

# WATERSHED MANAGEMENT PLAN AMENDMENT

Lower Minnesota River Watershed District

April 18, 2018

## OVERVIEW

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- 2. Legal Requirement/Authority/Process
- 3. Watershed Management Plan Amendment
  - 1. Plan Amendment Framework
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  - 3. Proposed Standards
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Linda Loomis, Administrator Naiad Consulting, LLC

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## WATERSHED DISTRICT PURPOSE

- To conserve the natural resources of the state by land use planning, flood control, and other conservation projects by using sound scientific principles for the protection of the public health and welfare and the provident use of the natural resources. (103D.201)
- to control or alleviate soil erosion and siltation of watercourses or water basins. (103D.201)
- to protect or enhance the water quality in watercourses or water basins. (103D.201)





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Legal Requirement/Authority/Process

John C. Kolb, Attorney Rinke Noonan Legal Counsel

## LEGAL REQUIREMENT

- A watershed management plan is required for watersheds comprising all minor watershed units wholly or partly within the metropolitan area. (103B.231)
- The managers must adopt a watershed management plan for any or all of the purposes for which a watershed district may be established. (103D.401)
- The managers and the board must revise the watershed management plan for the watershed district at least once every ten years after the original watershed management plan is approved. (103D.405)

## LEGAL AUTHORITY

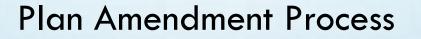
- After the watershed plan is approved and adopted, or amended, the local government units having land use planning and regulatory responsibility for territory within the watershed shall prepare a local water management plan, capital improvement program, and official controls as necessary to bring local water management into conformance with the watershed plan. (103B.235)
- The plan shall include standards and schedules for amending the comprehensive plans and official controls of local government units in the watershed to bring about conformance with the watershed plan. (103B.231)

## LEGAL PROCESS

- Upon completion of the plan but before final adoption by the organization, the organization must submit the draft plan for a 60-day review and comment period to all counties, the Metropolitan Council, the state review agencies, the Board of Water and Soil Resources, soil and water conservation districts, towns, and statutory and home rule charter cities having territory within the watershed. (103B.231)
- The watershed management organization must respond in writing to any concerns expressed by the review agencies at least ten days before the public hearing. (103B.231)
- The watershed management organization must hold a public hearing on the draft plan no sooner than 14 days after the 60-day review period of the draft plan. (103B.231)

## LEGAL PROCESS

- After completion of local review, the draft plan, any amendments thereto, all written comments received on the draft plan, a record of the public hearing, and a summary of changes incorporated as a result of the review process shall be submitted to the Metropolitan Council, the state review agencies, and the Board of Water and Soil Resources for final review. (103B.231)
- The board shall review the plan within 90 days of submittal. (103B.231)



## Della Schall Young, CPESC, PMP Young Environmental Consulting Group, LLC Planning and Technical Consultant

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## STANDARDS DEVELOPMENT APPROACH

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## **RESOURCE MANAGEMENT STRATEGY**

#### PRESERVE

MAINTAIN IN ITS EXISTING STATE

#### PROTECT

A FORMAL MEASURE INTENDED TO PRESERVE THE FUNCTION AND VALUE OF A RESOURCE

#### RESTORE

TO RETURN TO A FORMER CONDITION OR

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## EXISTING MUNICIPAL AND TOWNSHIP STANDARDS REVIEW

#### **Municipalities and Townships**

- Bloomington
- Burnsville
- Carver
- Chanhassen
- Chaska

- Eagan
- Eden Prairie
- Jackson Township
- Lilydale
- Louisville Township

#### **Standards Reviewed**

- Construction Erosion & Sediment Control Standard
- Stormwater Standard (Rate and Volume)
- Floodplain Standard
- Shoreline and Streambank Standard
- Bluff and Steep Slopes Standard

- Mendota
- Mendota Heights

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- Savage
- Shakopee

## Plan Amendment Process Summary

#### 2016

District held Informational Meetings with Municipalities to assess Standards Implementation

#### February & March 2017

Hosted 4 Technical Advisory Commission Meetings (Federal and State Agencies, Cities, Counties, and NGO)

#### April - July 2017

- Amended the Plan
- 60-Day Review Draft Plan Released

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Municipalities asked the District to modify its Plan to match their Comprehensive Plan/ Local Water Management planning schedule

O Fall 2016

Met with the cities of Bloomington, Carver, Chaska, Eden Prairie, Savage, and Shakopee, Carver and Scott Counties.

March & April 2017

## Plan Amendment Process Summary

#### **August 2017**

60-Day Review Draft Plan Comment Period Extended

#### October 2017

- Released Draft Response to comments
- Met with City of Bloomington and Scott County

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- Held and continued the Public Hearing

- Met with the cities of Eden Prairie and Bloomington

- Comment period closed on Sept. 20th

August & September 2017

## Plan Amendment Process Summary

#### December 2017

- Revised the Bluff Standard to Bluff and Steep Slope Standard

#### February 2018

- Hosted Informational Meetings in Bloomington, Eden Prairie(Chanhassen), and Burnsville

- Met with the Cities of Burnsville, Savage, and Carver, and the Minnesota Department of Natural Resources

#### April 2018

 City of Savage Informational Meeting (potential)

- Revised Comment/ Reponses Log

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- Public Hearing

- Hosted a meeting with the TAC and Reviewed Draft Bluff and Steep Slope Standard with TAC

- Released the Draft Statement of Need and Reasonableness (SONAR) report

January 2018

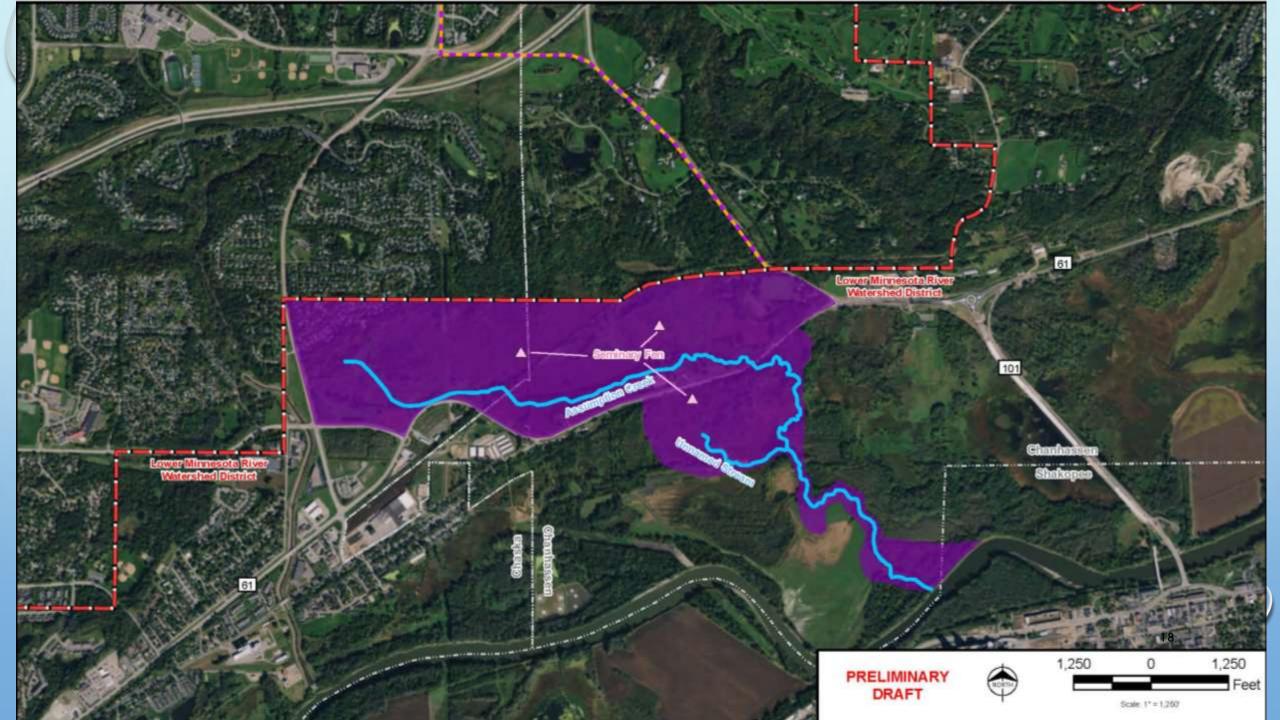
- Board of Managers Workshop

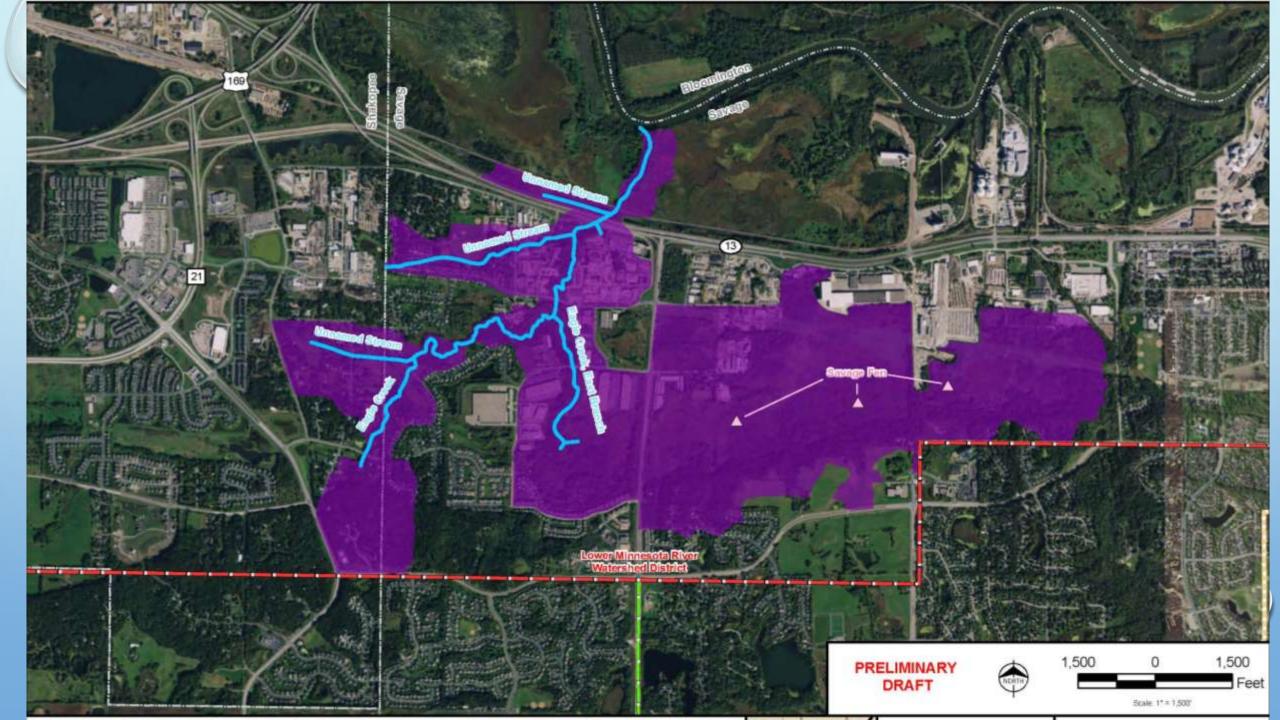
March 2018

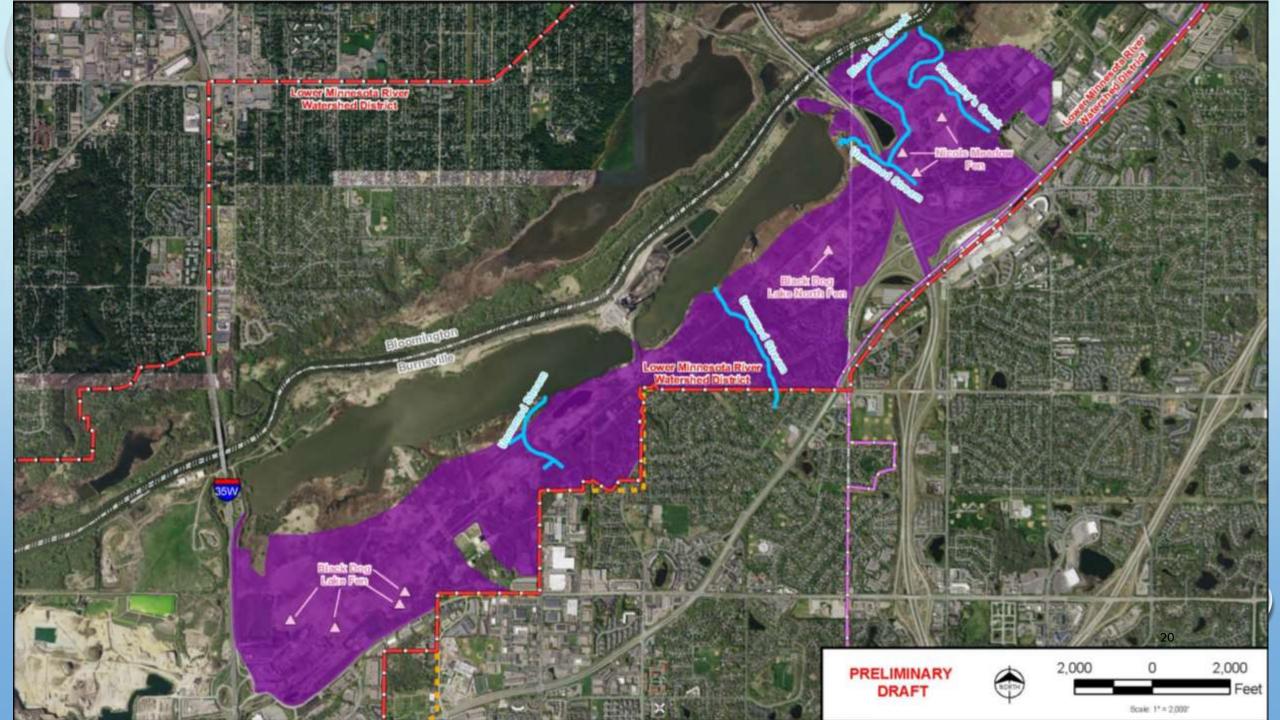


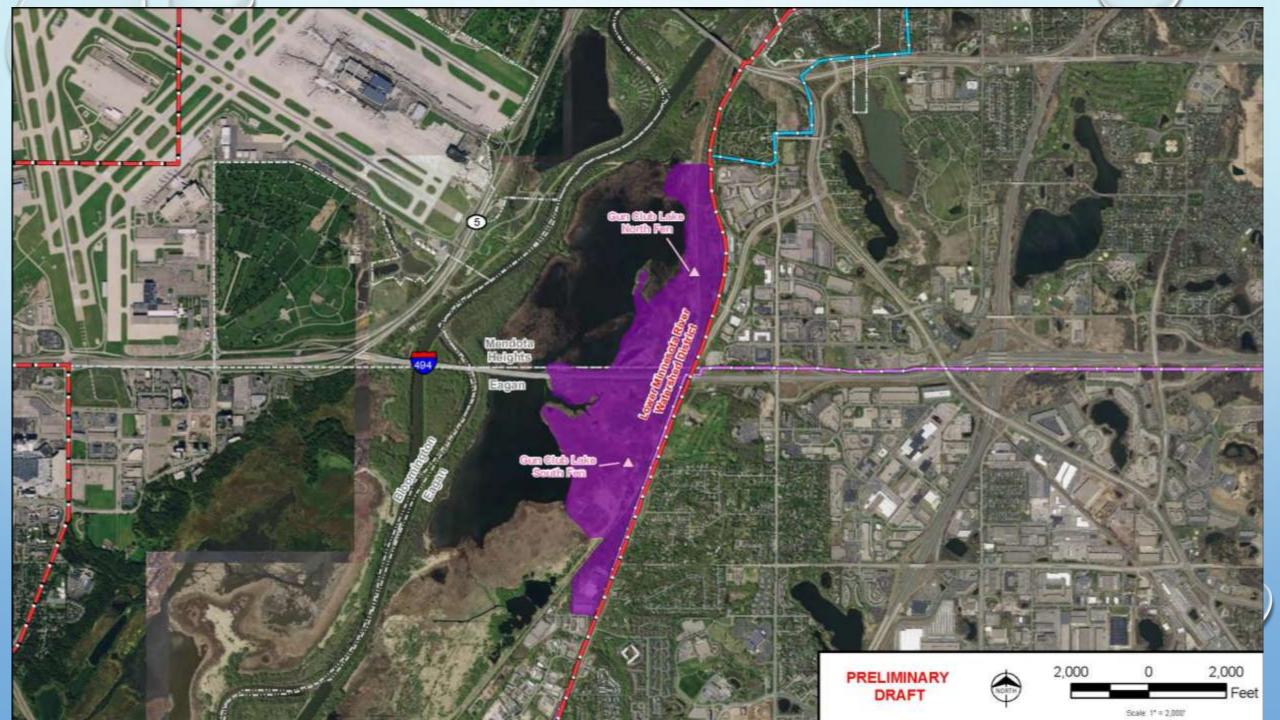
# High Value Resource Areas Fens, Trout Lakes and Trout Streams

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## Proposed Construction Erosion and Sediment Control Standard

#### High Value Resource Areas

- Triggers
  - 5,000sf or more
  - Grading, excavating, filling or storing of more than 50 cubic yards of soil or earth material.
- Standard
  - Erosion and Sediment Control Plan
  - SWPPP for site disturbing 1 acre or more
  - Maintenance and Inspection

## Proposed Stormwater Management Standard

High Resource Value Areas

Triggers

• Development, redevelopment, and drainage alterations (including roads) creating new impervious areas greater than 10,000 square feet (sq. ft.).

#### Standard

 Rate - meet existing conditions for the 2, 10 and 100-year 24 hour events using Atlas-14

## Proposed Stormwater Management Standard

High Resource Value Areas

Standard (Con't)

- Volume
  - 1.1 inches of runoff retained for new and re development projects
  - transportation projects shall capture and retain the larger of the following: 0.55 inches from new or reconstructed surface or 1.1 inches of runoff from the net increase in impervious area
- Water Quality
  - New Development shall have 60% annual removal of TP and 80% removal for TSS.
  - Redevelopment shall achieve a net decrease (on an average annual basis) of TP and TSS.

## **Proposed Water Appropriation Standard**

### High Resource Value Areas

- Trigger
  - Dewatering activities and Groundwater appropriations (less than and greater than 10,000 gallons per day and 1 million gallons per year)
- Standard
  - Demonstrate no net change in groundwater levels
  - Discharge Management Plan

## Proposed Floodplain and Drainage Alteration Standard

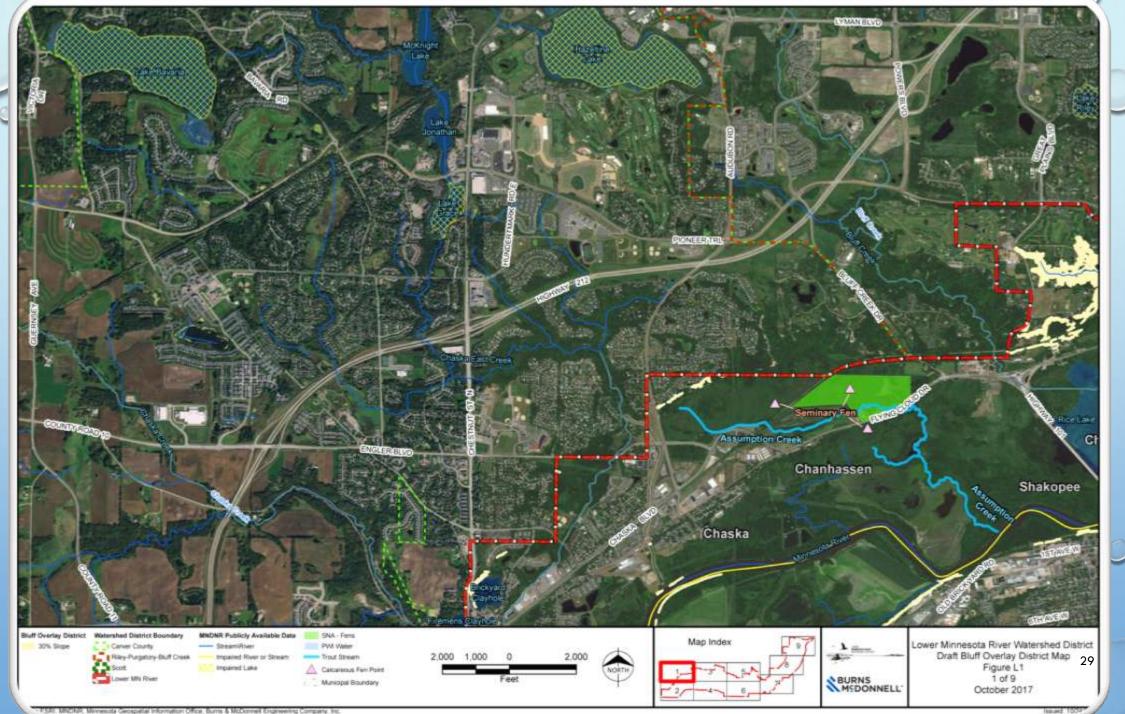
- Trigger
- Standard
- Regulates all waterbodies. Suggest modifying it to regulate all public waters, wetlands subject to the Wetland Conservation Act (WCA), and public drainage systems subject to the Minnesota buffer law.
- Regulates to the 100-year high water elevation. Suggest modifying it to regulate to the FEMA base flood elevation.

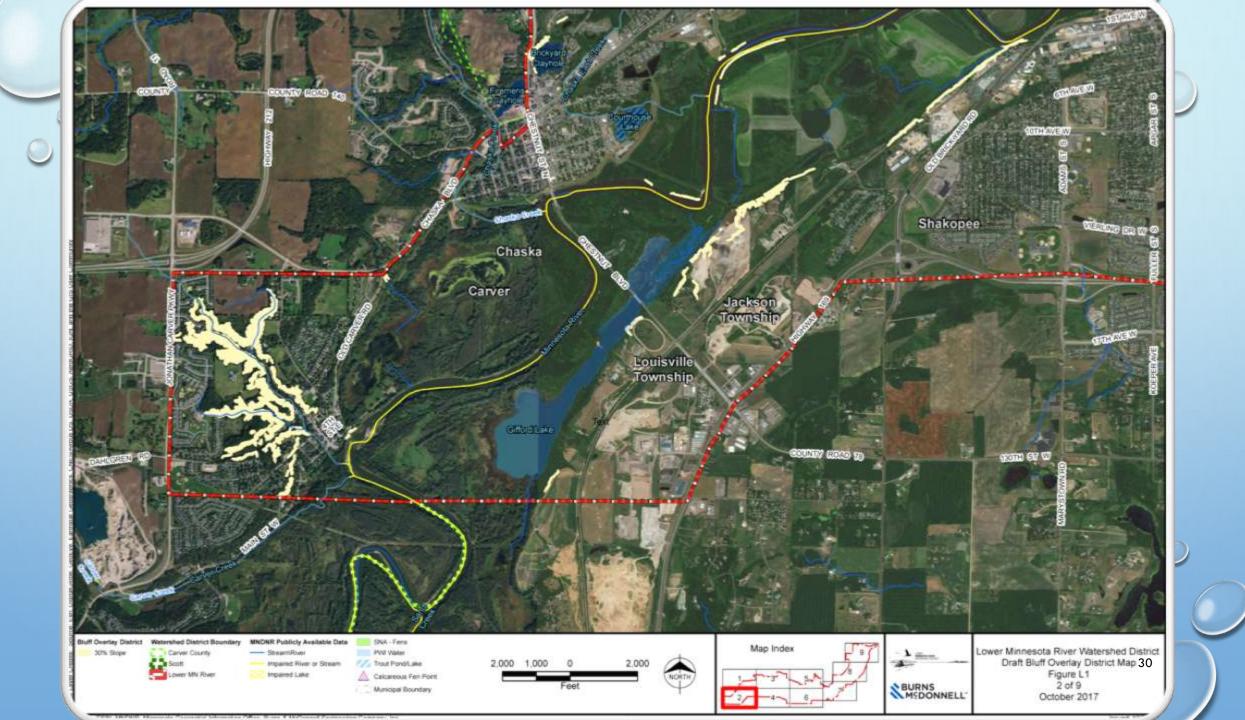
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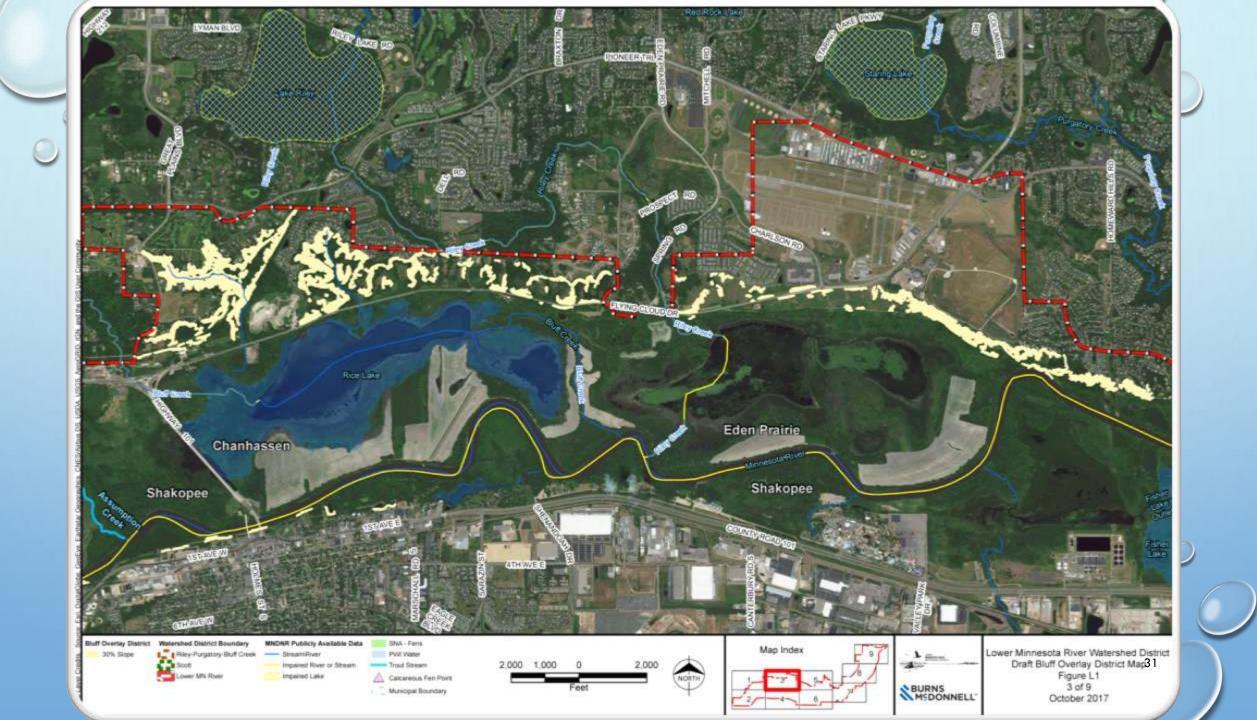
• 'No Rise' certificate for projects that places fill in the floodplain

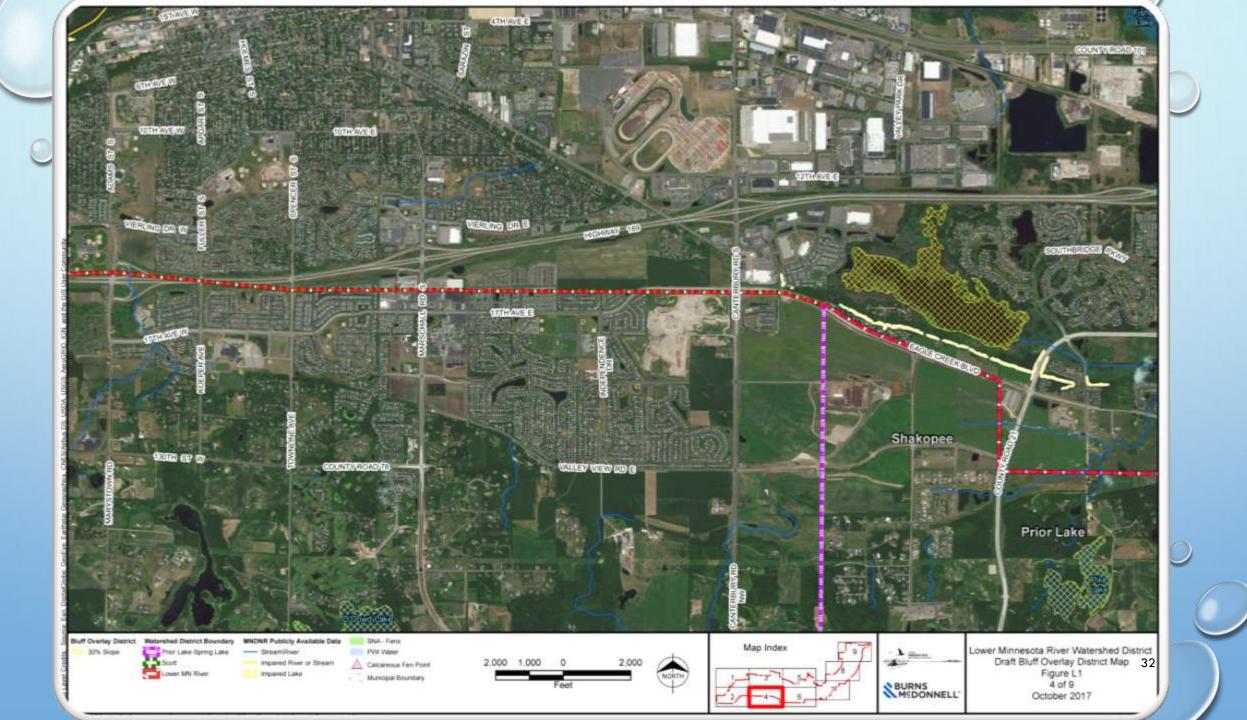


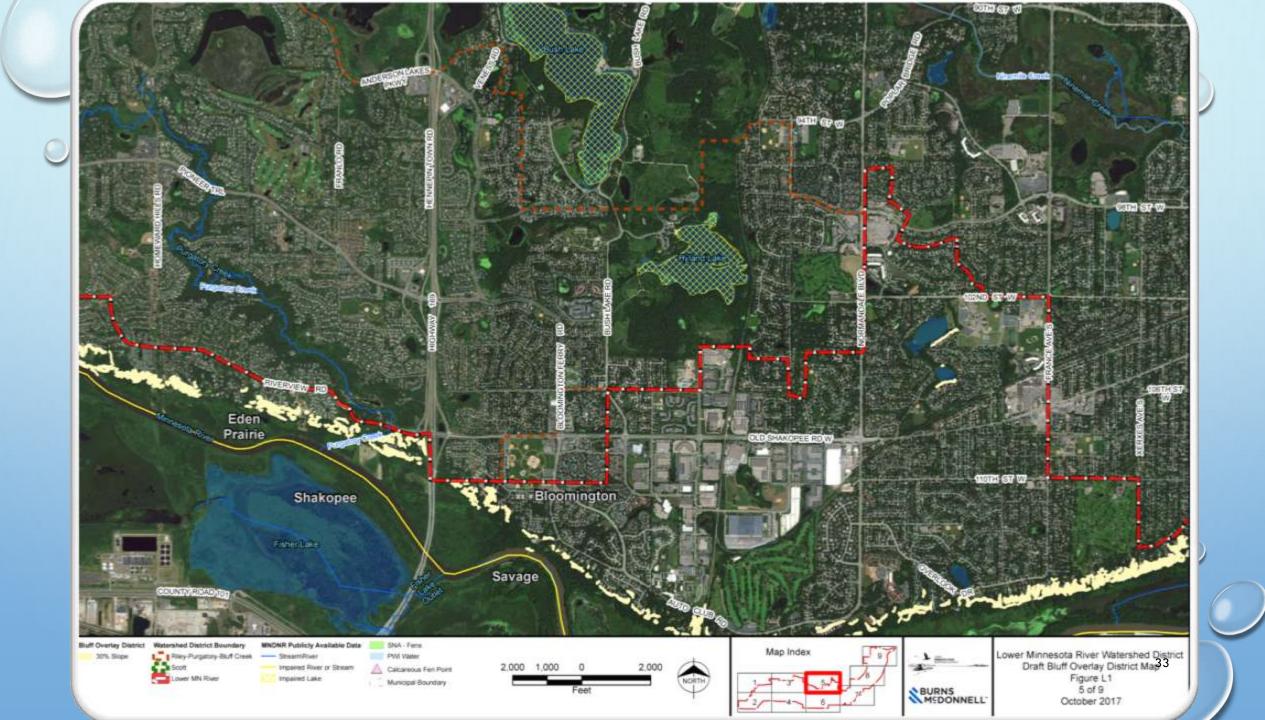
LMRWD Watershed Plan Amendment Slides





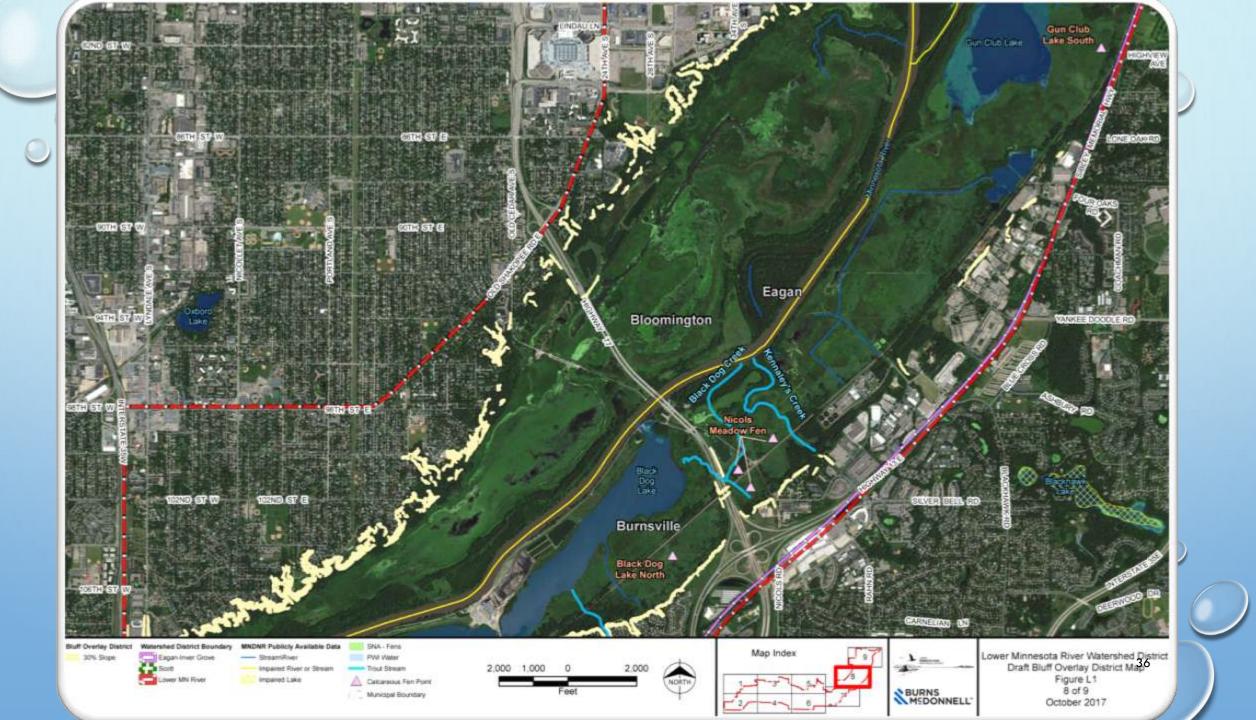


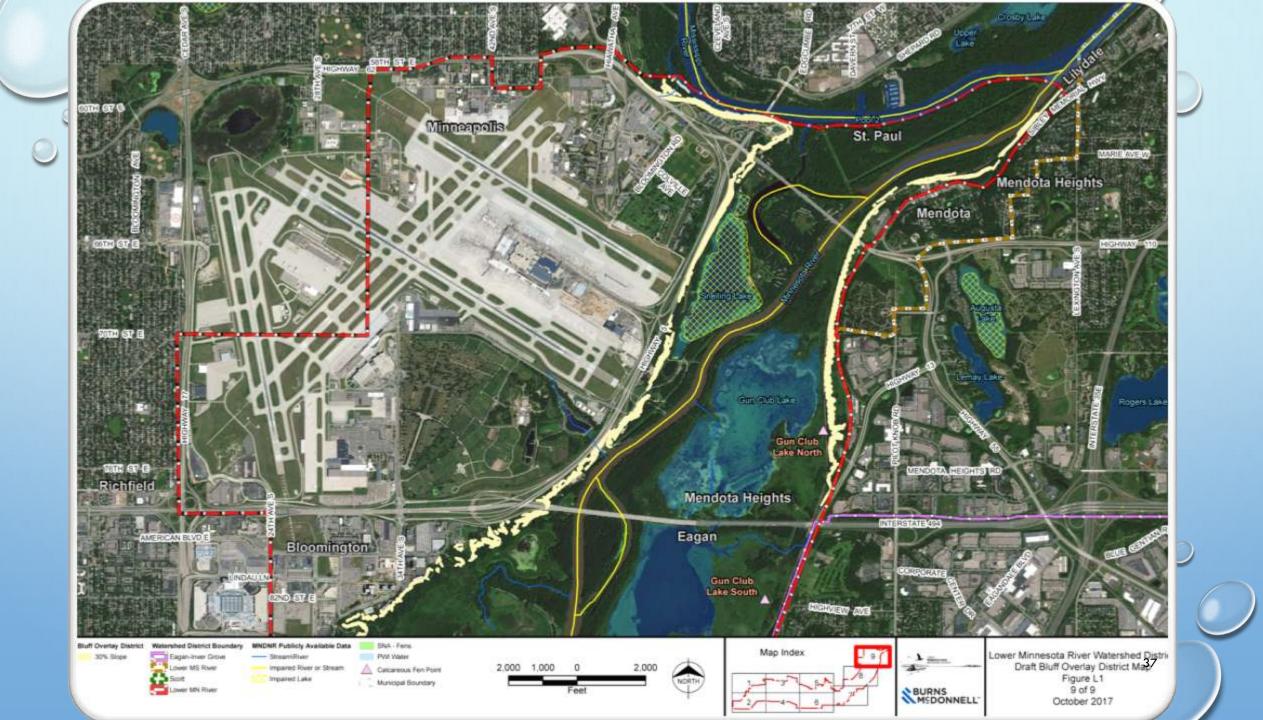












#### EXISTING BLUFF STANDARD PROPERTY SUMMARY PRELIMINARY

Bloomington	Burnsville	Carver	Chanhassen	Chaska	Eden Prairie
511	286	121	54	33	145

Eagan	Fort Snelling	Lilydale	Mendota	Mendota Heights	Met. Airport Co.
37	5	1	15	16	1

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Savage	Shakopee	
109	88	

LMRWD Watershed Plan Amendment Slides

- Definitions modification
  - Bluff, bluff impact zone, bluffline, top of bluff, and toe of bluff will be removed from Appendix K
  - Steep Slope
    - Natural topography feature having an average slope of eighteen (18) percent or greater measured over a horizontal distance of twenty-five (25) feet or more.

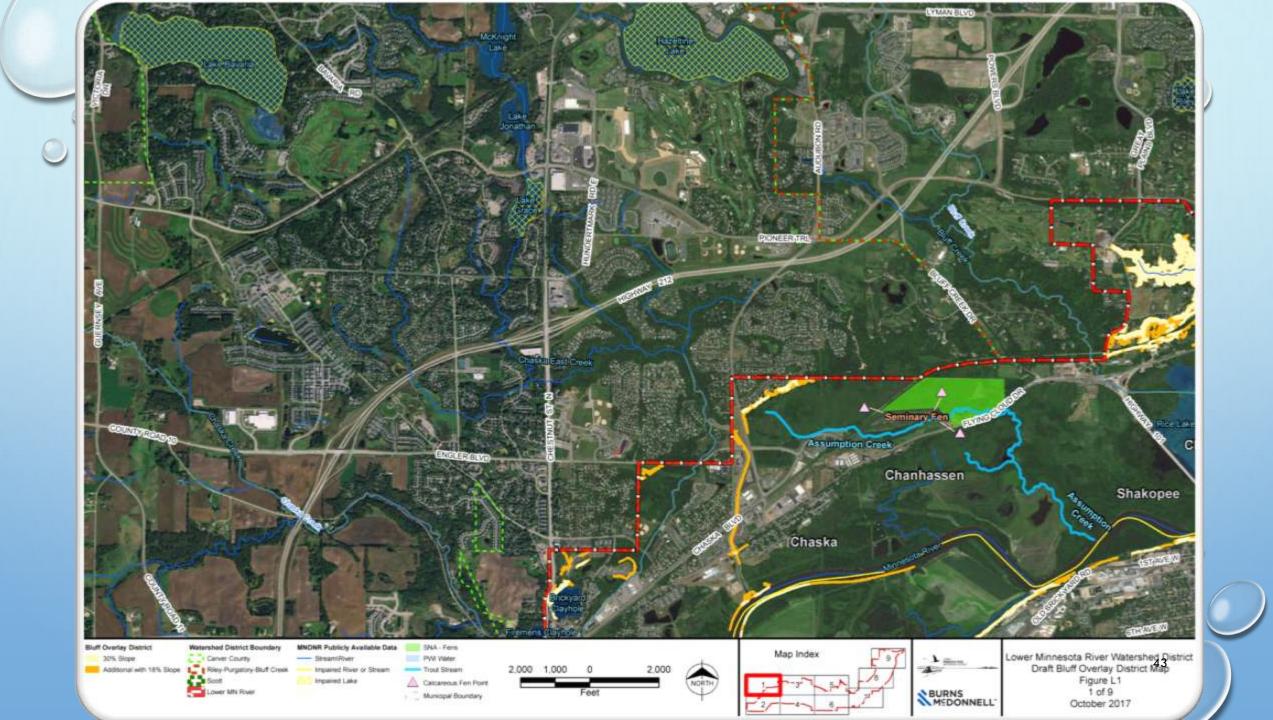
- Trigger
  - Activities that involves the excavation of 50 cubic yards or more of earth, or alteration or removal of 5,000 square feet or more of surface area or vegetation within the overlay District.
  - Activities requiring municipal/LGU grading, building, parking lot, foundations or other commercial or residential permits that result in a net increase in impervious surface or stormwater runoff within the overlay district

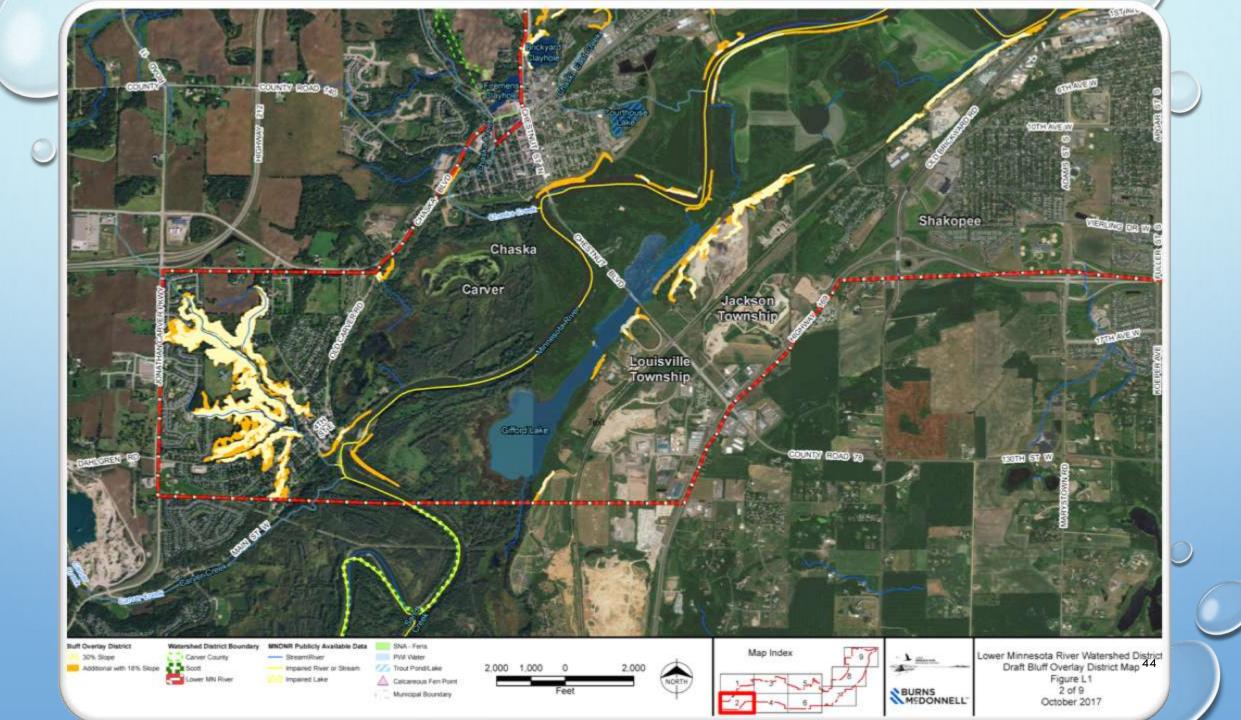
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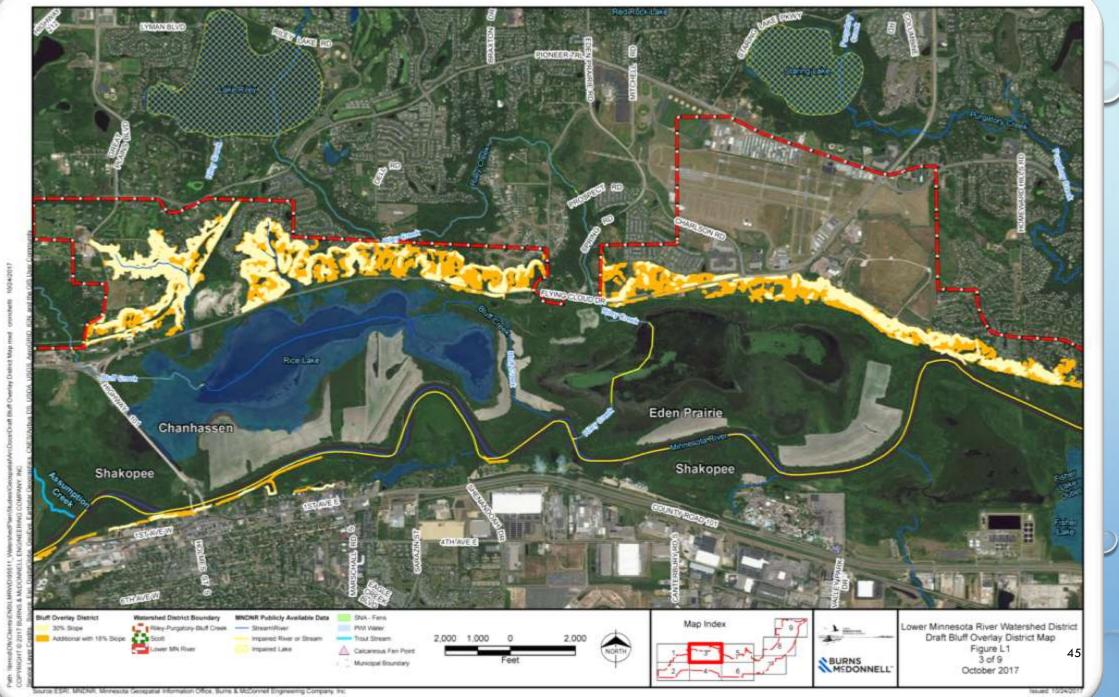
LMRWD Watershed Plan Amendment Slides

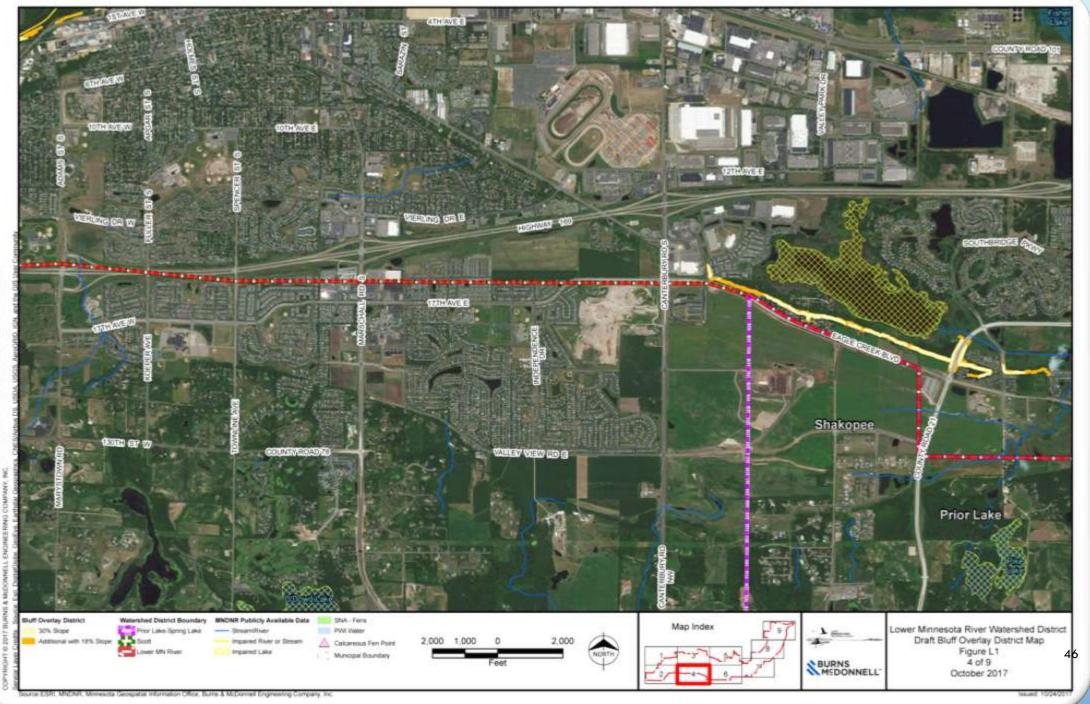
- Requirements
  - A professional engineer registered in the State of Minnesota certifies the suitability of the area for the proposed activities, structures or uses resulting from the activities
  - Implement erosion and sediment control best management practices (BMPs) include site stabilization and slope restoration measures to ensure the proposed activity will not result in:
    - adverse impacts to adjacent and/or downstream properties or water bodies;
    - unstable slopes conditions; and
    - degradation of water quality due to erosion, sedimentation, flooding, and other damage,

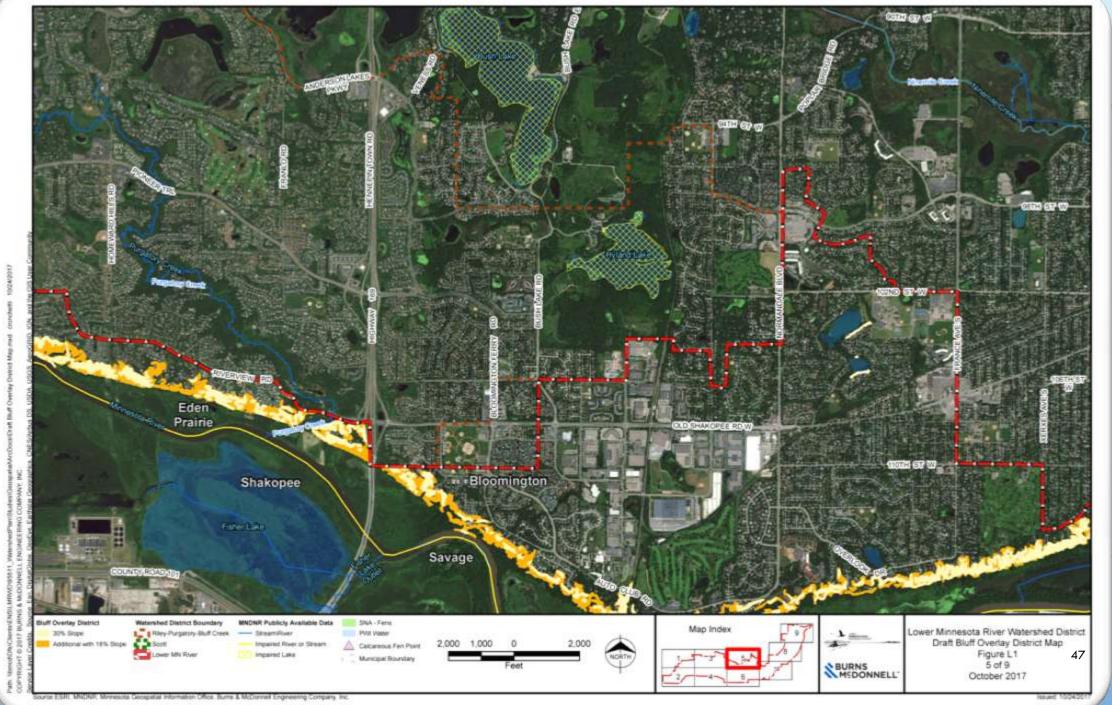
- Requirements (Cont.)
  - Preservation of existing hydrology and drainage patterns. Landdisturbing activities may not result in any new water discharge points on steep slopes
  - Stormwater ponds, swales, infiltration basins, or other soil saturation-type features shall not be constructed within the overlay district



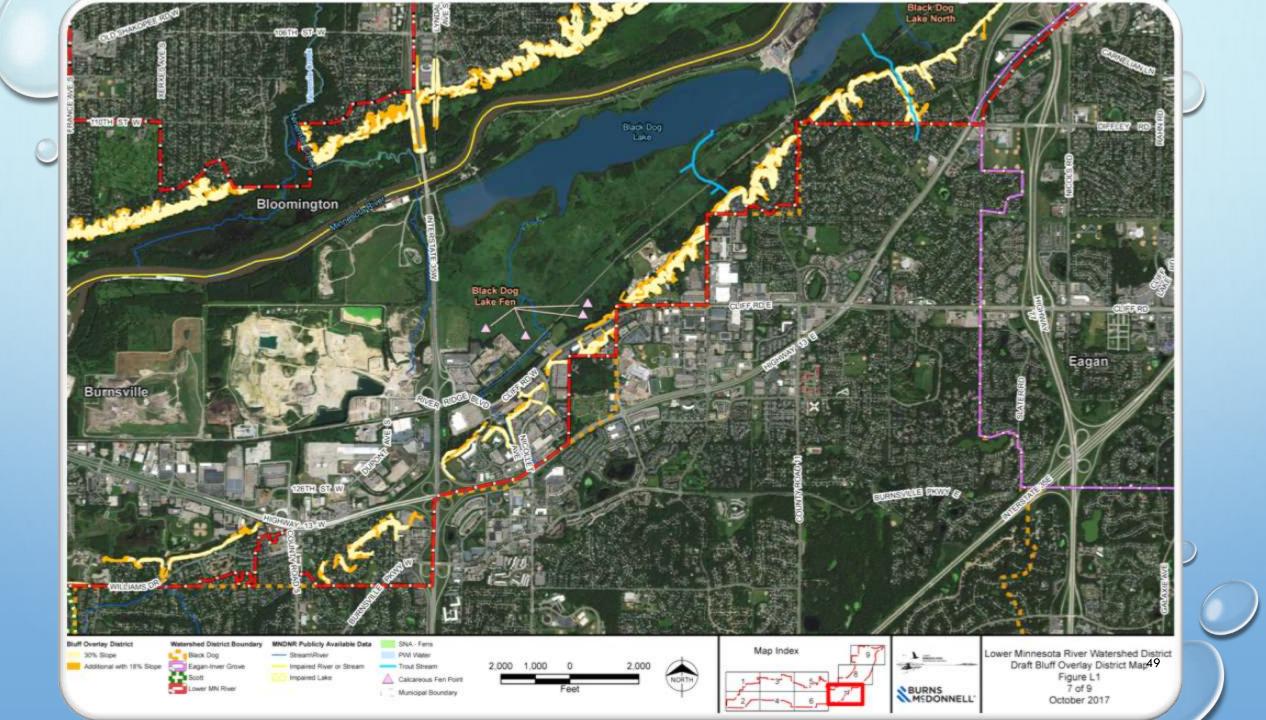


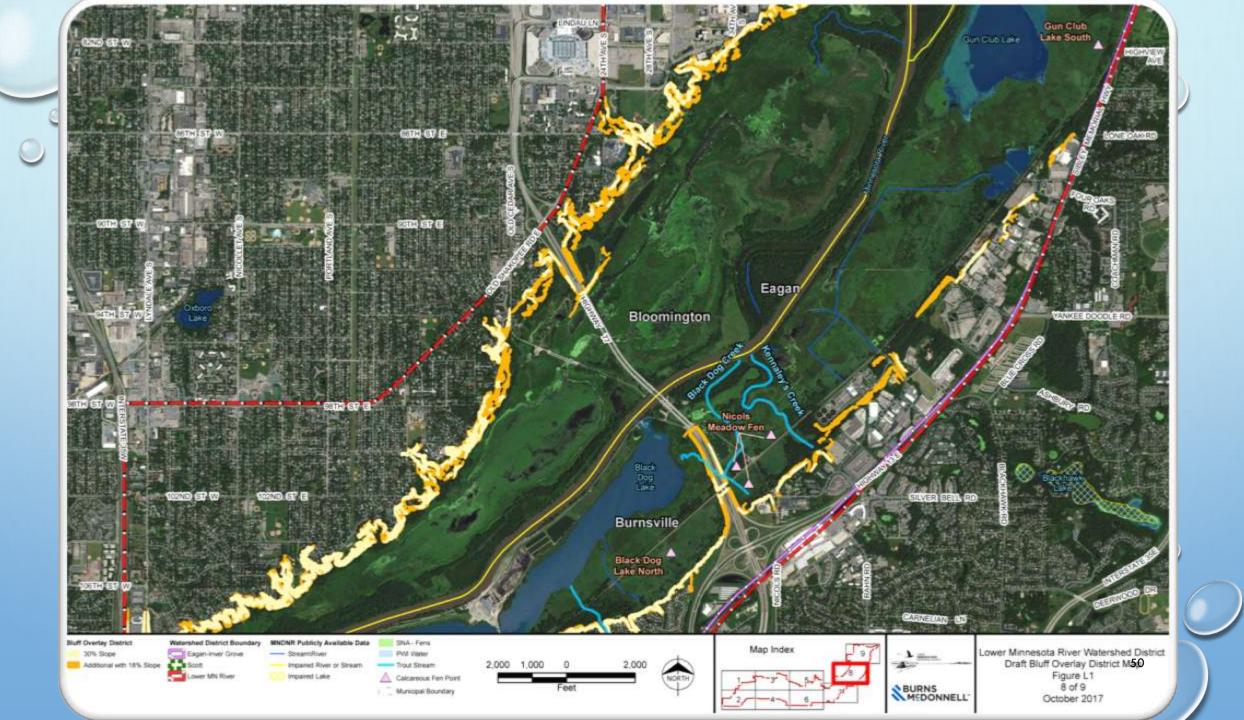


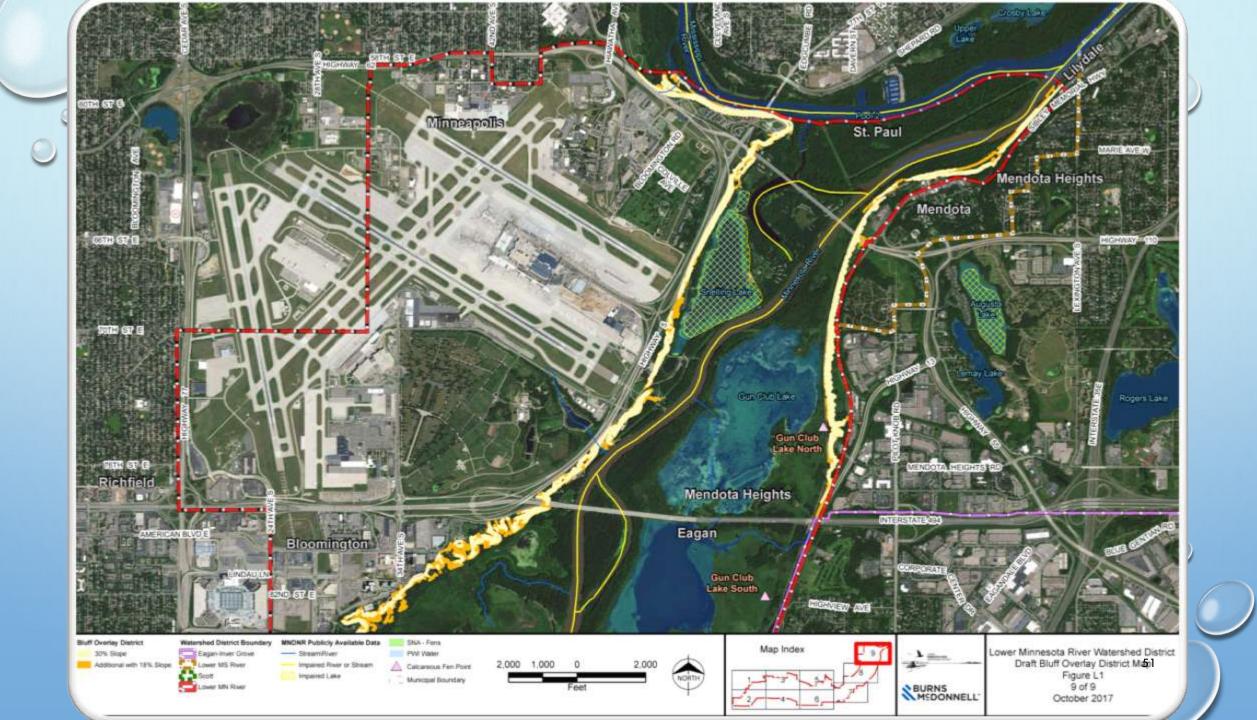












#### Existing Bluff Standard vs. Proposed Steep Slope Standard Property Summary Preliminary

	Bloomington	Burnsville	Carver	Chanhassen	Chaska	Eden Prairie
Existing	511	286	121	54	33	145
Proposed	676	363	159	65	84	229
Net Change	165	77	38	11	51	84

#### Existing Bluff Standard vs. Proposed Steep Slope Standard Property Summary Preliminary

	Eagan	Fort Snelling	Lilydale	Mendota	Mendota Heights	Met. Airport Co.
Existing	37	5	1	15	16	1
Proposed	49	5	1	16	16	1
Net Change	12	0	0	1	0	0

	Savage	Shakopee
Existing	109	88
Proposed	239	199
Net Change	130	111

Plan Amendment Process Summary – Next Steps April 2018 June/ July 2018 - Close Public Hearing Present 90-day Draft Plan to **District Board** Submit 90-day Draft to BWSR Finalize the SONAR Develop 90-day Draft Plan April – June 2018

Address BWSR Questions, if any Attend BWSR Board Meeting

