WATERSHED MANAGEMENT PLAN AMENDMENT 3RD TAC MEETING – MARCH 8, 2017

LOWER MINNESOTA RIVER WATERSHED DISTRICT

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OVERVIEW

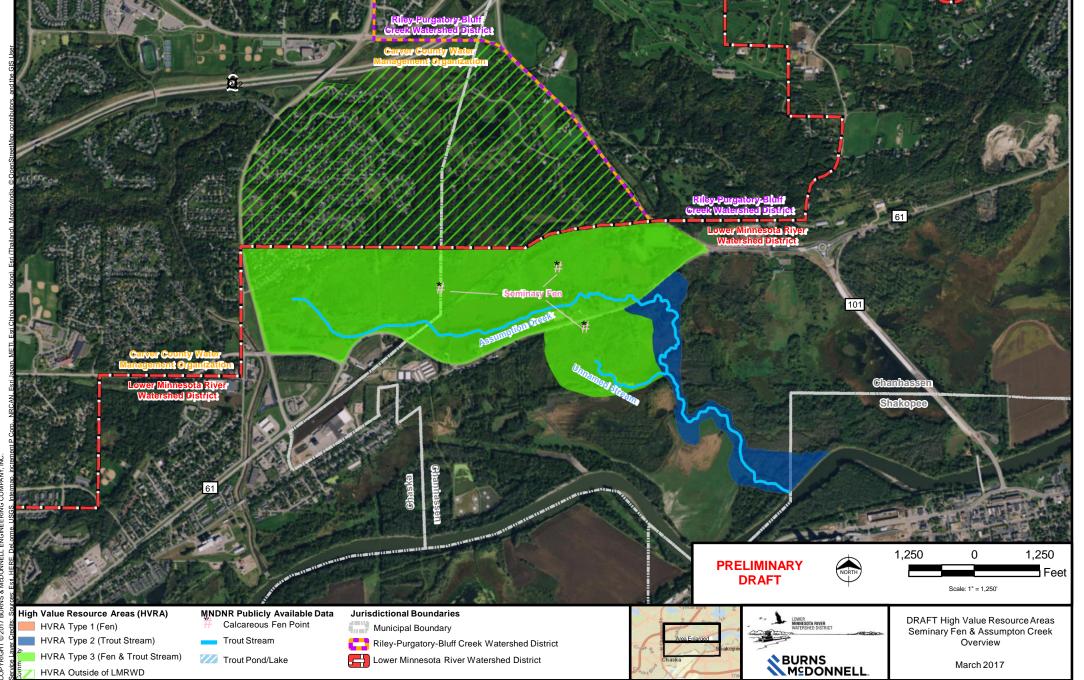
- 1. Previous Meetings Recap
- 2. Review High Value Resource Area Maps
- 3. Existing and Proposed Standards
 - ✓ Shoreline & Streambank
 - √ Water Appropriations
 - ✓ Wetlands
- 4. Next Steps

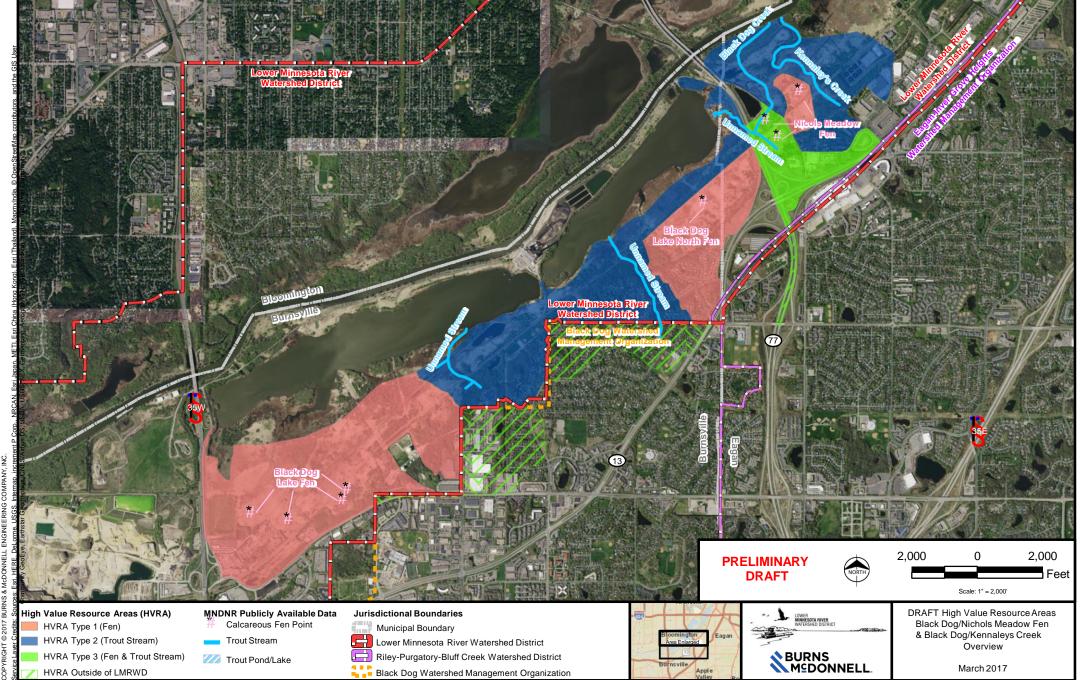


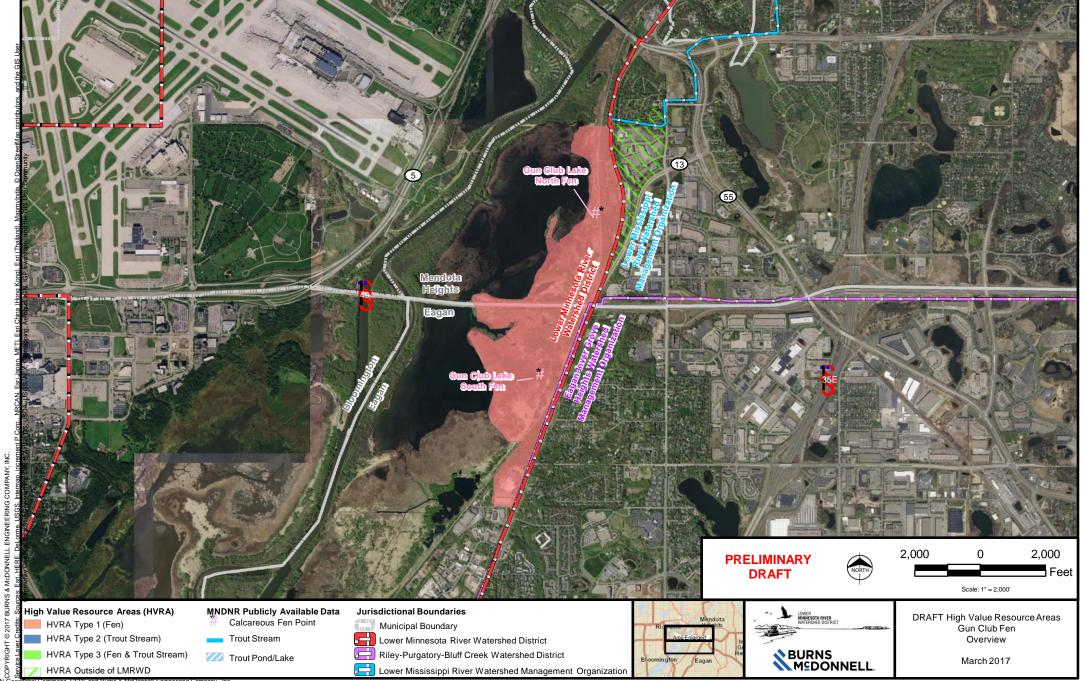
- Erosion and Sediment Control Standard
- Floodplain Standard
- Stormwater Management Standard
- Two Standards
 - General Standard
 - High Value Resource Area Standard (Fens, Trout Streams and Trout Lakes)

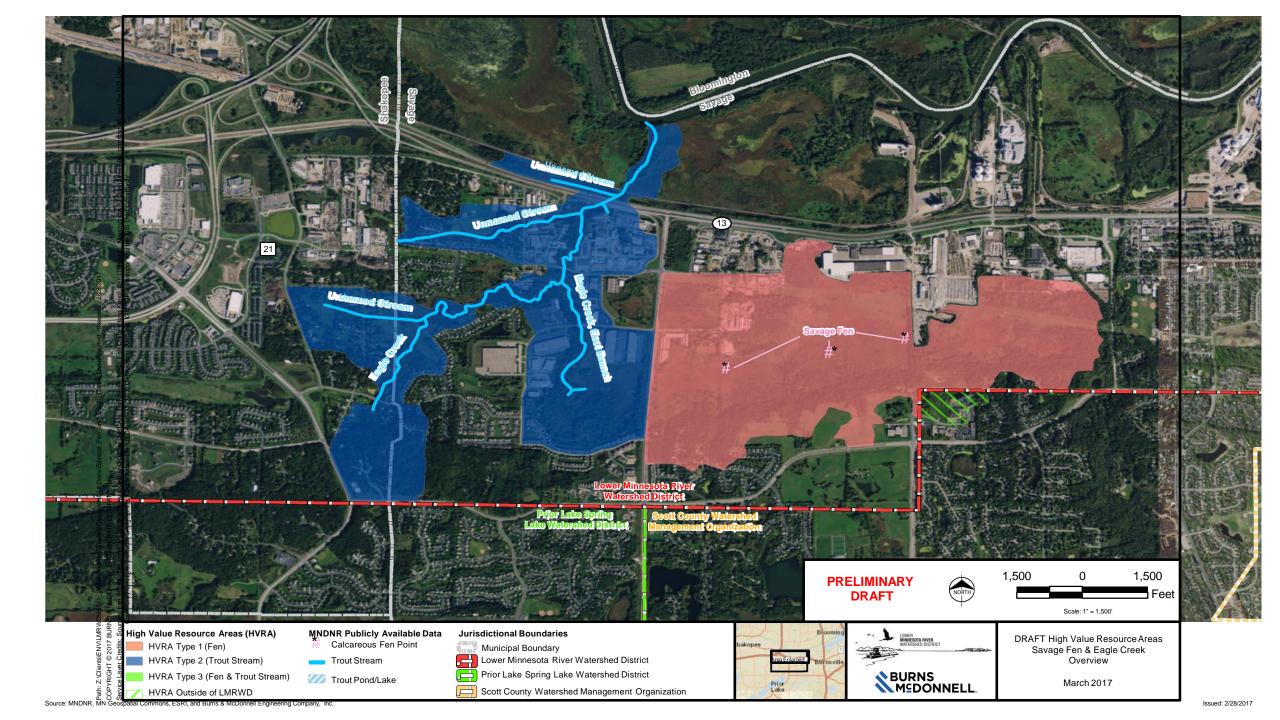


- Bluff Management Standard Modeled after the MRCCA Rules
 - Definitions
 - General Development for Public Facilities
 - General Development for Private Facilities
 - Vegetation Management
 - Land Alterations
 - Stormwater Management









SHORELINE AND STREAMBANK STANDARDS (EXISTING MUNICIPAL)

Classification of Shoreland Areas:

Numerous ordinances create shoreland area classifications and list specific restrictions on cutting, clearing, building, making alterations, using fill, etc. within designated areas.

Size of Project:

Permit required for the movement of more than 10 cubic yards of material within shore impact zones. (e.g. Eagan, Bloomington, Eden Prairie). Grading and filling permits required for certain projects. Vegetation alteration permits may be required and cutting is prohibited in certain areas.

Development Setbacks:

New development in the first 300 feet from river should have a relationship to the river and need for a river location or capability to enhance the river, environment, etc. (e.g. Lilydale).

SHORELINE AND STREAMBANK STANDARDS

EXISTING DISTRICT STANDARD

- Trigger
 - Any shoreline or streambank alteration
- Standards:
 - BIOENGINEERING: Wherever possible, bioengineering techniques shall be used in place of traditional engineered stabilization.
 - RETAINING WALLS: Retaining walls shall be used only when no adequate alternative exists. All retaining walls shall comply with Minn. Rule 6115.0211 Subp. 5.

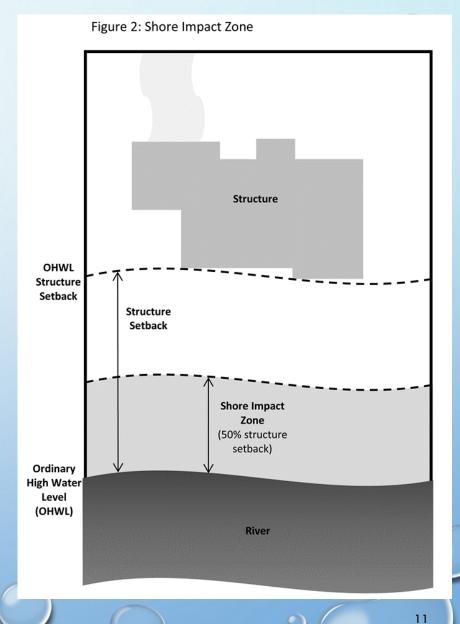
SHORELINE AND STREAMBANK **STANDARDS Proposed Standard**

Trigger

• Any alteration of the shoreline, shore impact zone and streambank

Definition

- Shoreline the lateral measurement along the contour of the ordinary high water mark of waterbodies other that watercourses, and the top of the bank of the channel of watercourses, and the area water ward thereof.
- Shore Impact zone land located between the ordinary high water level of public waters and a line parallel to it at a setback of 50 percent of the required structure setback or, for areas in agricultural use, 50 feet landward of the ordinary high water level (MRCCA – Figure 2: Shore Impact Zone)
- Streambank consists of the terrain alongside the bed of a river, creek, or stream and sides of the channel, between which the flow is confined. The grade of the bank can vary from vertical to a shallow slope.



SHORELINE AND STREAMBANK STANDARDS

PROPOSED

- STANDARDS:
 - BIOENGINEERING: Wherever possible, bioengineering techniques shall be used in place of traditional engineered stabilization.
 - RETAINING WALLS: Retaining walls shall be used only when no adequate alternative exists.
 - All retaining walls shall comply with Minn. Rule 6115.0211 Subp. 5.



EXISTING DISTRICT STANDARD

- Trigger
 - 10,000 gallons per day or 1 million gallon per year
- Standard
 - NOTICE: The effects of the proposed appropriation must be defined and a copy of any DNR appropriations permit

WATER APPROPRIATION STANDARDS

PROPOSED STANDARD

General

- Trigger
 - More than 10,000 gallons per day or 1 million gallon per year
- Standard
 - NOTICE: The effects of the proposed appropriation must be defined and a copy of any DNR appropriations permit
- High Resource Value Areas
 - Triggers
 - Dewatering activities
 - Groundwater appropriations (less than and greater than 10,000 gallons per day and 1 million gallons per year)



PROPOSED STANDARD

- High Value Resource Areas
 - Standard
 - Demonstrate no net change in groundwater levels
 - Discharge Management Plan



WETLAND STANDARDS

EXISTING AND PROPOSED DISTRICT STANDARD

- Trigger
 - Alteration greater than 1,000 square feet in non-shoreland wetlands or greater than 400 square feet in shoreland wetlands
- Standards:
 - WCA: All activities shall comply with the Wetland Conservation Act.
 - STORMWATER: Storage of stormwater is only permitted if the function and public value of the wetland is not impaired by the storage.
 - MITIGATION:
 - 1. On-site
 - 2. Within the same watershed
 - 3. Within the District's boundary
 - 4. Within project county
 - 5. Within the same major watershed



WETLAND STANDARDS

EXISTING AND PROPOSED DISTRICT STANDARD

- Standards (Con't):
 - Buffer
 - For replacement wetlands, a 25-foot buffer is required for replacement wetlands less than 2 acres in size; all other replacement wetlands must have a 50-foot average buffer width and at no point have buffer width less than 25 feet.
 - Functional Assessment
 - A Minnesota Routine Assessment Methodology (MnRAM) functional assessment must be completed for each project delineated wetland.



NEXT STEPS

- March 22nd Technical Advisory Commission (TAC) and Stakeholders
- Expect materials one week before the meeting
- Comments are being reviewed. Expect responses soon
- Draft Plan Amendment
 - 60-Day Review Draft ~ May June 2017