



# LAKESCAPING

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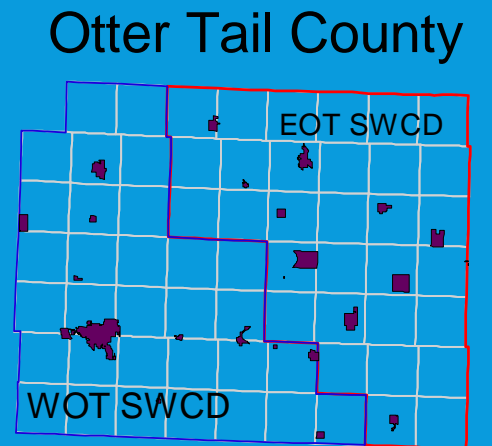
*Shoreland Specialist*

East Otter Tail Soil & Water Conservation District

SOIL & WATER, CONSERVATION SERVICE, SOIL OFFICE, SOIL AND WA-WHAT? DNR?

# SOIL AND WATER CONSERVATION DISTRICT

- What is a Soil & Water Conservation District, other than a mouth-full?
  - SWCD's are a local form of government , established to encourage private landowners to conserve soil and water resources
  - Provide technical and financial assistance to private landowners to put projects in the ground
  - Most of our programs are voluntary
  - We have a unique partnership with Federal, State, and Local Resource Agencies
    - NRCS
    - Dept of Natural Resources, Dept of Agriculture, Dept of Health
    - County Land & Resource Department

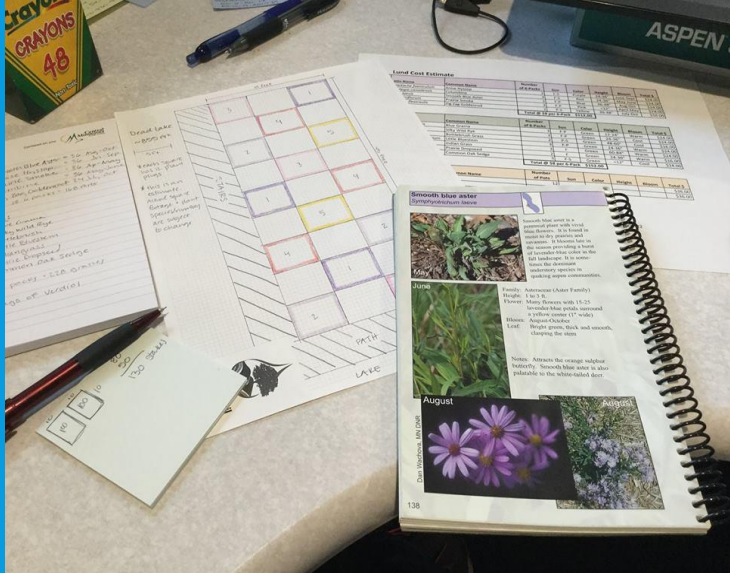


# SHORELINE BUFFER & RAIN GARDEN

- Shoreline Buffer – A strip of shoreline planted to native grasses and flowers (restored) to help protect against shoreline erosion, filter harmful pollutants from stormwater runoff, and enhance fish, pollinators, and wildlife habitat.
- Rain Garden – A designed excavated basin (6-24 inches deep) with native grasses and flowers that will capture rain water runoff and infiltrate within 24-48 hours.







PLAN

INSTALL

GROW

*Steps for implementing a shoreline buffer*





**BEFORE (2013)**



**YEAR ONE**



**2016**



## **Jackie & Lanny Hendrickson on Wall Lake**

- Native buffer and rain garden





# CINDY AND DARWIN HENDRICKSON

- Lake Seven
- Installed a native buffer in 2011, expanded in 2013







"A picture is worth a thousand words..."



Wayne Enger – Big Pine Lake; Installed 2015



# RAIN GARDENS





# LAKESCAPING VS LANDSCAPING

## ▪ LAKESCAPING

- First, assess the growing environment
- Then select plants that grow in those conditions
- Use native plants!
  - Thrive in specific soils, moisture, and light conditions
  - Do not require supplemental water, fertilizer, topsoil, changing the soil PH level, or excessive maintenance

## ▪ LANDSCAPING

- First selects a plant for color, fragrance, or characteristics
- Then alters the growing environment
  - May need fertilizer, supplemental water, soil amendment...



# Natives vs Lawn Grass





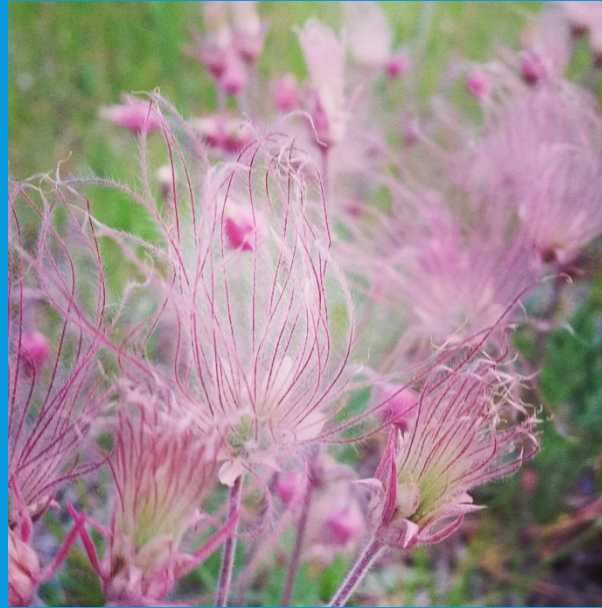
# DECREASED MOWING TIME = MORE LAKE TIME!





# DRY AND SANDY

Prairie Smoke



Blanket Flower



© 2008 k. chayka

Rough Blazing Star

Longheaded Coneflower



Red Columbine



Prairie Onion



Purple Prairie Clover



Cardinal Flower



# WET AND MUCKY



Monkey Flower



Turtlehead



Swamp Milkweed



Sedges



Blue Flag Iris



# Clay

New England Aster



Butterfly Weed



Ohio Spiderwort



Wild Bergamot



Blue Vervain



Purple Coneflower



Black-Eyed Susan



Early Sunflower



# Wet and Sandy



Wild Mint



Bottle Gentian



Anise Hyssop



Heart-leaved Alexander



Yellow Coneflower



Blue Vervain



# UNIQUE PLANTS



Prairie Smoke



Obedient Plant



Jack-in-the-Pulpit



Spotted Bee Balm



Columbine



Compass Plant



Anise Hyssop



Wild Bergamot



Fowl Manna Grass



Prairie Dropseed

# SHOWY GRASSES

Blue Grama



Sedges

Big Bluestem



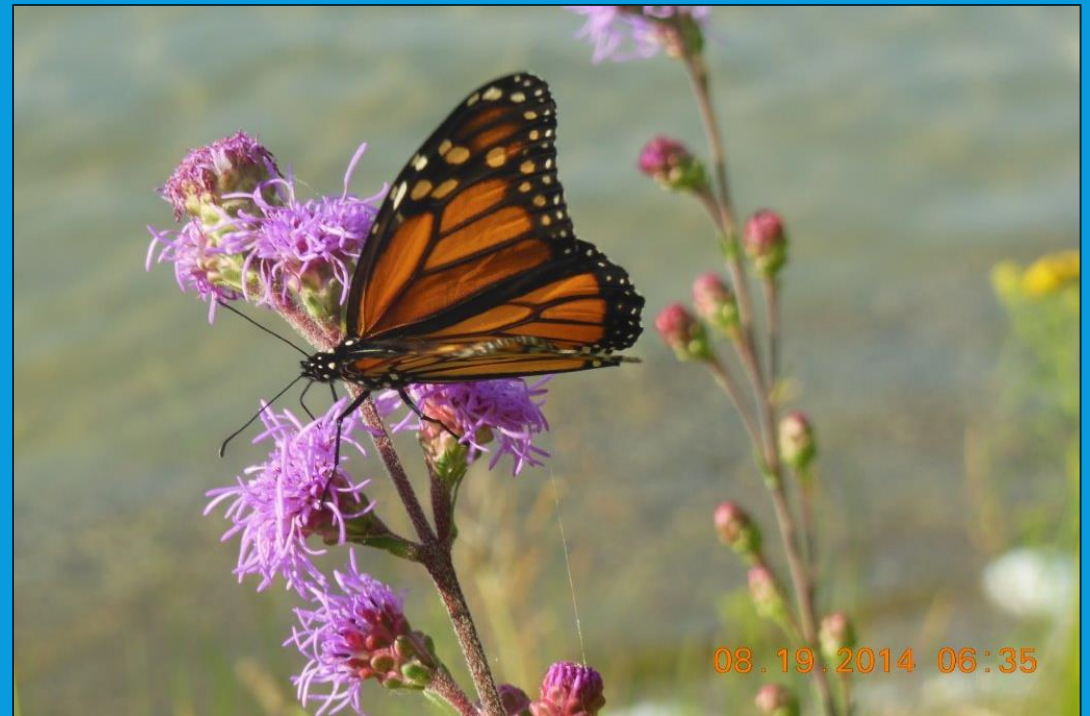
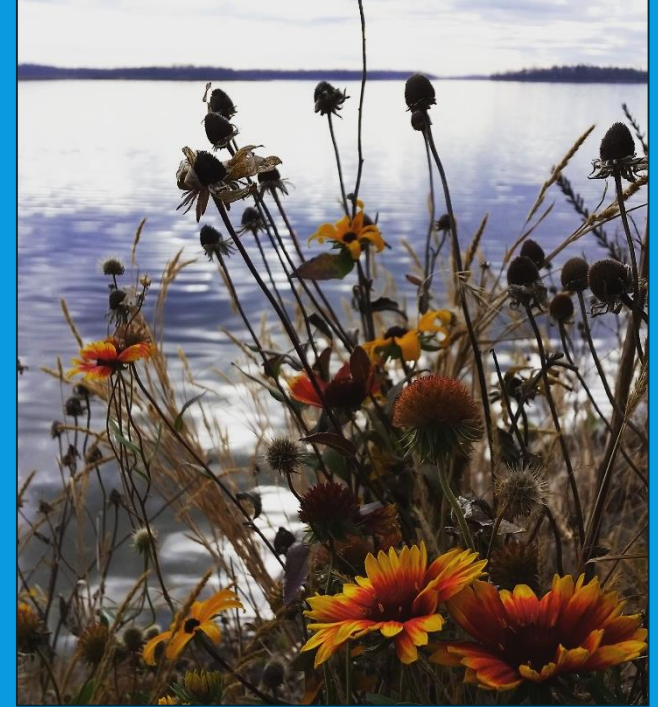
Side-Oats Grama





# WHERE TO GET NATIVE PLANTS

- Morning Sky Greenery - Morris
- Minnesota Native Landscapes - Otsego
- Prairie Moon Nursery - Winona
- Local Nurseries





# FINANCIAL ASSISTANCE

- State Cost Share
- Clean Water, Land, and Legacy Funds
- SWCD Local Capacity Funds
- County Cost Shares
- Local Funding (Lake Associations)





# TECHNICAL ASSISTANCE

- SWCD staff provide free technical assistance and consultation for all your shoreline restoration and erosion concerns





ANY QUESTIONS?



Meow?