

Accelerating Nutrient Reduction in Minnesota



Katrina Kessler | MPCA Commissioner

Hypoxia Task Force Public Meeting | December 6, 2023



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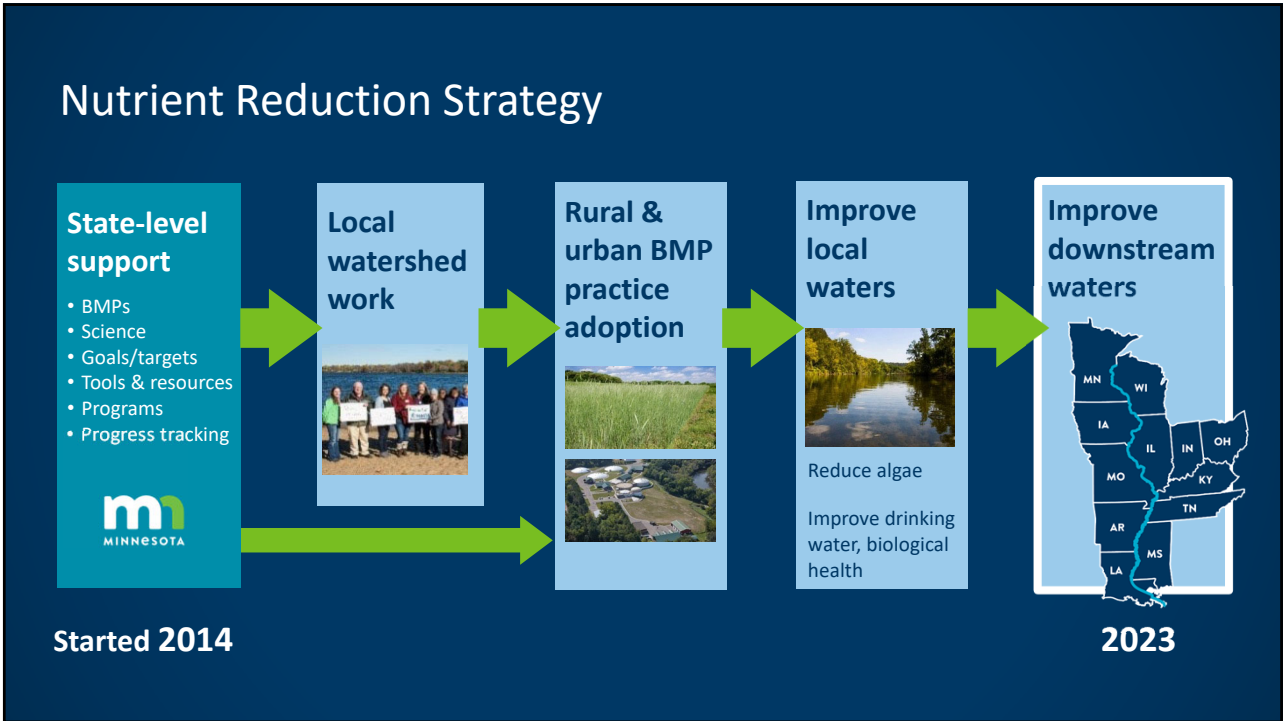
Collaboration with 11 tribes



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Large, medium & small scale

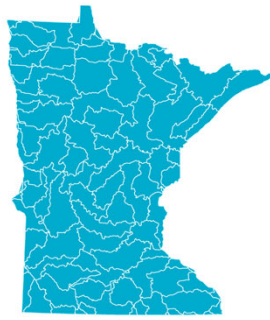
Large basins



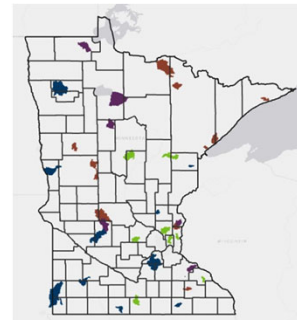
Minnesota's
watershed approach



Small watersheds –
319 funds



HUC 8 watershed-scale



35 Small-scale projects

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Progress

2016:
8 of 80 watersheds

2023:
80 of 80 watersheds

100%
of watersheds
completed



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Minnesota Agricultural Water Quality Certification Program



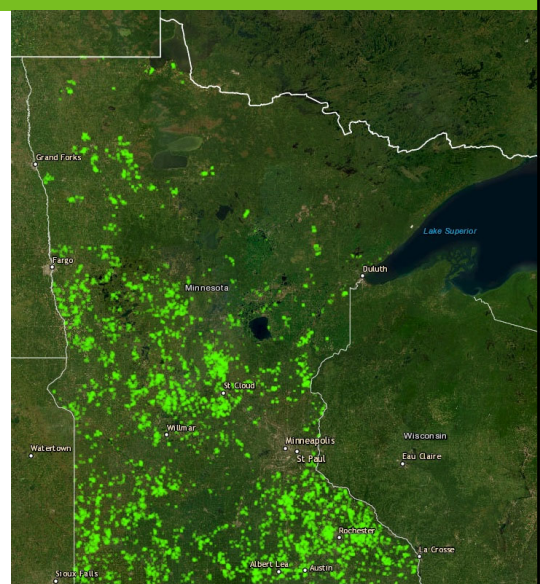
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Progress

Minnesota Agricultural Water Quality Certification Program

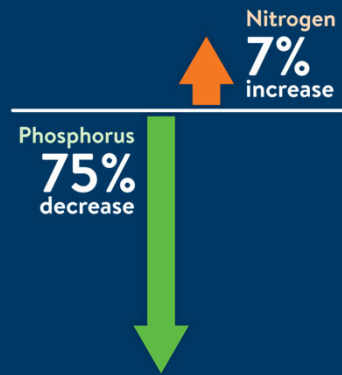
1 million + acres

October 27, 2023



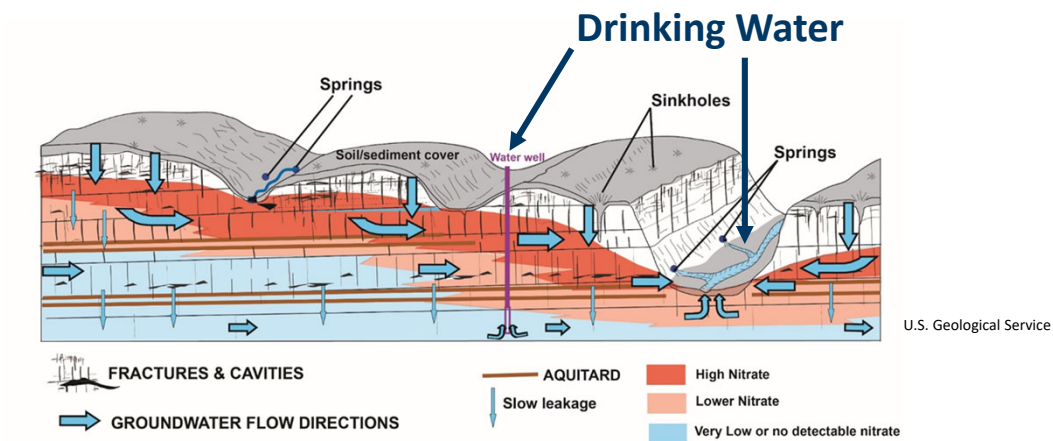
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Reduce wastewater nitrogen



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Groundwater nitrate

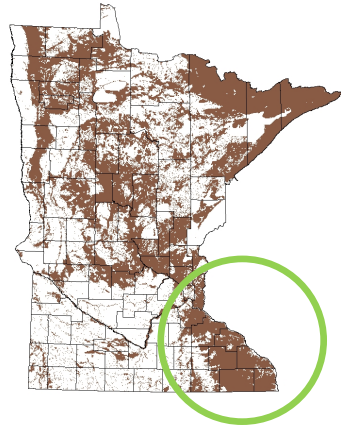


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Addressing nitrate in groundwater



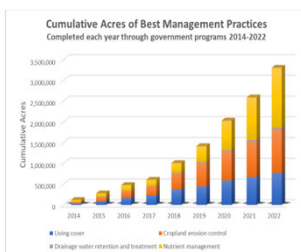
Minnesota's Vulnerable Groundwater Areas



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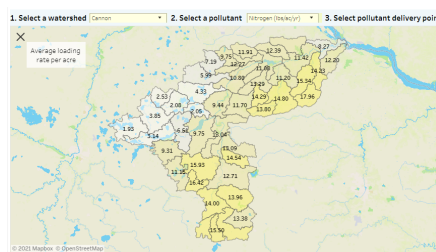
Progress tracking tools

Best Management Practices



Lands adding BMPs

Watershed nutrient loads



Modeling BMP effects

Sampling the rivers

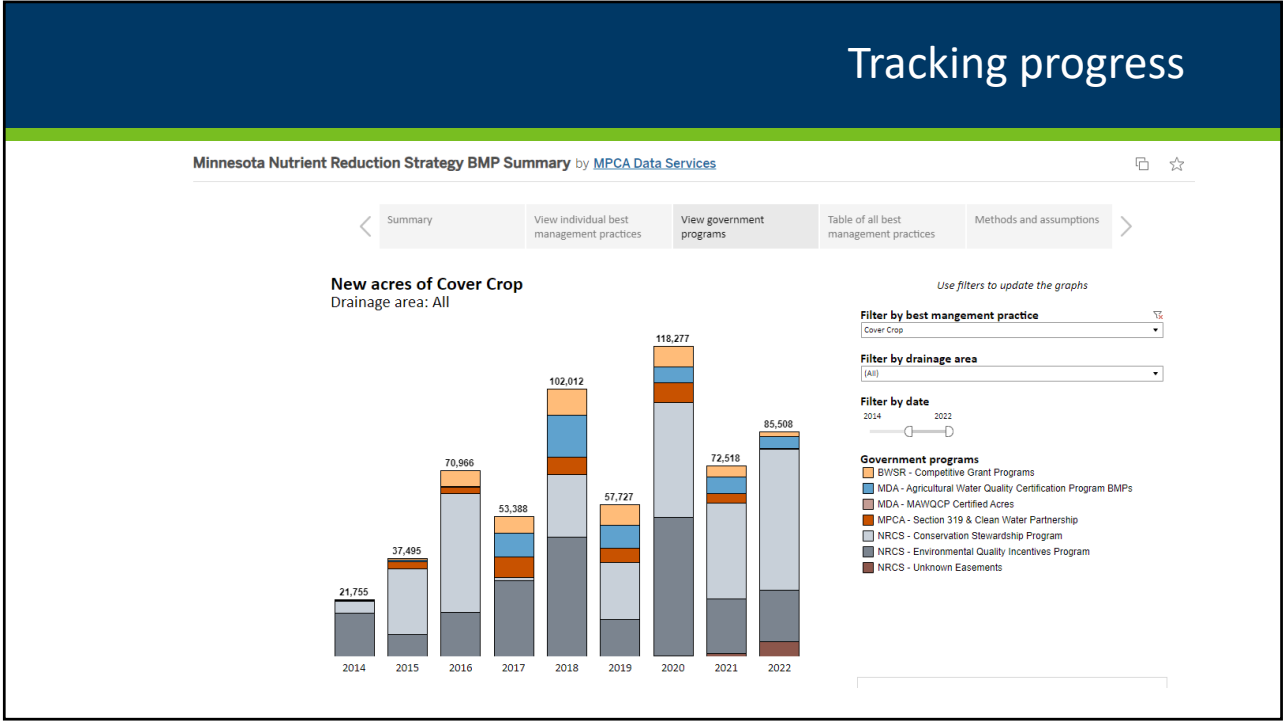


Measuring nutrients

<https://www.pca.state.mn.us/air-water-land-climate/reducing-nutrients-in-waters>

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Tracking progress



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Minnesota's Climate Action Framework

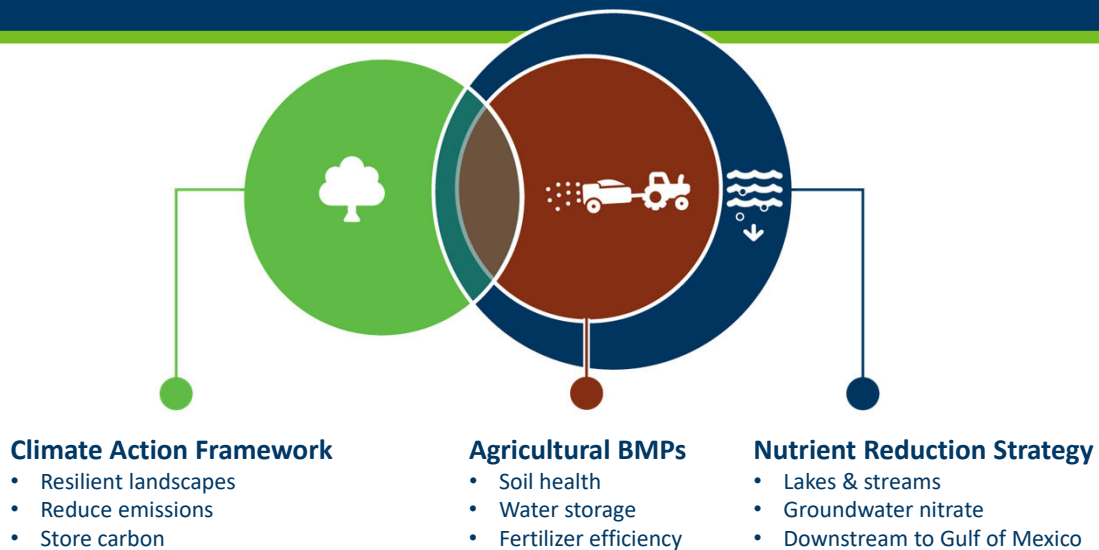
September 2022



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Accelerating progress



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Minnesota legislature additional funding 2023 (partial)

- + \$29 million increase for soil health practices
- + \$17 million increase for water storage practices
- + \$36 million increase for implementing the watershed approach



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Thank you!

Katrina Kessler, MPCA Commissioner

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