



OVERVIEW

- 1. Watershed District Purpose
- 2. Legal Requirement/Authority/Process
- 3. Plan Amendment Framework
- 4. Standards Development Approach
- 5. Proposed Standards
- 6. Plan Amendment Process Summary



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)



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)



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

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

Fall 2016

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

March & April 2017





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 THE INTENDED CONDITION

EXISTING MUNICIPAL AND TOWNSHIP STANDARDS REVIEW

Municipalities and Townships

- Bloomington
- Burnsville
- Carver
- Chanhassen
- Chaska

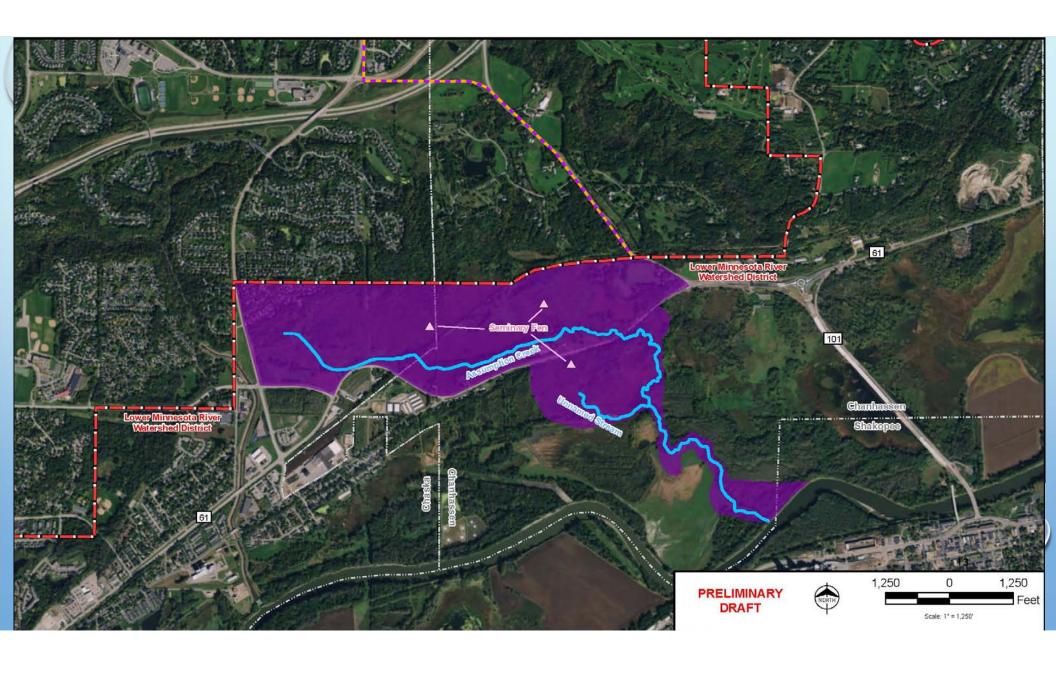
- Eagan
- Eden Prairie
- Jackson Township
- Lilydale
- Louisville Township

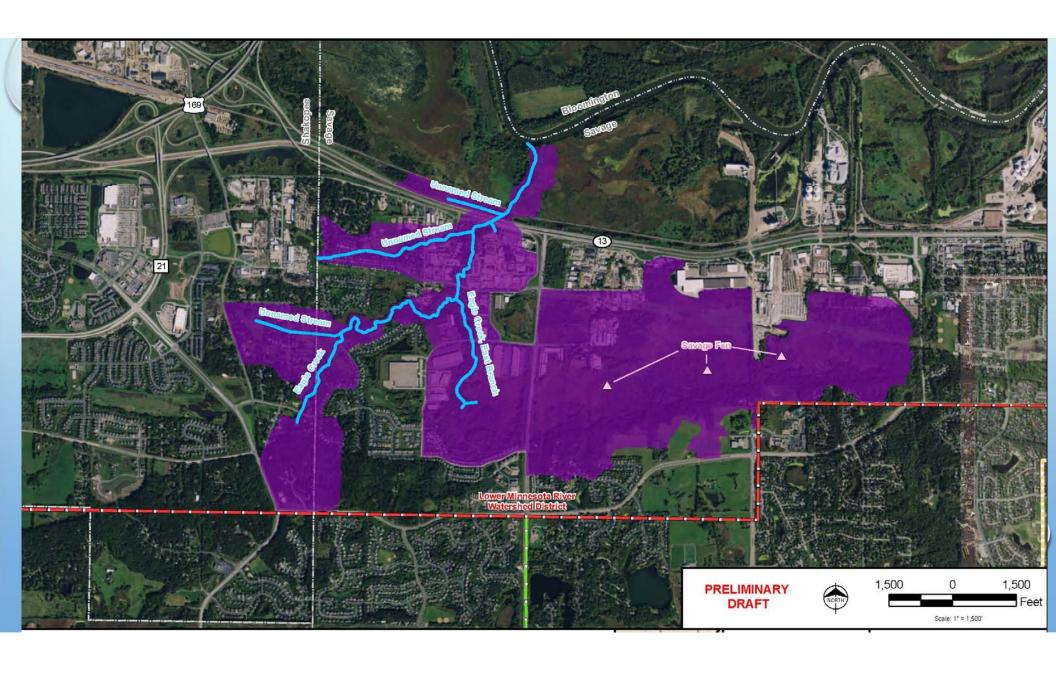
- Mendota
- Mendota Heights
- Savage
- Shakopee

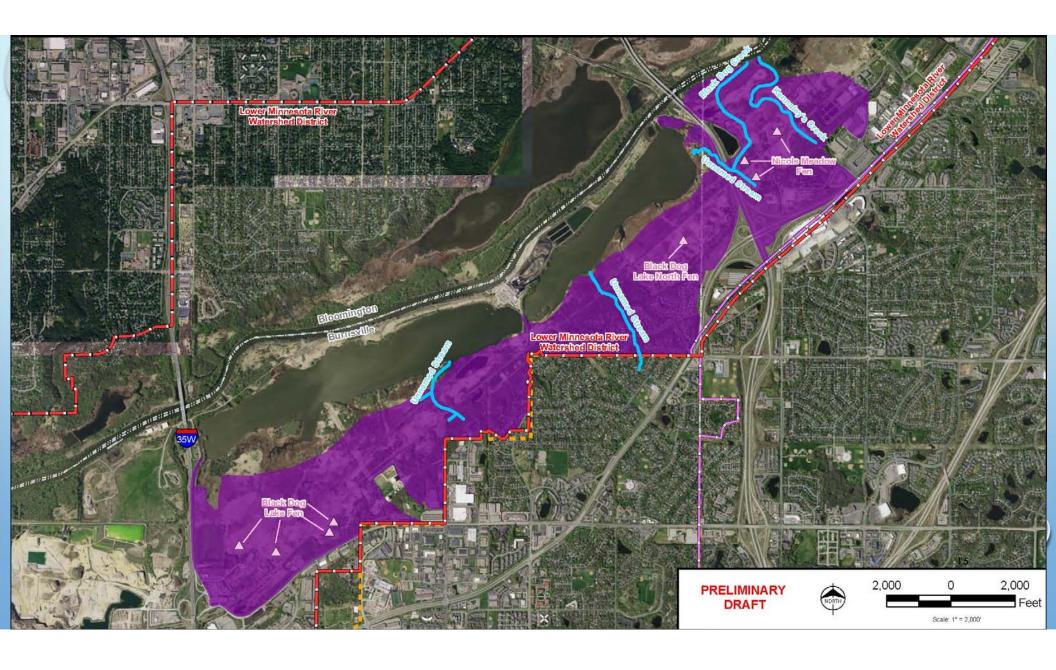
Standards Reviewed

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

HIGH VALUE RESOURCE AREAS FENS, TROUT LAKES AND TROUT STREAMS











PROPOSED STANDARD

- Proposed Construction Erosion and Sediment Control Standards
 - 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.).

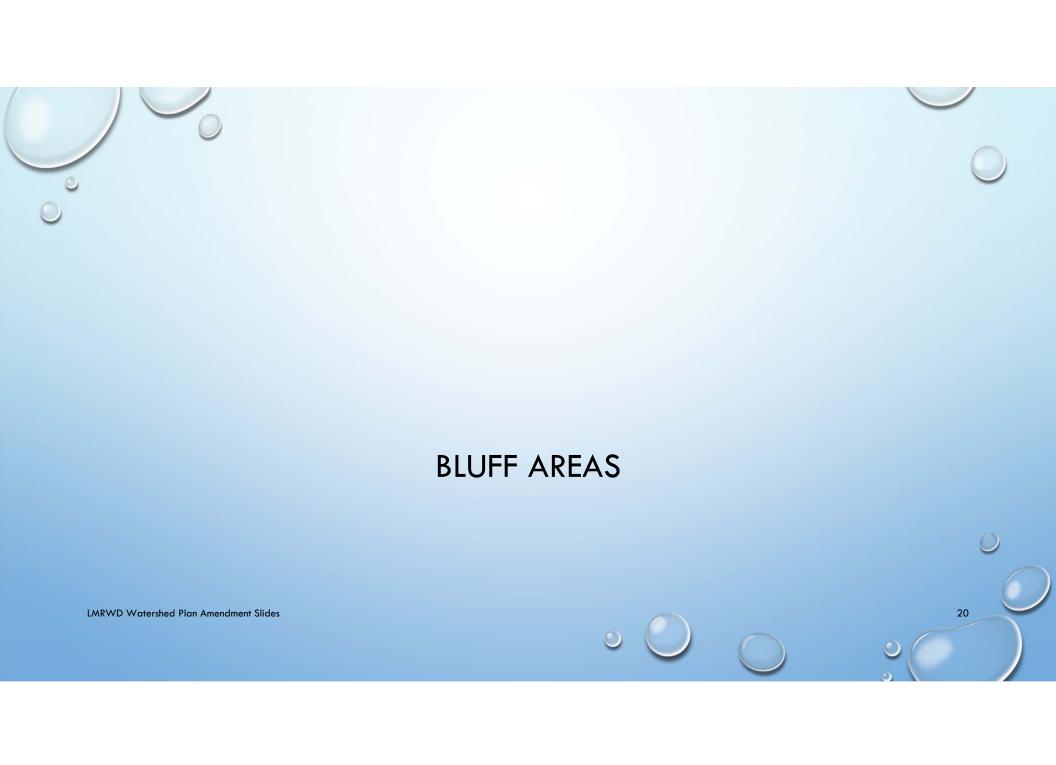
Standard

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



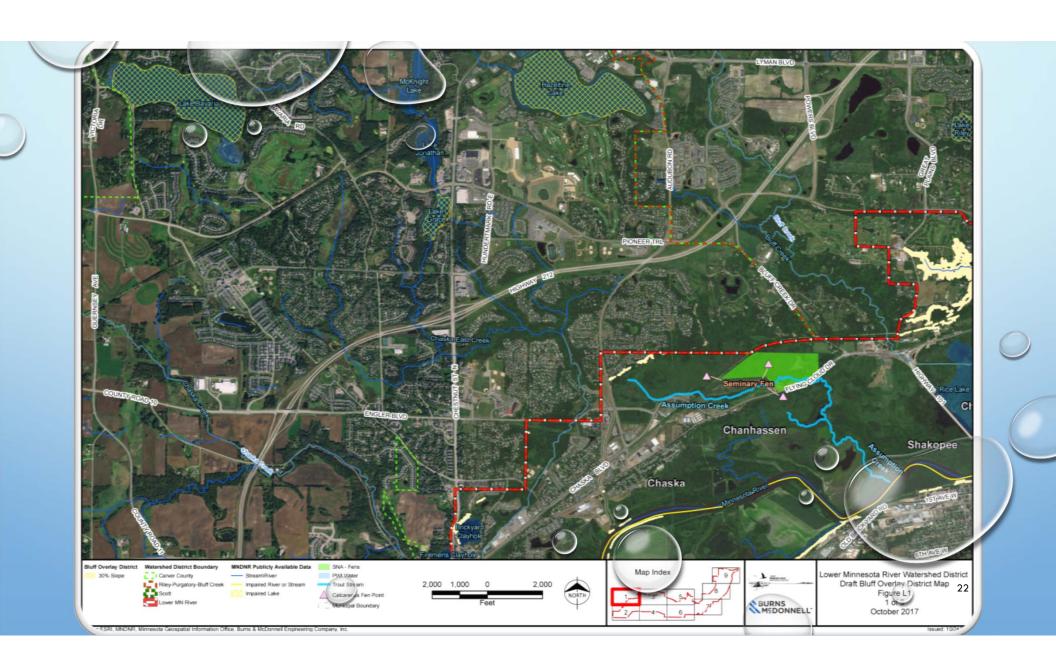
Proposed Water Appropriation Standard High Resource Value Areas

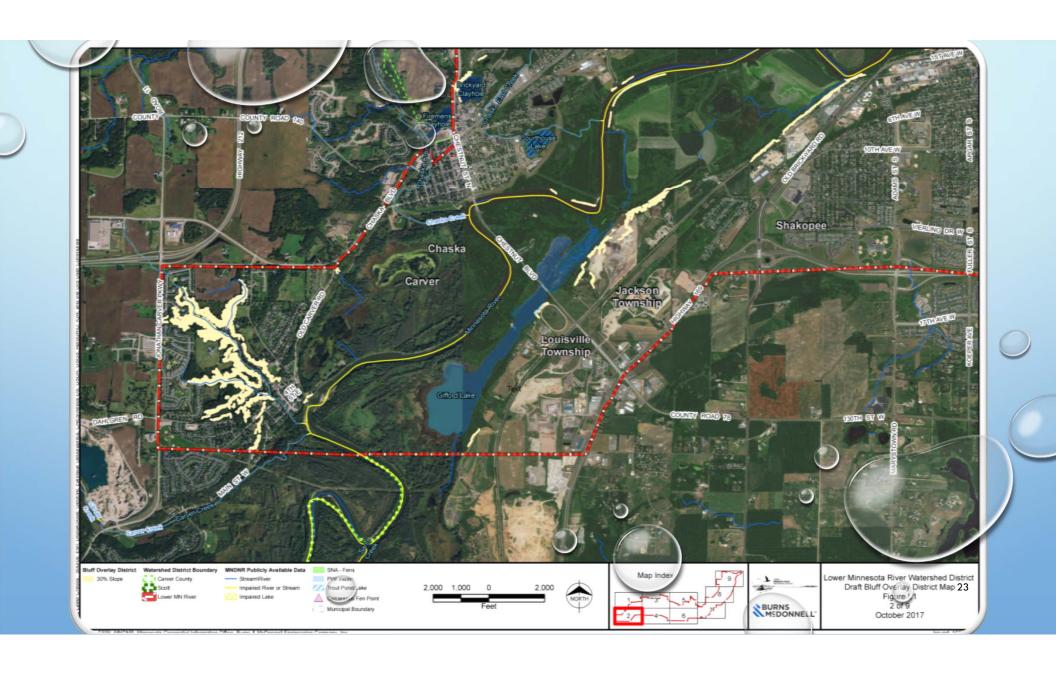
- Trigger
 - Dewatering activities and Groundwater appropriations (less than and greater than 10,000 gallons per day and 1 million gallons per year)
- Standard
 - Demonstrate no net change in groundwater levels
 - Discharge Management Plan

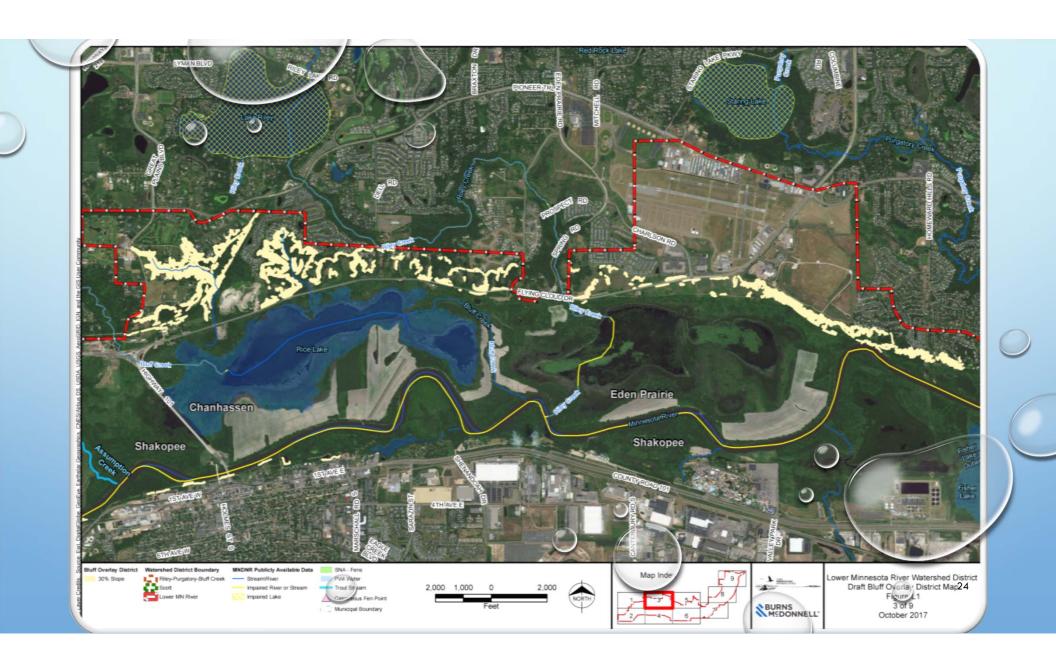


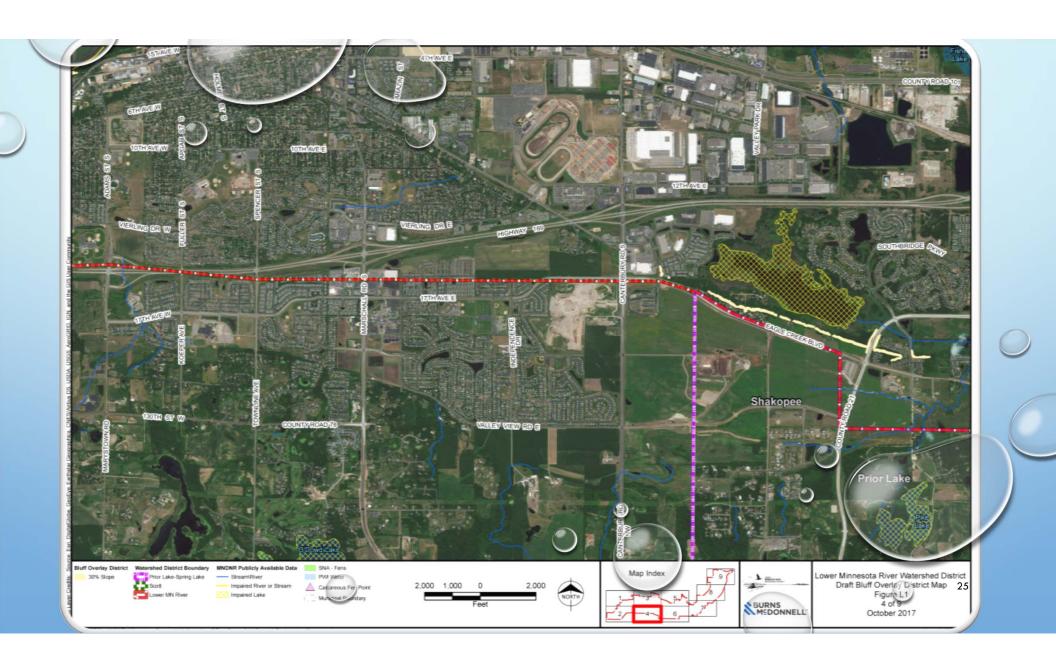


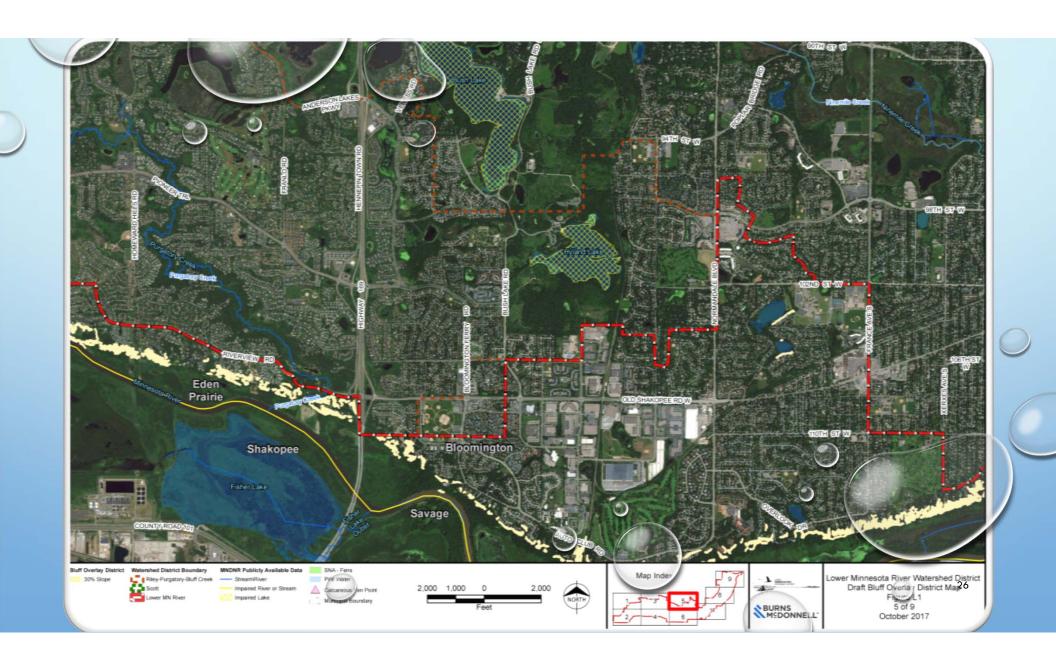
The bluff definition would change from 30% to 18%, would not be tied to shoreland and the structural setback would change from 30 feet to 40 feet.

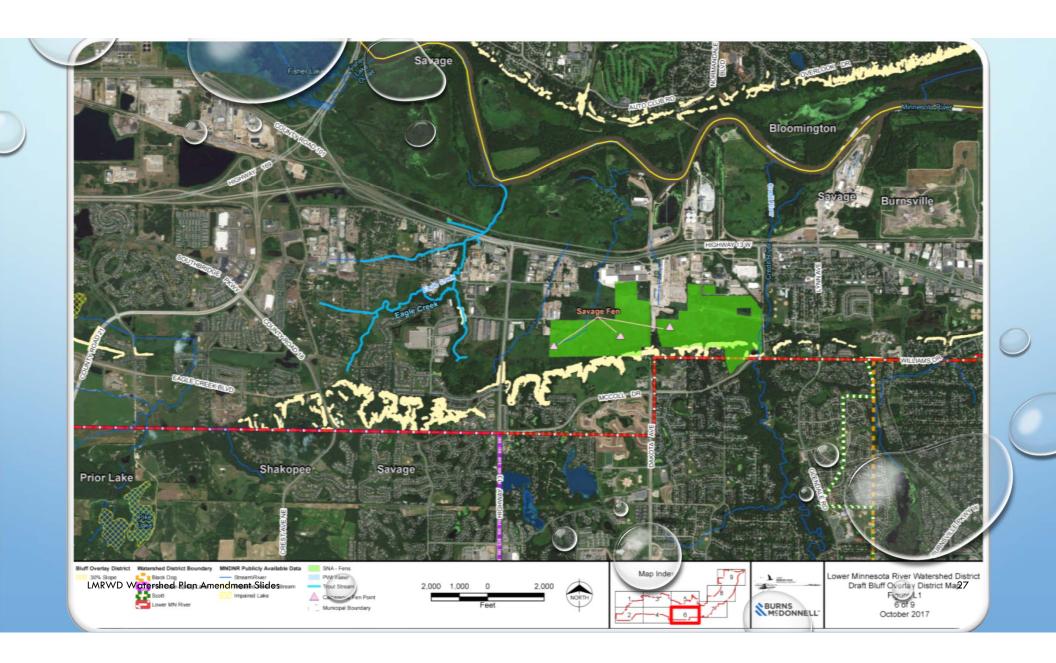


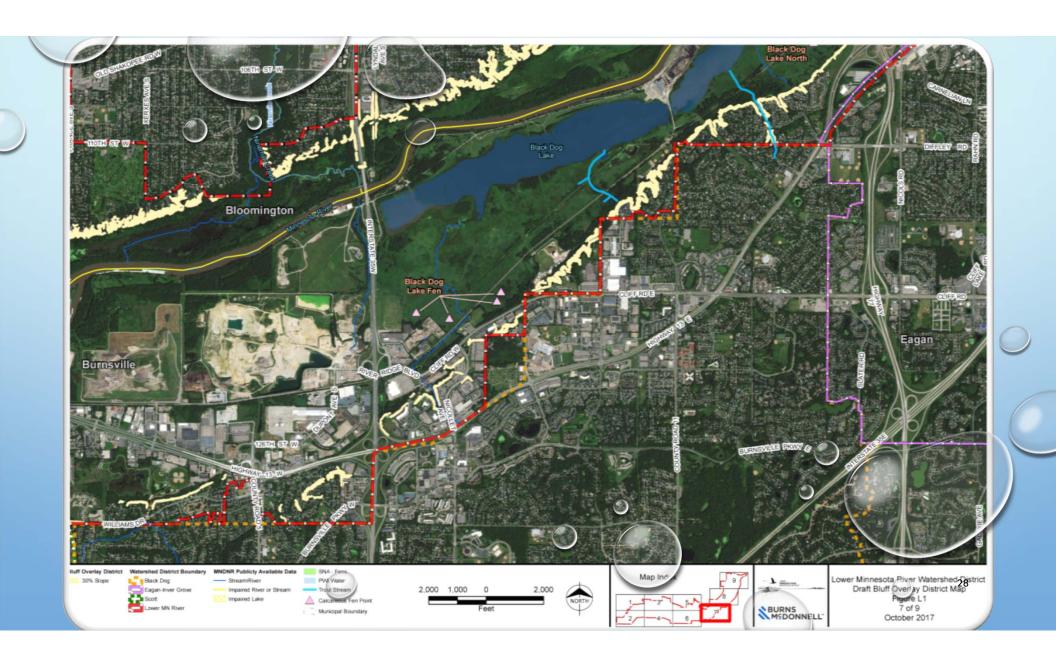


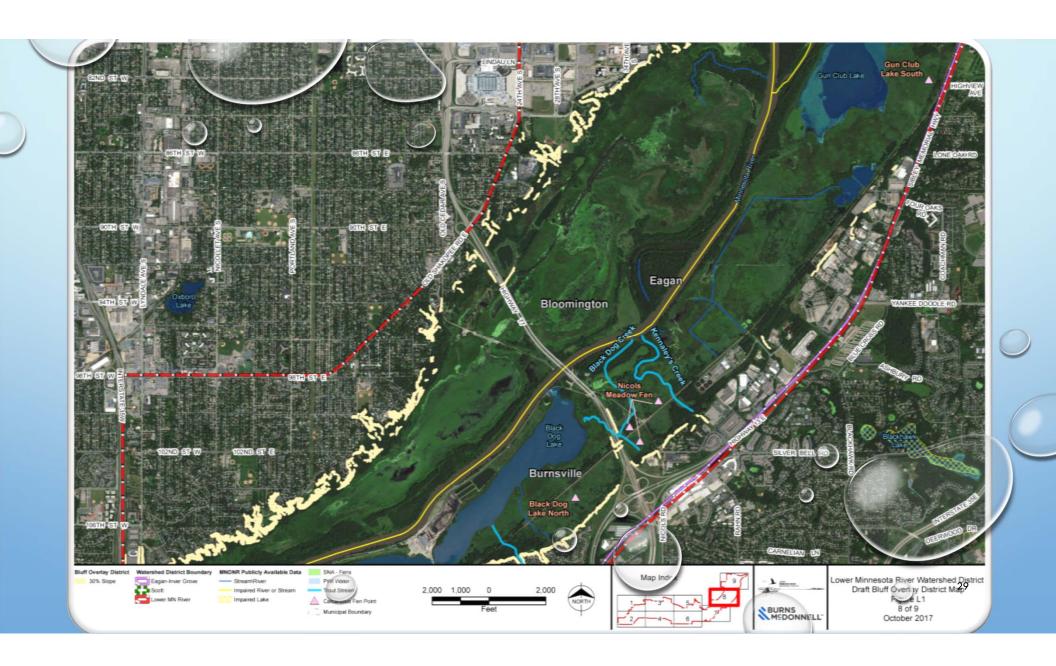


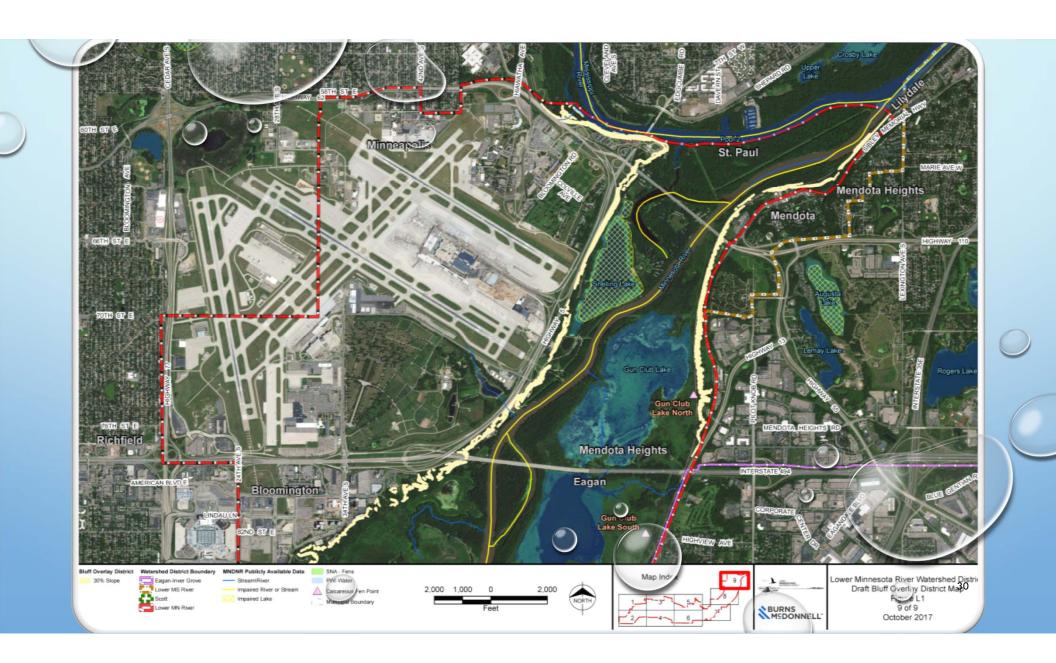














EXISTING BLUFF STANDARD PROPERTY SUMMARY

PRELIMINARY

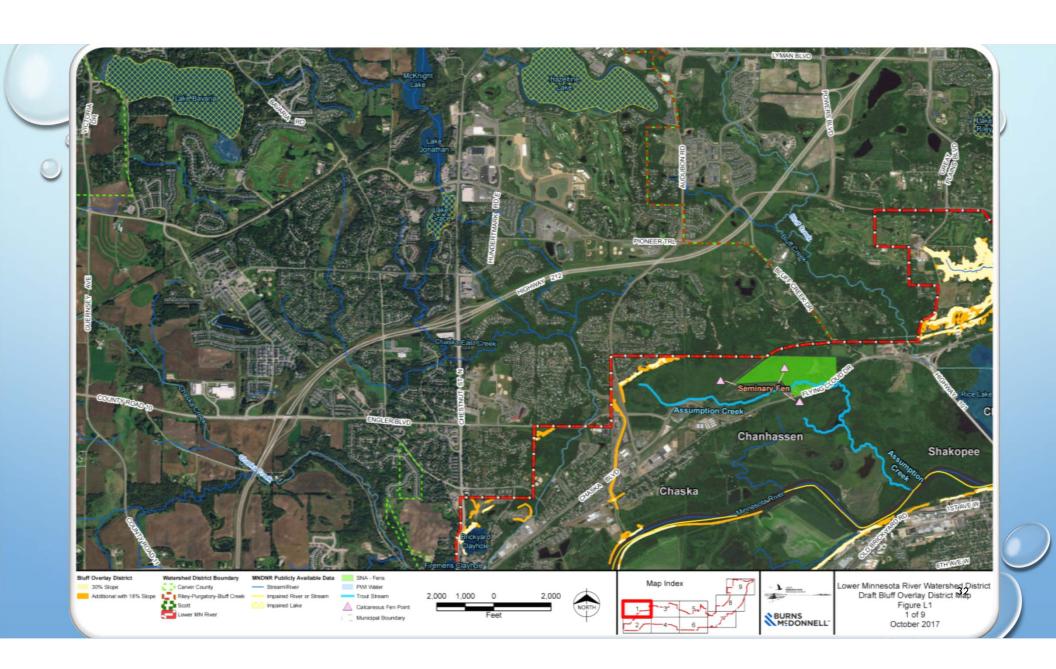
Bloomington	Burnsville	Carver	Chanhassen	Chaska	Eden Prairie
511	286	121	54	33	145

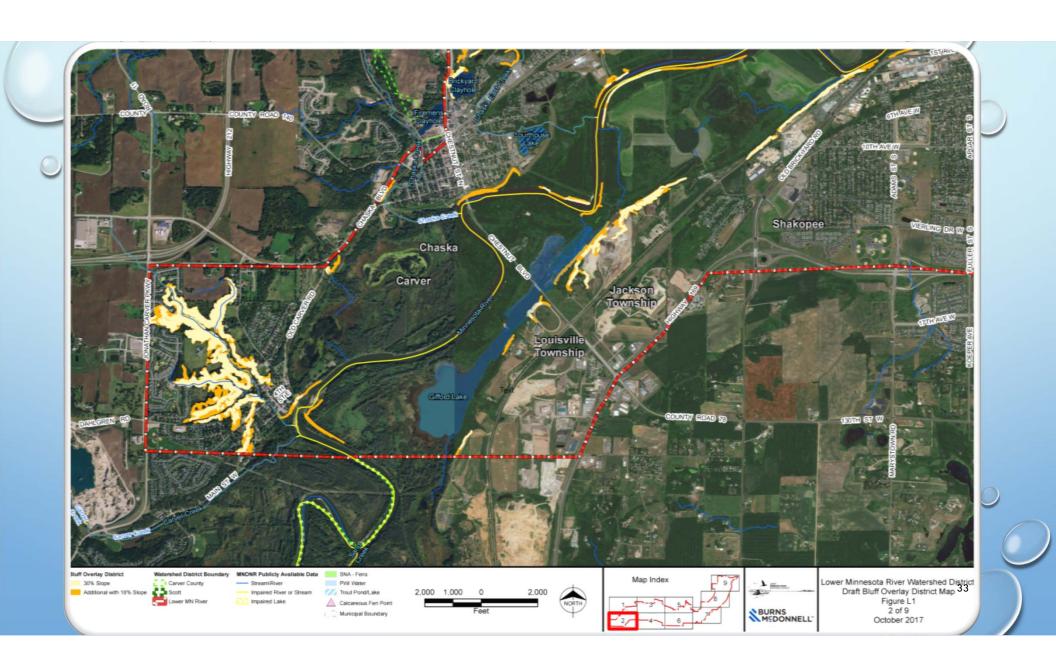
Eagan	Fort Snelling	Lilydale		Mendota Mendota Heights	
37	5	1	15	16	1

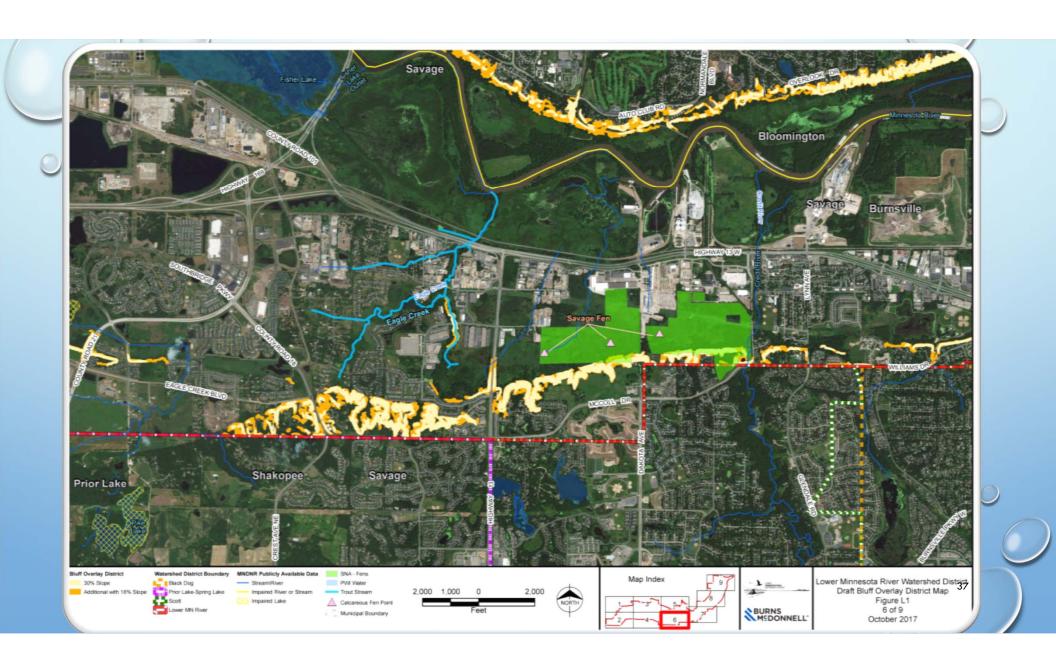
Savage	Shakopee	
109	88	

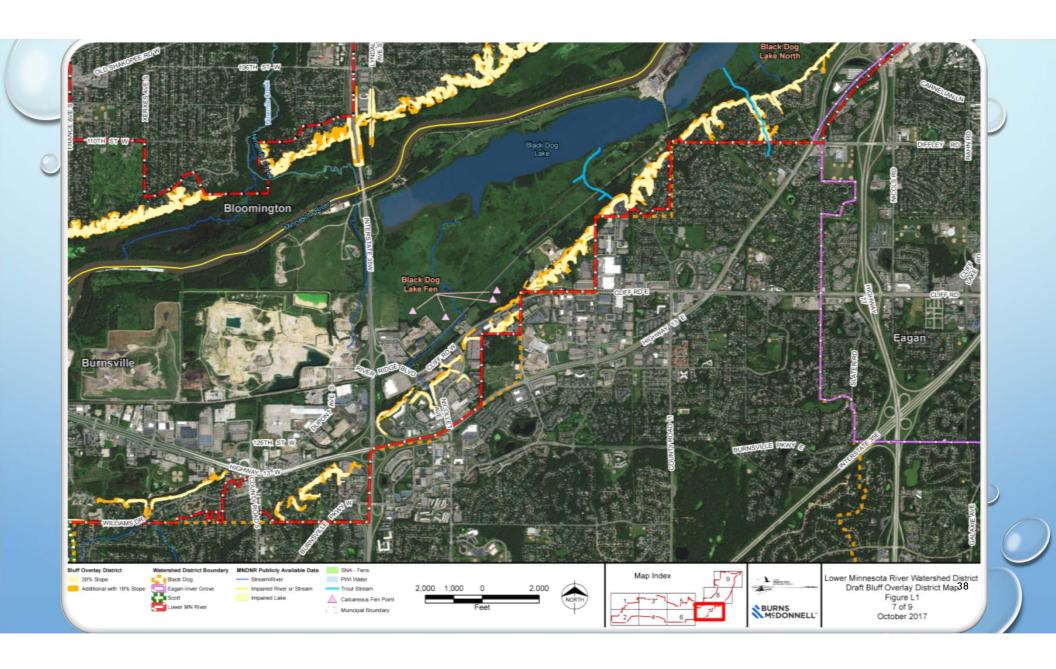
LMRWD Watershed Plan Amendment Slides

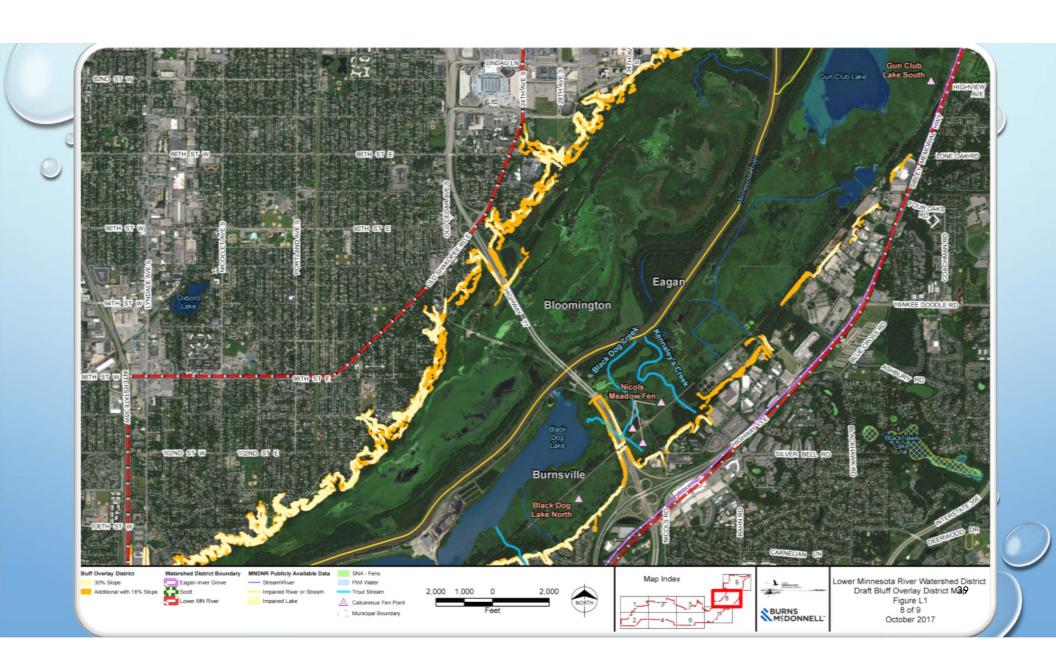
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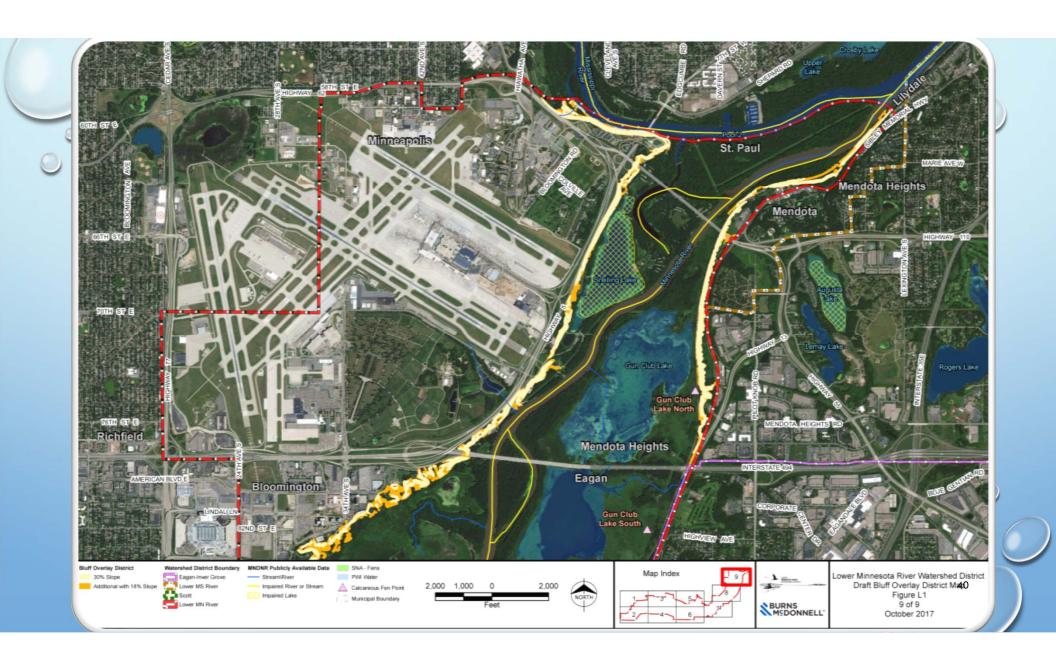












EXISTING & PROPOSED BLUFF STANDARD PROPERTY SUMMARY

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 & PROPOSED BLUFF 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



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/WMO
- Public Hearing
- Met with the cities of Eden Prairie and Bloomington
- Comment period closed on Sept. 20th

August & September 2017

- Finalize Draft SONAR
- Address comments
- Update the Plan
- Released 90-day Draft Final Plan

October 2017 - April 2018