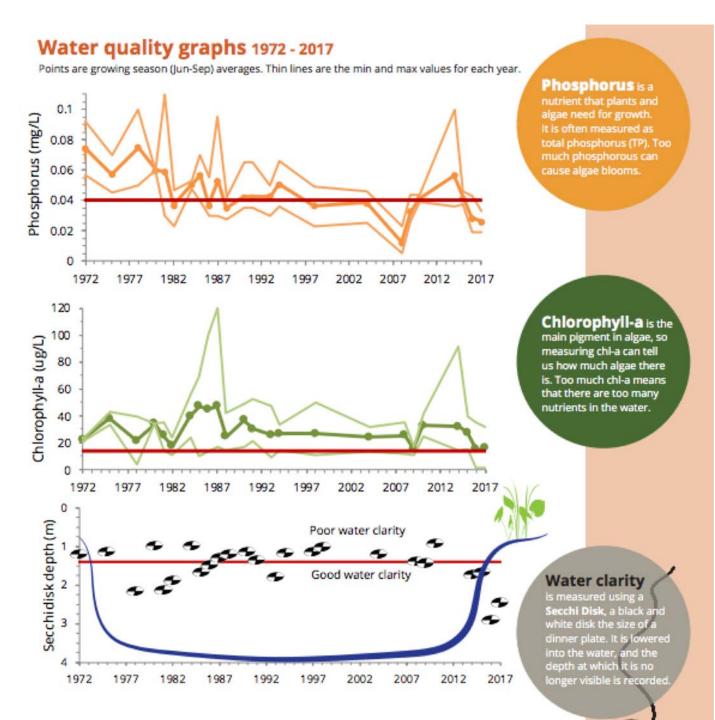




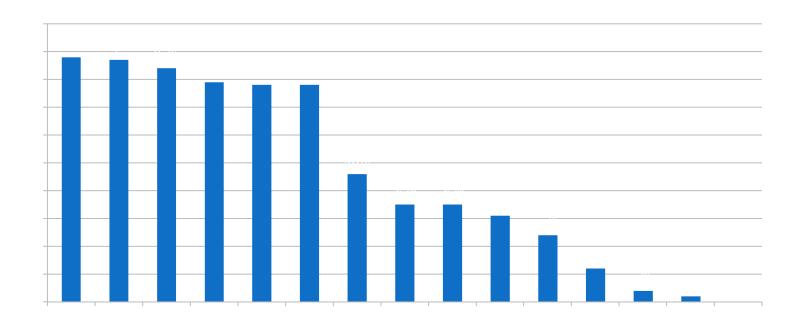


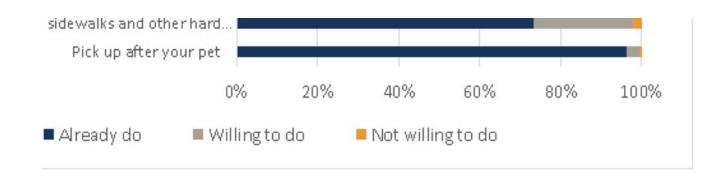


How is Riley doing?



What can you do?





Simple Solutions

• Disconnect downspouts connected directly to impermeable surfaces and reposition ones over impermeable surfaces



 Downspout over impermeable surface



 Downspout over permeable surface



Directly connected downspout

Rethinking Turf Lawns



No Mow Turf Grass – A fine fescue mix that requires minimal mowing, water, and fertilizer.

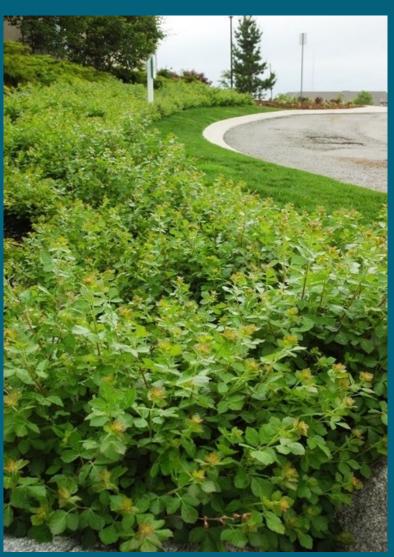
Rethinking Turf Lawns

Shrub Massings

 Low growing shrubs offer a great alternative to turf grass, especially on slopes and under trees.



Creeping Juniper (Juniperus horizontalis)



Gro Low Fragrant Sumac (Rhus aromatica 'Gro Low')

Rethinking Turf Lawns

Ground Covers

- Create a carpet appearance
- Often planted under trees and in partial shade to shady conditions

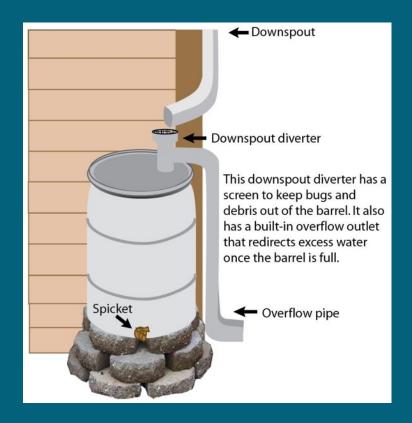


Sweet Woodruff (Galium odoratum)



Pachysandra (Pachysandra terminalis)

Rainbarrels/Cisterns







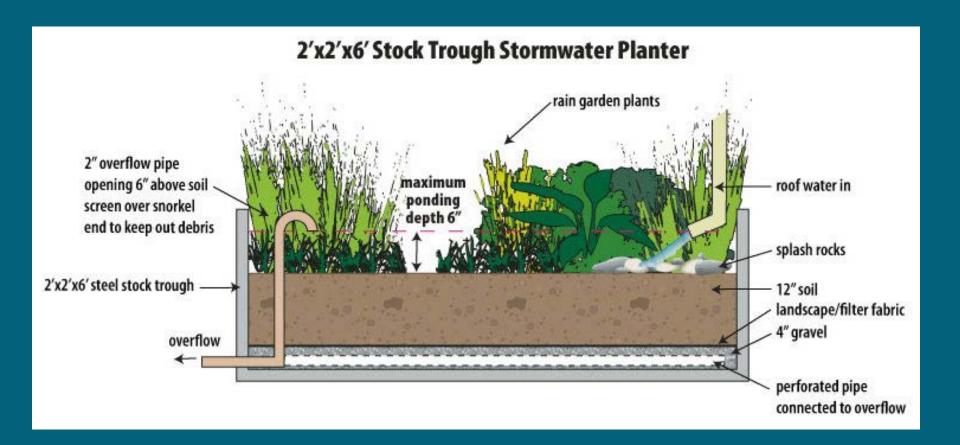
*Recycling Association of Minnesota has a sale every spring: ram@recycleminnesota.org

Downspout Planters





Downspout Planters

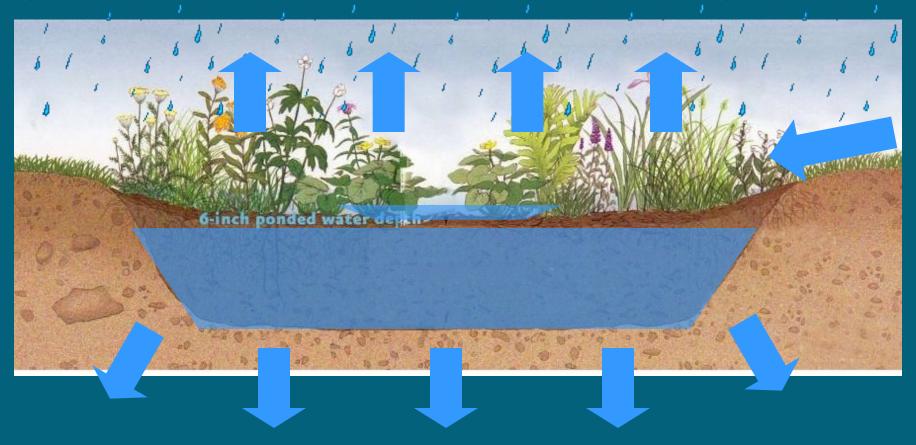


Raingardens





Raingardens: How they work



Just like a regular garden planting, but able to store and absorb rainwater while breaking down pollutants and providing habitat

Basic Keys to Success

Hydrology

Soil Prep



Plant Selection



Topography and Hydrology

- What are the water sources?
 Downspouts, Roadways,
 Driveway, Neighboring Property
- Where are the High and Low Points?
- Identify the paths of concentration.
- Where are the proper interception points?
 Not at the bottom of the watershed
- Where is the water going?
 Street, Neighboring Property,
 Water Body, Basement
- What is in the water?
 Road Salts and Sediments, Lawn chemicals



Design Considerations

- Identify existing vegetation Work with your existing palette
- Determine location of utilities
- Locate all structures (stay 10' away from buildings)
- Determine property lines and easements
- Identify any local ordinances affecting project



Bio Swales and Dry Creek Beds



Bio Swales and Dry Creek Beds



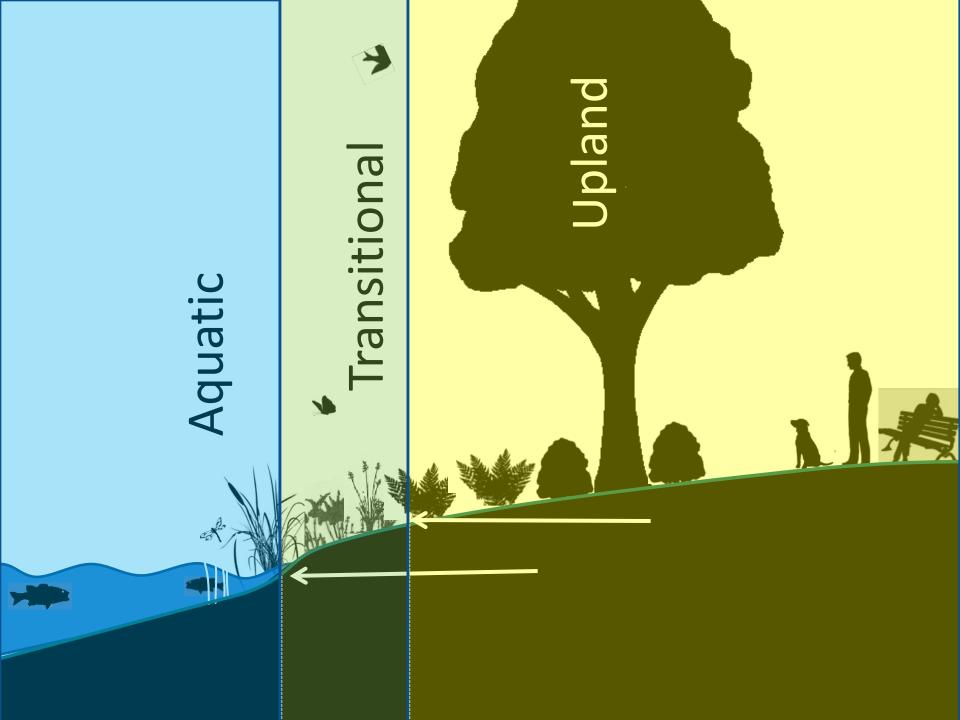


Planted Pavers



Shoreline Buffers/Native Buffers







Before

Metro Conservation Districts Ramsey Conservation District



Newly installed



After

Metro Conservation Districts Ramsey Conservation District





Riley Purgatory Bluff CREEK WATERSHED DISTRICT



Cost share grants

2018 applications

Deadlines:

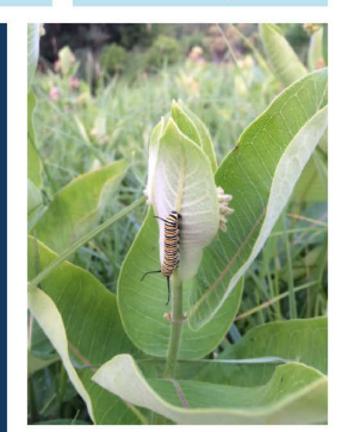
First round: April 11 Second round: June 13

Grants are available for projects that:

- improve watershed resources
- foster water resource stewardship
- increase awareness of water resource vulnerability
- increase familiarity with solutions to improve waters

Project ideas

raingardens, cisterns, green roofs, pervious pavement, shoreline stabilization, streambank restoration, wetland restoration



Funding

- Up to 75% match of eligible expenses
- Up to:
 - \$3,000 per project for homeowners
 - \$20,000 per project for nonprofits
- Can count your labor
- Project must be completed within 1 year of signed agreement
- Funds will be disbursed after proper completion of project



