



Department of Natural Resources

Division of Waters

FY 2010-11 Biennial Budget

Environment, Energy, and Natural Resources Budget Division

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February 17, 2009



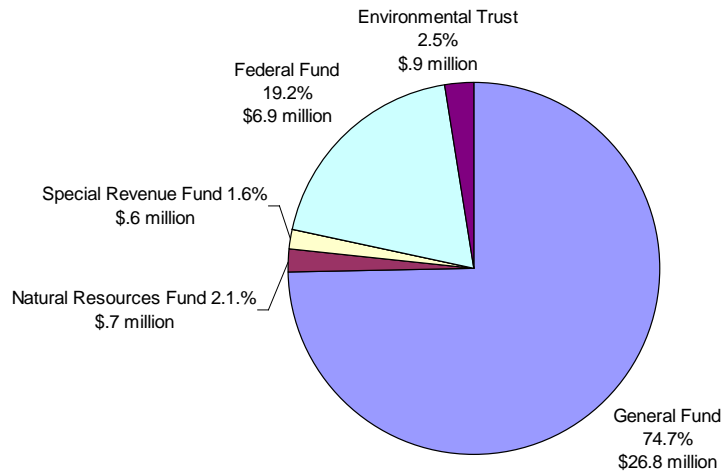
Presentation Outline

- Waters – Budget and Critical Trends
- Strategic Objectives
- Priority Outcomes, Measures, and FY 2010-11 Change Items



DNR Waters

FY2008-09 Waters Budgeted Expenditures
\$35.9 million

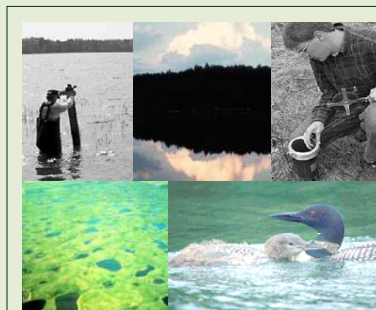


DNR Waters

- *DNR Serves* -

Mission of DNR Waters:
“Helping People Ensure the Future of Our Water Resources”

- Provide information, stewardship education, and technical assistance to state and federal agencies, local governments, planning commissions, consultants, teachers, and the public
- Provide grants, training, and technical assistance to local government
- Regulate certain activities of land owners, dam owners, water users



Local Units of Government Served:

- 447 cities
- 87 counties

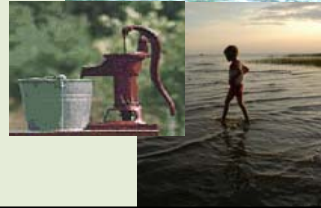


Water

- Minnesota's Most Valuable Resource -

Water is the most challenging resource issue facing the state for the next 50 years.

- Water is a key economic driver for Minnesota's growth and development.
- Inadequate information limits our understanding of Minnesota's water resources and leads to increasing conflicts and can jeopardize sustainable economic and community development.



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- Strategic Objectives -

Protect the health of the state's wetlands, lakes, rivers, and ground water resources through:

- Public Waters Protection
- Water Supply Management
- Hydrologic Information for Decision-making



- 11,842 lakes
- 69,000 miles of rivers and streams
- Nearly 10 million acres of wetlands



DNR Waters

Strategic Objective 1: Public Waters Protection

Protect, enhance, and restore the state's waters and watersheds by regulating activities through permitting, land use controls, and grant programs

Supporting Programs

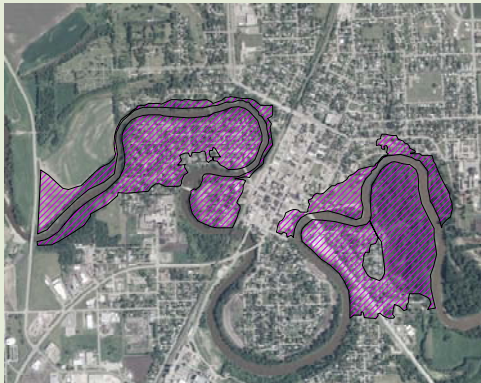
- Floodplains and flood mitigation
- Shoreland management
- Outreach and education programs
- Public waters permits
- Coastal zone management



DNR Waters

- Priority Outcomes and Measures -

Flood hazard mitigation: Protect communities from repetitive flood damage



Crookston neighborhoods

Homes at Risk	
Sampson's	233
Jerome's	162
Chase/Loring	41
Riverside	11
Ash Street	14
Total	451

Shaded purple areas are neighborhoods at significant risk from flooding. The City of Crookston is developing a project to protect these neighborhoods.



DNR Waters

- *Change Item* -
- *General Fund Reduction* -
(\$640,000)

- Mississippi Headwaters Board (\$65,000) and Leech Lake Band State Grants (\$5,000)

Local governments will fully fund their review of local land use decisions

- Red River Mediation Agreement (\$70,000)

Returns funding for this work to pre-FY08 level of \$210,000

- Shoreland rulemaking (\$500,000)

Draft rule by June 2009, formal rule hearing process may take longer to complete



DNR Waters

Strategic Objective 2: Water Supply Management

Ensure adequate sources of water are available for both current and future generations by managing the state's water supply

Supporting Programs

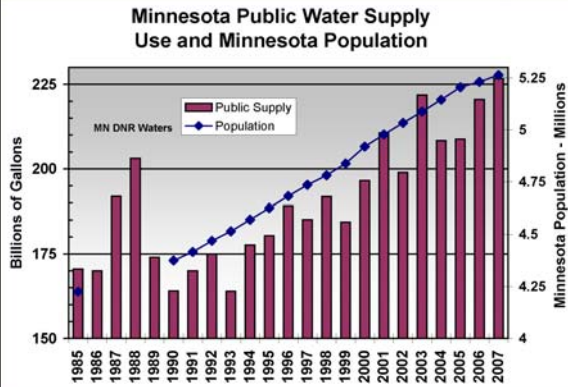
- Water appropriation permitting
- Public water supply planning
- Water use reporting
- Underground gas storage





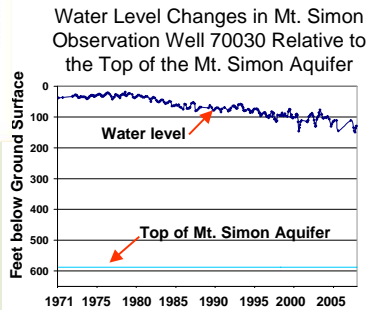
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Critical Trend – Water Use



Left: Graph illustrates how water use is increasing over time. The early peaks in water use (1987-1988) occurred during a period of drought. Today, we are regularly exceeding those peaks in water use.

Right: Hydrograph illustrates the seasonal response of water levels for the Mt. Simon/Hinckley aquifer in Savage to water use – and general decline in water level of this aquifer over time.



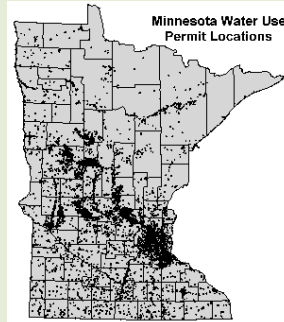
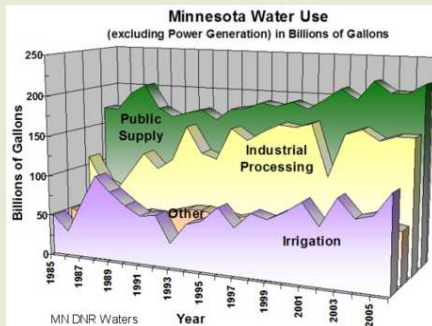
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- Change Item -

- Water Permit Application Costs -
 (\$20,000 FY 2010; \$10,000 FY 2011)

Outcomes

- Directly recover costs for environmental review, permitting, field inspections and monitoring of large water use projects.





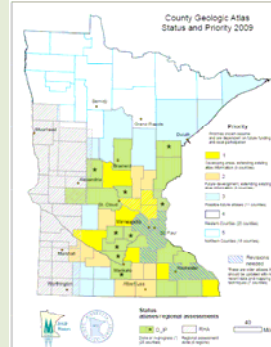
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Strategic Objective 3: Hydrologic Information for Decision-making

Provide technical services to support effective decision-making for state and local government

Supporting Programs

- Technical surface and ground water studies
- County geologic atlas program
- Regional hydrogeologic assessments
- Lake level monitoring
- Ground water monitoring network (observation wells)
- Surveying
- Climatology
- Stream-flow monitoring
- Environmental review



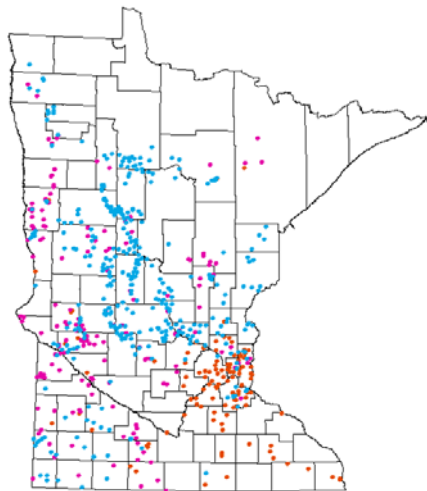
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- Priority Outcomes and Measures -

Observation well locations

MN DNR Observation Well Locations
All Wells
2008

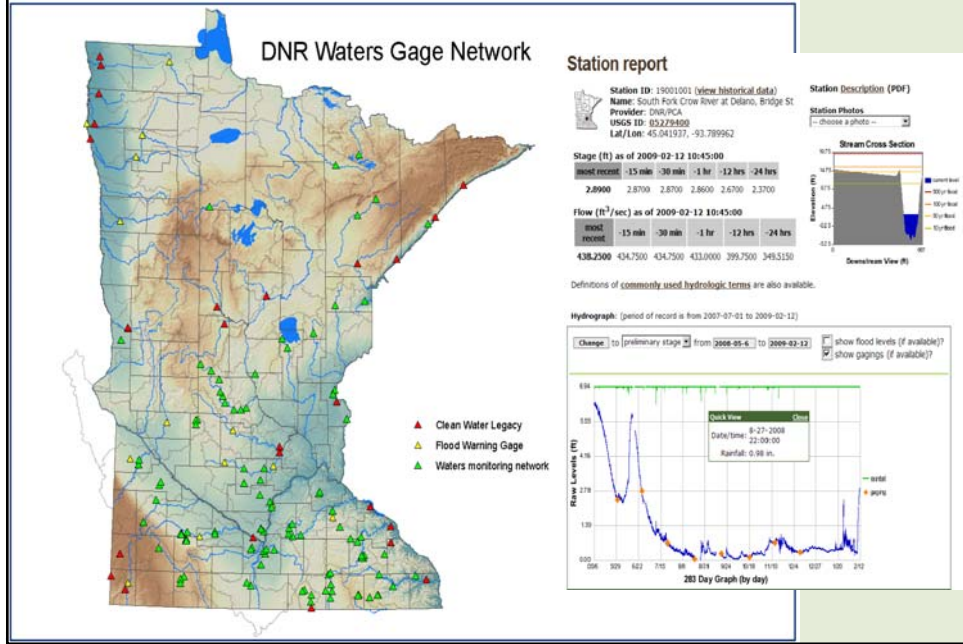
All wells
 Bedrock wells
 Buried drift wells
 Water table wells



- Two-thirds of the public water supply comes from ground water sources.
- The data gathered through ground water level monitoring is critical in determining trends for aquifer sustainability.
- Informed management and collaboration are needed to plan effectively for current and future needs.



DNR Waters



DNR Waters

- Change Item -

Clean Water Fund - Clean Water Legacy (\$1.050 million FY 2010; \$1.665 million FY 2011)

Outcomes

- Total Maximum Daily Load (TMDL) planning and development
 - Technical assistance and implementation (0/400K)
- Water quality assessments and monitoring (935K/1.15M)
 - Hydrology, stream flow gaging, watershed delineation
- Restoration and protection of critical shorelands (115K/115K)
 - Shoreland stewardship and management tools





DNR Waters

- Change Item -

Clean Water Fund

- *Drinking Water Source Planning and Protection* -
(\$375,000 FY 2010; \$750,000 FY2011)

Outcomes

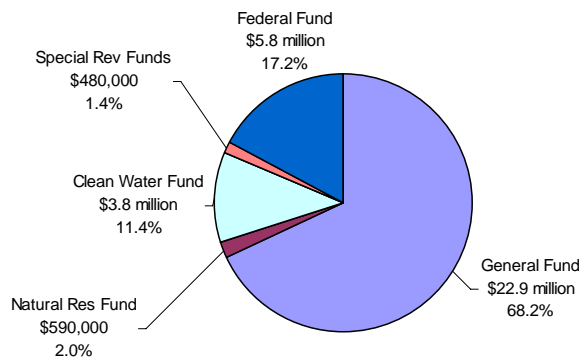
Protect the state's public drinking water supplies through water supply planning, water level monitoring, and aquifer protection:

- Identify areas with potential water supply issues
- Work with local units of government to develop plans that address issues of concern and allow for future growth
- Develop monitoring networks specific to the protection of drinking water supplies



DNR Waters

FY 2010-11 Governor's Recommendation Waters \$33.5 million





DNR Waters

Waters	General Fund	Other Funds	Total
Current Spending	24,124	6,814	30,938
Governor's Initiatives:			
General Fund Reduction	(1,280)		(1,280)
Clean Water Legacy		2,715	2,715
Clean Water Fund - Drinking Water		1,125	1,125
Water Permit - EAW Cost Recovery		30	30
Total Governor's Initiatives:	(1,280)	3,870	2,590
Waters	22,844	10,684	33,528

