Minnesota's Nutrient Reduction Strategy



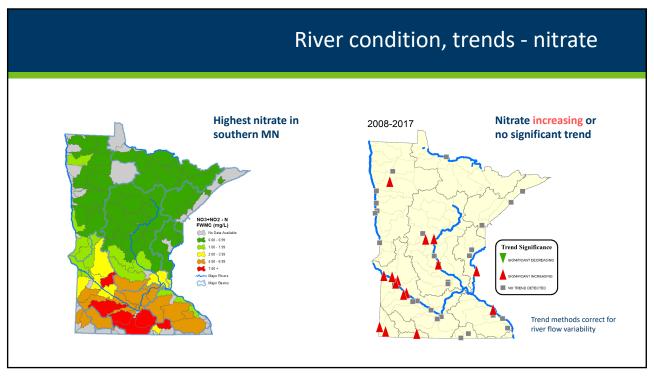
Tracking progress toward milestone goals

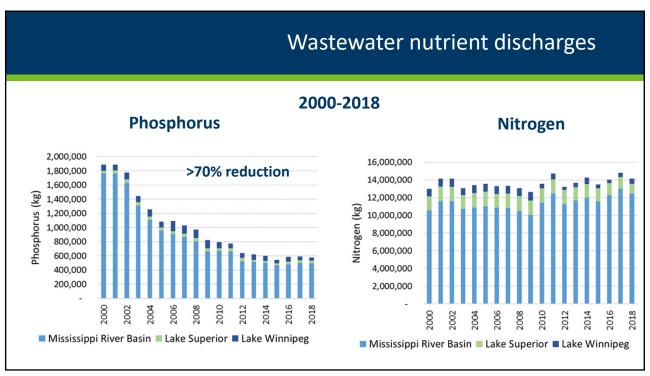
Katrina Kessler, P.E. | Assistant Commissioner

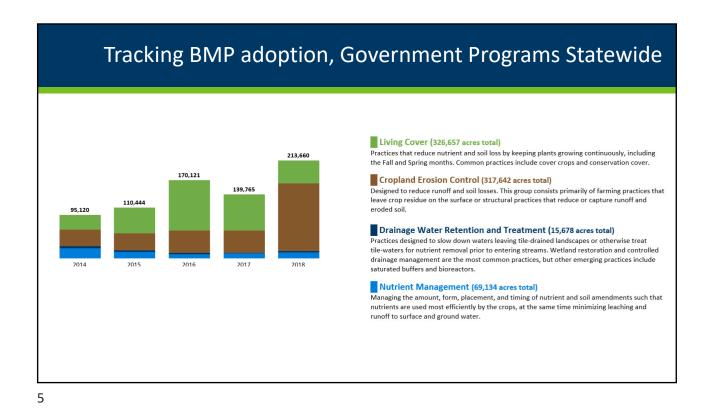


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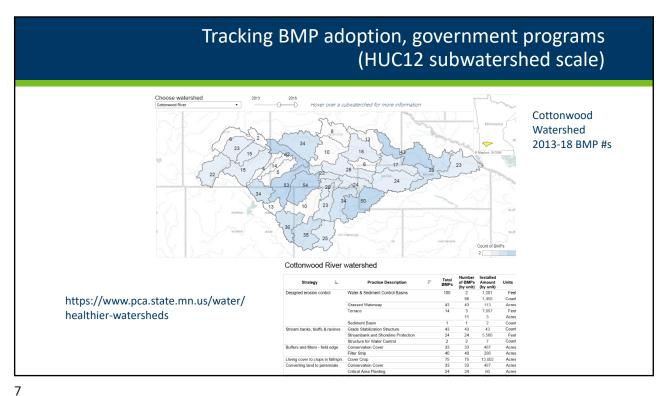
Highest phosphorus in west & south Trews (mpt.) Trews (mpt.) Trews (mpt.) Trend Significant trend Trend Significant Trend methods correct for river flow variability

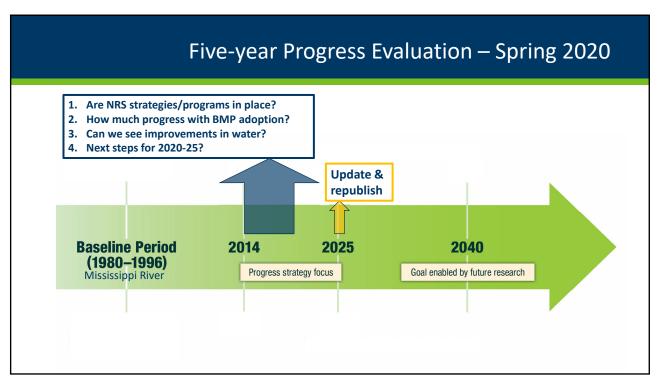






Tracking BMP adoption, Government programs (HUC8 watershed scale) BMPs Installed 2004-2018 Tillage/residue management 11.382 Designed erosion control & trapping 10,236 Nutrient management (cropland) 9,992 Septic System Improvements 7.874 Converting land to perennials 7.696 Open tile inlet & side inlet improvements 7,136 Stream banks, bluffs & ravines protected/restored 6.073 Buffers and filters - field edge 5,348 Add living cover to annual crops in fall/spring 4,508 Habitat & stream connectivity management 4 026 3,087 Drainage ditch modifications 2,715 Agricultural tile drainage water treatment/storage 1.184 Urban Stormwater Runoff Control Changing rotations to less erosive crops Feedlot runoff controls 173 Forestry Management 138 Wetland restoration/creation 104 In Lake Management Other 51,878 **Grand Total** 135,123





https://www.pca.state.mn.us/water/nutrient-reduction-strategy





Thank You!



9