Minnesota Wetland Protection and Restoration Programs

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Rep. Rick Hansen Minnesota House of Representatives (39A)

Governor's Executive Order 12-04

'Supporting and Strengthening the State's Wetland Policy'

Pressures

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- Mining: Ferrous, Copper-Nickel
- Agriculture: Ag Commodity prices = ag land value up 24% per year
- Road Expansion: Safety and Commerce

Potential Policy Adjustments

- Wetland Banking = better mitigation
- Federal delegation to State/Local for routine matters
- Turning temporary buffers (CRP) into permanent (RIM)



Governor's Executive Order 12-04

Agriculture: Ag land value up 24% per year Changing Hydrology on the Landscape?

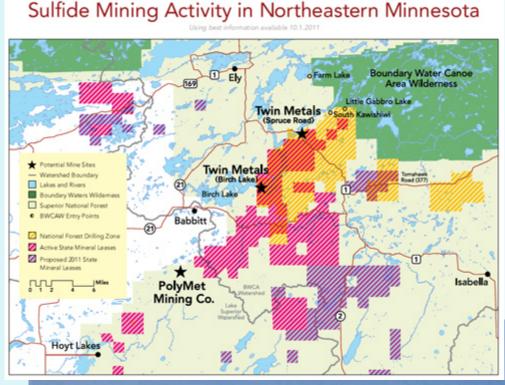


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Governor's Executive Order 12-04

Mining:

Copper-Nickel nearFerrous expandingFrac Sand boom







Restoration and Protection

<u>Restoration</u> Re-Invest in Minnesota (RIM) – 1986

Protection

Wetland Conservation Act (WCA) - 1991

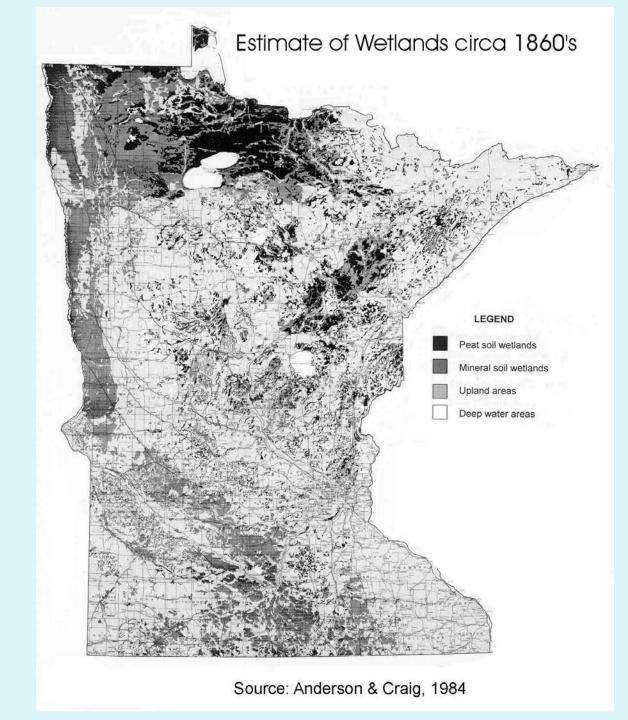
Local Government Implementation with State oversight/assistance *Board of Water and Soil Resources (BWSR)*

- Soil and Water Conservation Districts landowner contact
- Counties, Cities land use plans and zoning authority
- State Technical Evaluation/Engineering
- State Funding

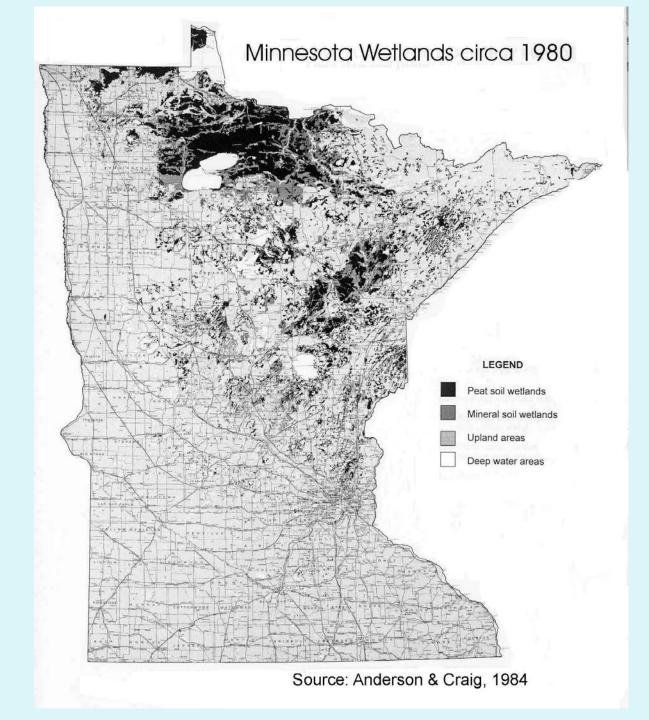
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- State easement
- State/local enforcement
- Alignment with Federal Programs
 - Corps of Engineers (Section 404 of Clean Water Act)
 - USDA 'Swampbuster' (Federal Farm Bill)



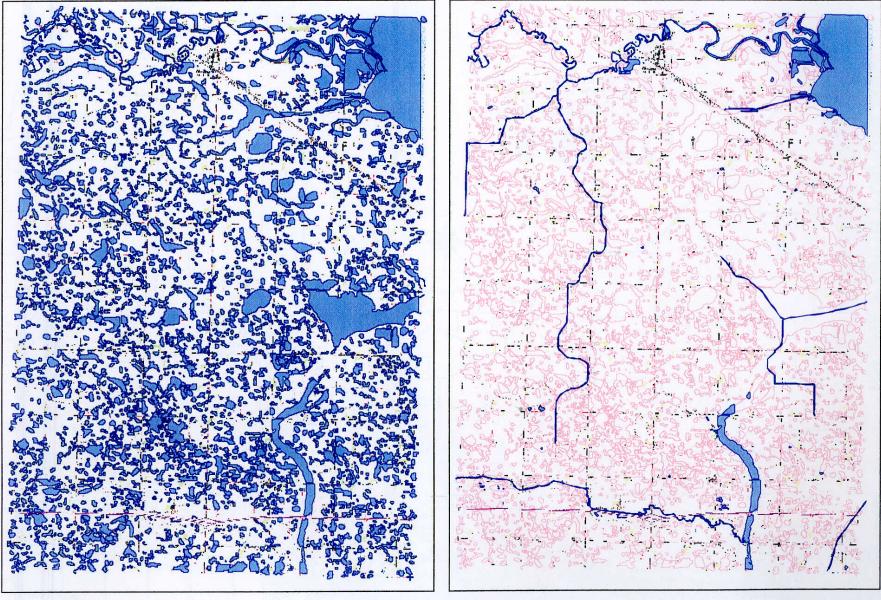


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150 Years of Wetland Drainage in Minnesota



Circa 1844

50 mi² of Jackson County

Circa 1994

Wetlands of Minnesota



Mississippi River Headwaters, Itasca State Park

Type 1 -Seasonally Flooded Basins

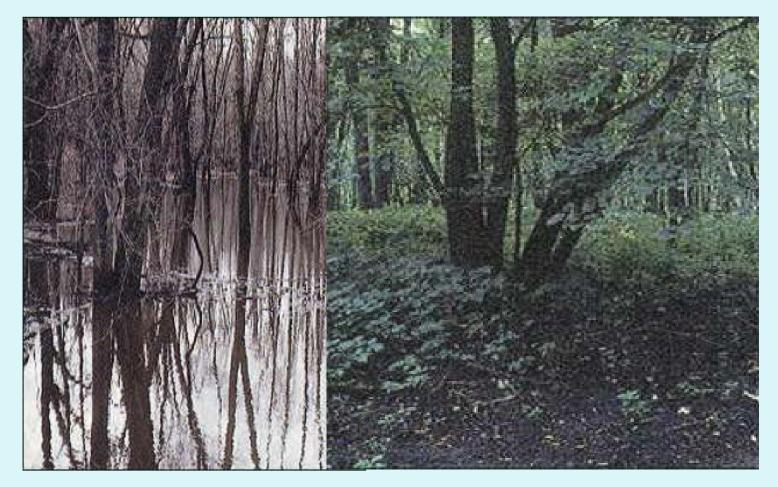


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Type 1 - Floodplain Forest

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Type 2 - Wet Meadow

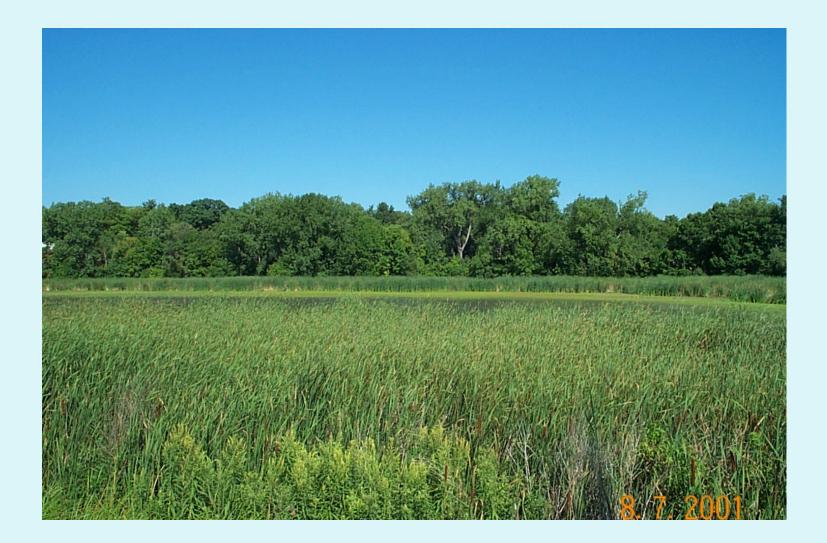


Type 2 - Sedge Meadow

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Type 3 - Shallow Marsh



Type 4 - Deep Marsh



Type 5 - Shallow Open Water

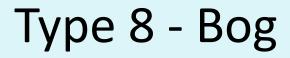


Type 6 - Shrub Carr



Type 7 - Hardwood Swamp





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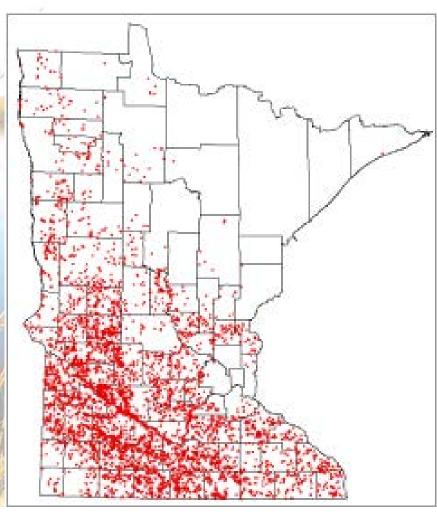




Minn. Stat. 103F.505 Reinvest in Minnesota Resources Law.

It is state policy to encourage the restoration of wetlands and riparian lands and promote the retirement of marginal, highly erodible land, particularly land adjacent to public waters, drainage systems, wetlands, and locally designated priority waters.

Reinvest in Minnesota (RIM)



5,500 easements over 218,000 acres

Reinvest in Minnesota (RIM)

Wetlands Reserve Program (WRP)

Partnership

✓ Annual sign-ups.

- ✓ \$1.6 federal leveraged for every \$1 state.
- ✓ Minnesota received almost 20% of the nation's WRP funds in 2008-10.

The premier private lands wetland restoration program in the nation

RIM-WRP Partnership

State



before.....



Minnesota Board of Water & Soil Resources

> BWSR SWCDs

Ducks Unlimited

after!



MN Waterfowl Association

Landowners!



before.....





RIM-WRP Partnership



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BEFORE



05-25-04







2008 Constitutional Amendment (Article 11 – Section 15): threeeighths of one percent sales tax for 25 years to supplement clean water, habitat, parks and trails and arts and culture projects.



Respect Private Property

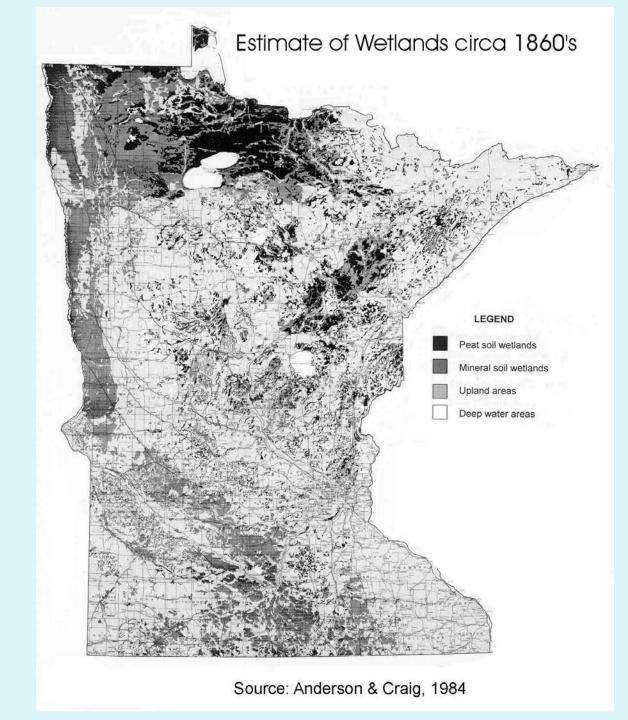
Conservation Easement

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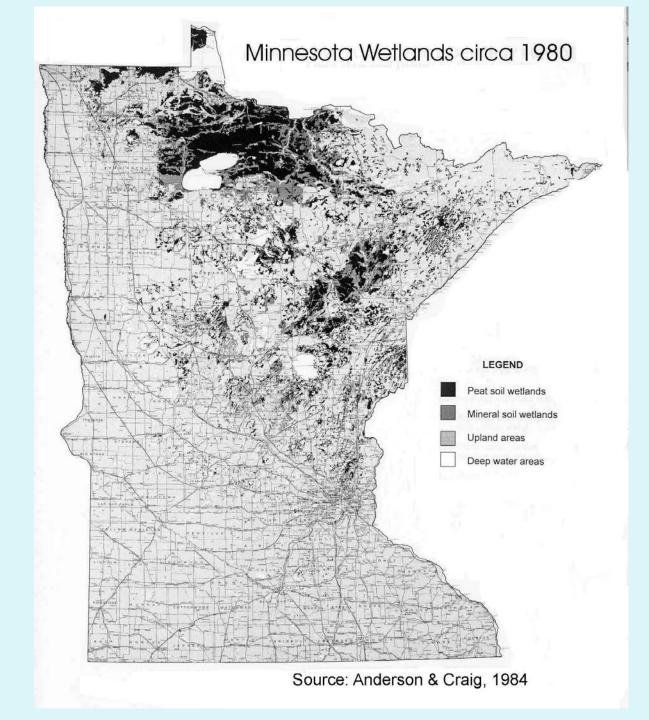


Minnesota Wetland Conservation Act ... The legislature (1991) finds that it is in the public interest to:

- Achieve <u>no net loss</u> in the *quantity, quality and* biological diversity of Minnesota's existing wetlands;
- <u>Increase</u> the quantity, quality and biological diversity of Minnesota's wetlands;
- <u>Avoid</u> direct or indirect impacts from activities that destroy or diminish the quantity, quality and biological diversity of wetlands; and
- <u>Replace</u> wetland values where avoidance is not feasible and prudent

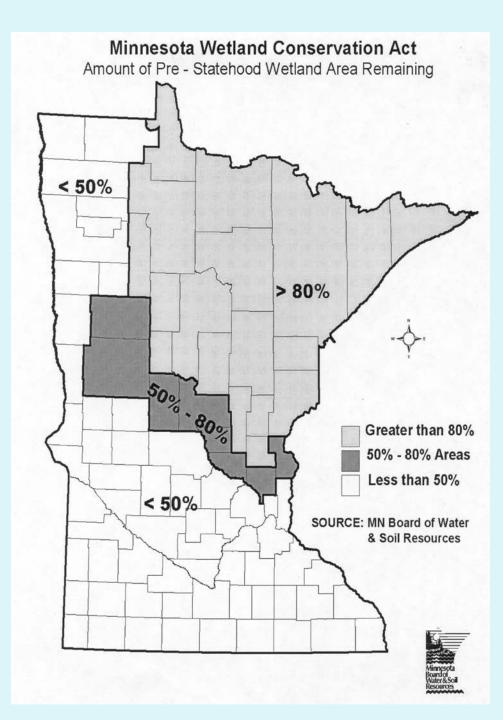


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Wetland Conservation Act-Laws and rules note regional differences



Minn. Stat. 103A.202 WETLAND POLICY.

The legislature finds that it is in the public interest to preserve the wetlands of the state to conserve surface waters, maintain and improve water quality, preserve wildlife habitat, reduce runoff, provide for floodwater retention, reduce stream sedimentation, contribute to improved subsurface moisture, enhance the natural beauty of the landscape, and promote comprehensive and total water management planning.

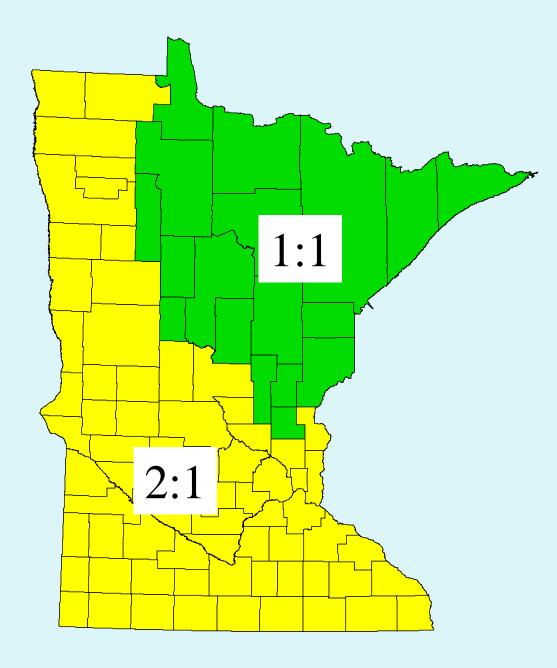
WCA - Sequencing

- Avoid direct or indirect impacts
- Minimize the impact
- Rectify the impact
- **Reduce** or eliminate the impact over time
- **Compensate** for the impact by replacement

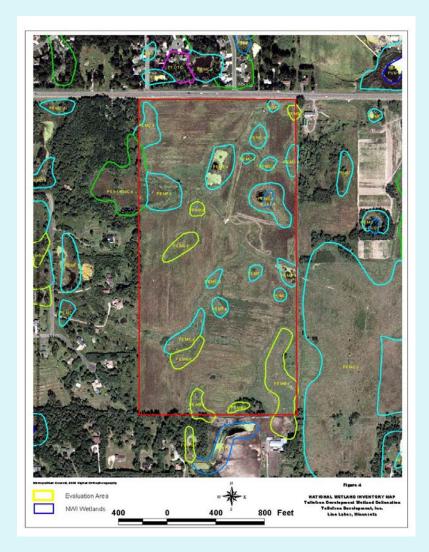
Minn. Stat. 103G.202 WETLAND REPLACEMENT

Wetlands must not be drained or filled, wholly or partially, unless replaced by restoring or creating wetland areas of at least equal public value under a replacement plan.

Wetland Replacement Ratios



National Wetlands Inventory Digital Map on aerial photo





Wetland Banking

- Wetland restored/created in advance of impact
- BWSR Administers state bank
- Cost-effective
- Higher quality sites with permanent easement
- MN has most wetland banking sites in USA

Issues: Declines in Wetland Quality - Sedimentation



Issues: Declines in Wetland Quality - Nutrients



Issues: Mississippi River/Lake Pepin Sedimentation Impairment



Dakota Habitat Alliance

Dakota County Soil and Water Conservation District 4100 220th St. W., Suite 102, Farmington, MN 55124 651-480-7777 or www.dakotacwcd.org

The Dakota County Soil and Water Conservation District (SWCD) organized the Dakota Habitat Alliance (DHA) to bring together local fish and wildlife organizations and others responsible for managing natural resources or water quality. The goal of the DHA is to cooperatively advocate, establish, and maintain wildlife habitat and natural resources. The SWCD works to facilitate communication among the members, prioritize local projects, and provide education and outreach





DHA accomplishments include restoring a 210-acre prairie adjacent to the South Branch Vermillion River in Castle Rock Township (above left and lower left), maintaining existing wildlife habitat structures (below right), purchasing equipment such as tree planters or native prairie seed drills (above right), and supporting a 5th grade outdoor education event. The DHA actively seeks opportunities to leverage funds for improving fish and wildlife habitat while furthering local water **quality goals**.







Members:

Dakota Ringnecks Chapter - Pheasants Forever

Mississippi Longtails Chapter -Pheasants Forever

Dakota Great Swamp Chapter - Minnesota Waterfowl Association

Southern Dakota County Sportsmen's Club

Twin Cities Chapter Trout Unlimited

Spiral Spurs Chapter National Wild Turkey Federation

Dakota County

Vermillion River Watershed Joint Powers Organization

Minnesota Department of Natural Resources

University of Minnesota

Cannon River Watershed Partnership

Friends of the Mississippi River

Minnesota Department of Transportation

Information and Contacts

www.bwsr.state.mn.us

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Thank you!