Water in Wisconsin

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Run-off









Algae blooms









Invasive species









Climate change





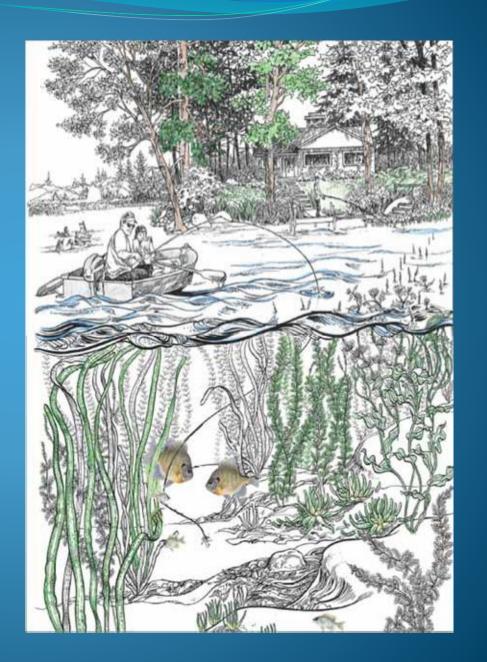
Emerging contaminants



So many issues that it can be overwhelming as an individual looking to make change

Shoreland Health

What are healthy shorelands and why do we need them?



"In order to restore the functional values of a shoreland habitat, vegetation shall be vigorous, diverse and structurally complex and shall include **herbaceous** cover, a **shrub** layer and a **tree** canopy" NRCS Code 634 Shoreland Habitat



- Softens rainfall reducing erosion
- Provides perching, foraging and nesting sites for birds
- Provides shade
- Fallen trees provide fish habitat, wildlife perching sites and food for aquatic invertebrates



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- Provides nesting sites for birds
- Provides cover, foraging and travel corridors for mammals
- Prevents nuisance wildlife
- Softens wave action and stabilizes shoreline



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CanStockPhoto.com

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Ground cover

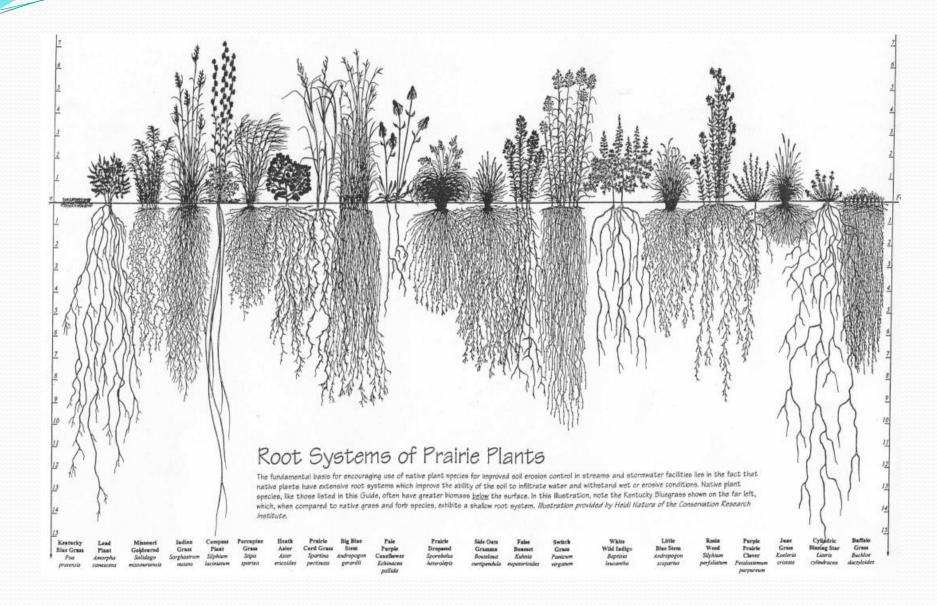


- Removes phosphorus from runoff
- Slows the water flow off the land which allows heavy particulates to settle out and reduces erosion
- Acts as a flood control

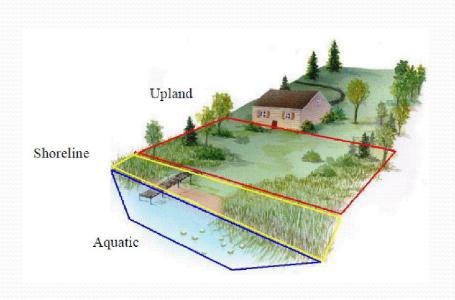
Root system



- Filters runoff and associated pollutants before they reach the lake and ground water supply
- Prevents scouring of shallow waters
- Stabilizes shoreline



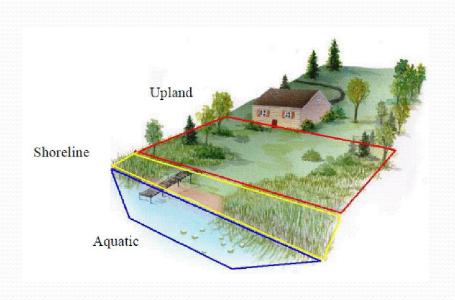
Shoreland Zoning



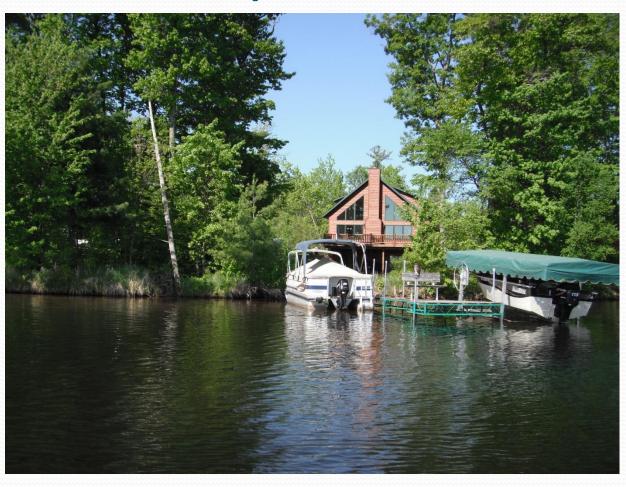
- NRCS Code 634
 - Buffer depth
 - 35 feet minimum
 - View and access
 - 30 feet maximum

Wisconsin's Biology Tech Note 1: Provides guidance on best management practices for shoreland preservation and restoration.

Shoreland Zoning



- WDNR NR 115
 - Buffer depth
 - 35 feet minimum
 - View and access
 - Lesser of 30% of frontage or 200 feet maximum

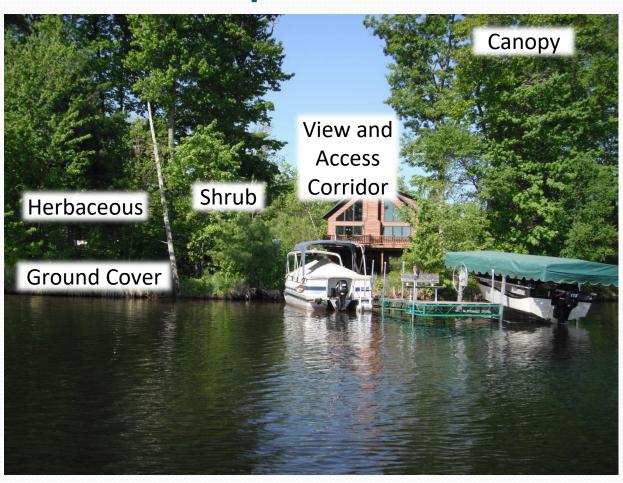




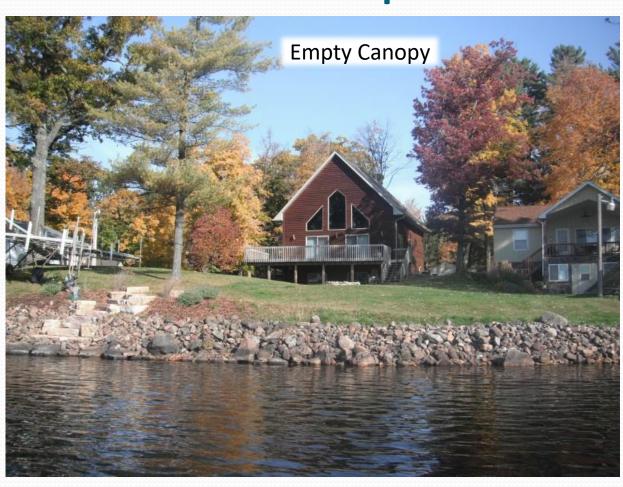




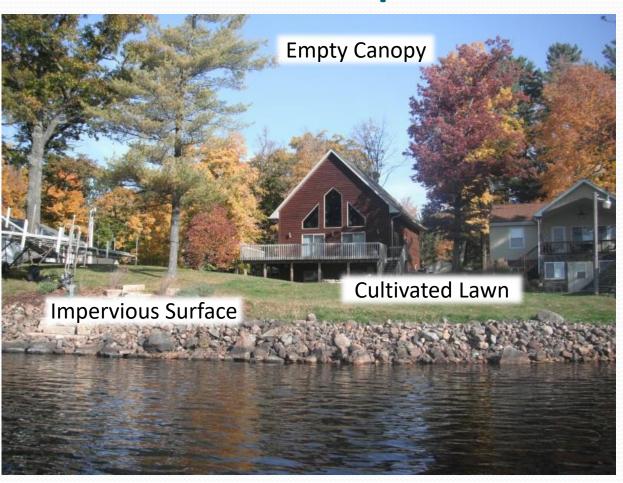


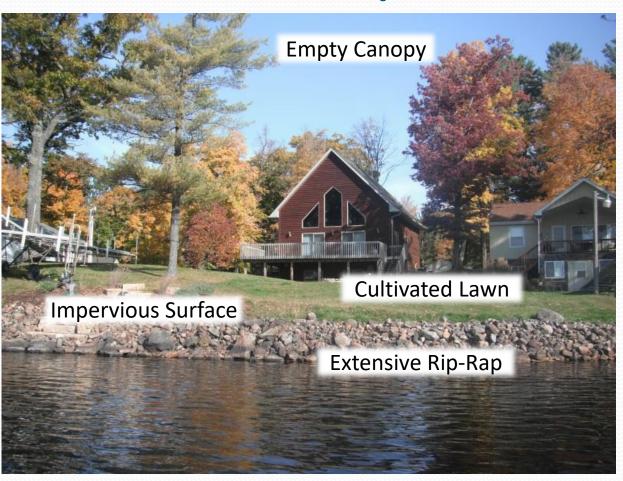












How can you help?



https://healthylakeswi.com

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Healthy Lakes & Rivers Grants

- \$1000/best practice funding cap
- Eligible sponsor applies on behalf of landowners with \$25,000 grant award cap (multiple best practices) and 75 state/25 sponsor cost share
- 2-year grant agreement and 10-year individual landowner contract with maintenance requirements
- September 15 pre-application deadline
- November 15 final deadline

5 Best Practices



Practice #1: Fish Sticks



Pewaukee Lake, Waukesha County (Tom Koepp)

 Commit to no-mow or 350 ft² native planting at the base

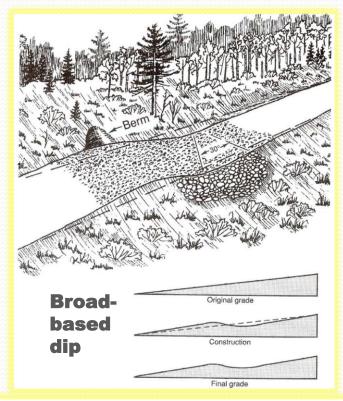
Practice #2: 350 ft² Native Plantings

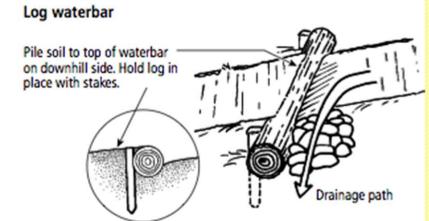


- 350 contiguous ft² at least 10 feet wide
- Must follow technical guidance

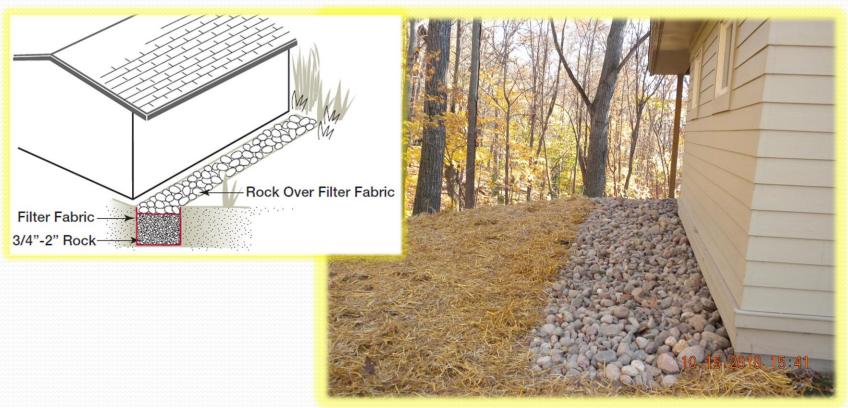
Practice #3: Diversion



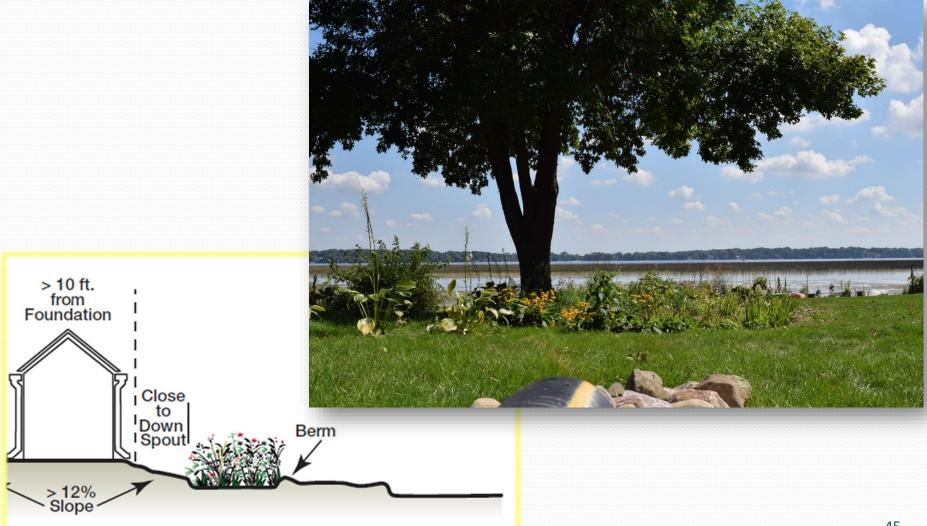




Practice #4: Rock Infiltration

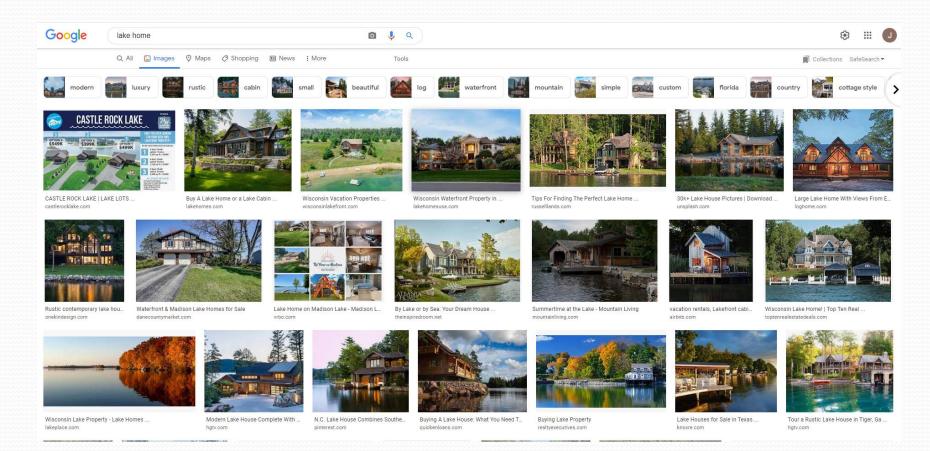


Practice #5: Rain Garden





Change the culture



Instead of this



Normalize this



Normalize this





