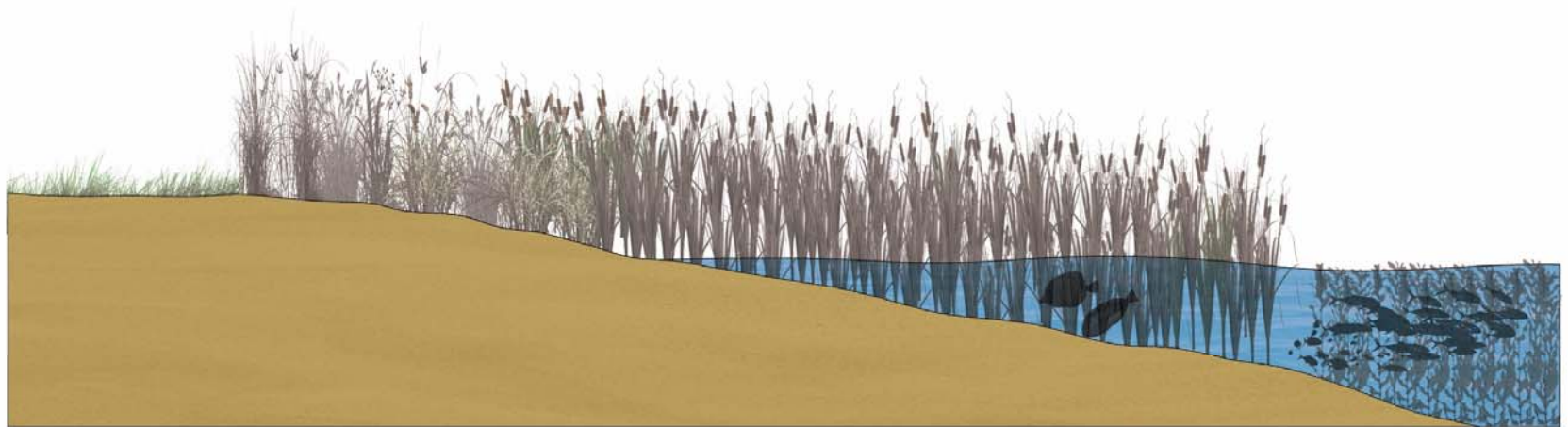


Natural Lake Shoreline



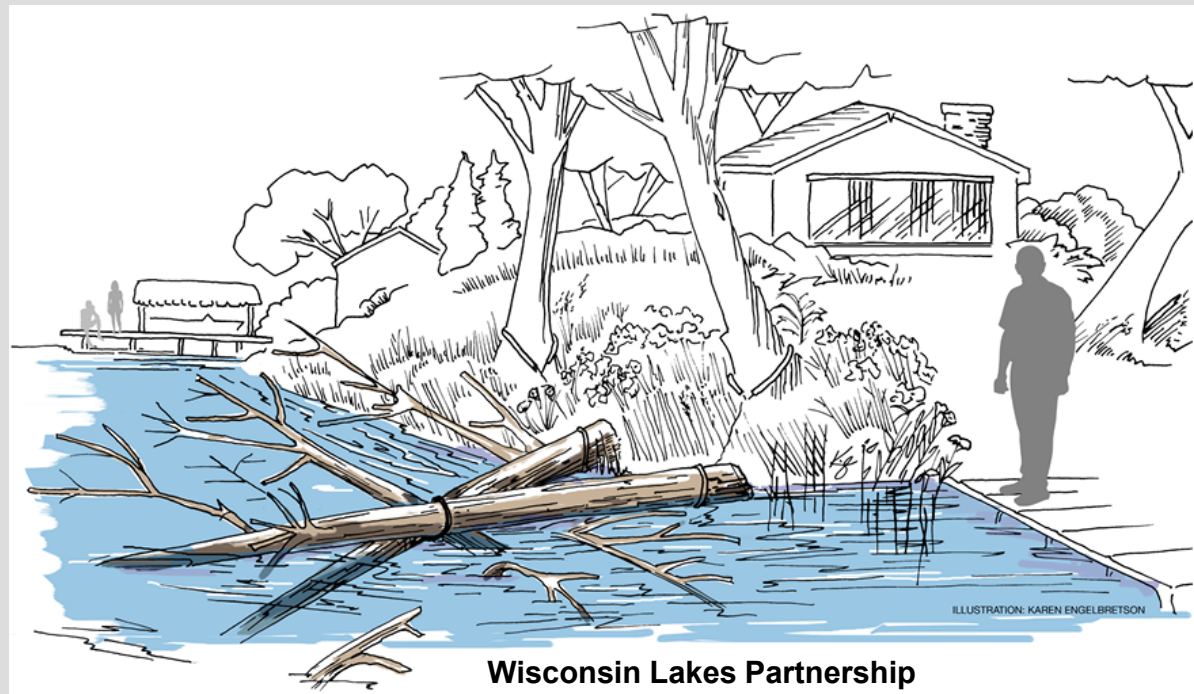
Shoreline Restoration

- Prevent shoreline erosion
- Intercept pollutants from upland sources
- Provides valuable wildlife habitat



Aquatic Habitat Practices

- Fish and wildlife habitat BMP
- Creates food, shelter, and breeding areas
- Small aquatic insects, to fish, to turtles, ducks, and songbirds
- Can also help prevent bank erosion – protecting lakeshore properties and your lake.



Wisconsin Lakes Partnership

Bioretention: Raingardens & Swales

- Collect and treat stormwater runoff.
- Reduce pollution to lakes, rivers and streams.
- Provide habitat for birds, insects, and other wildlife.



Brown's Creek Watershed District

Turf Management

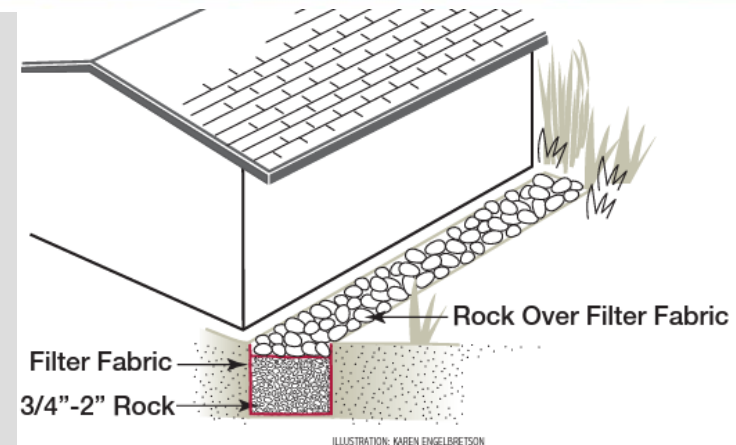
- Mow and fertilize less!
- Maintain a healthy and environmentally friendly yard by:
 - Mow to a height of 3 inches to promote deeper roots.
 - Use sharp mower blades.
 - Leave clippings in the lawn (do not sweep into the lake or street.)
- Consider low-input turf alternatives that fit your site.



Low-mow lawn in Stillwater, MN

Rock Infiltration

- Captures, cleans, and infiltrates runoff
- Appropriate for sandy to loamy soils only (not clay!)
- May require a catch basin or diversion practice to redirect runoff water to it



Useful Links

Do I need a permit:

Contact Brown's Creek Watershed District and your local community. You can determine if a state permit is needed:

<https://www.dnr.state.mn.us/permits/water/needpermit.html>

Aquatic Vegetation

<https://www.dnr.state.mn.us/apm/index.html>

Beach Sand Blanket

https://files.dnr.state.mn.us/publications/waters/shoreline_alterations_sand_blanket.pdf

Boat Ramp

https://files.dnr.state.mn.us/publications/waters/shoreline_alterations_boat_ramps.pdf

Riprap

https://files.dnr.state.mn.us/publications/waters/shoreline_alterations_riprap.pdf



For More Information



Contact the WCD for a free site visit:

<http://www.mnwcd.org/site-visit-signup-form>

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The screenshot shows the Washington Observation District website. At the top, there is a navigation menu with links for HOME, THE DISTRICT, EDUCATION, LAND, WETLANDS, WATER, and TREE SALE. Below the menu, a text block asks: "Wondering whether a rain garden is a good fit for your yard? Struggling to identify an invasive species? Want to restore a prairie, but don't know where to start?". To the right of this text is a "SITE VISIT SIGN-UP" section. Below the text is a "Find Your Watershed Map" section featuring a map of the Minneapolis area with various watersheds highlighted in different colors (blue, green, red, purple). The map includes labels for cities like Elk River, Forest Lake, Stillwater, Hudson, Woodbury, and Hastings. The "SITE VISIT SIGN-UP" section contains the following text: "Sign up now to schedule a site visit in the spring. Site visits are scheduled Monday through Friday, 8am-4pm, from April to October, and usually last about one hour. All residents of Washington County are eligible for a free site visit. If you don't know what watershed you live in, you can use the Find Your Watershed Map to find out."