

The background of the slide is a light blue gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. The main title is centered in a large, bold, black font.

Watershed Management Plan Amendment

Lower Minnesota River Watershed District - Managers Workshop

March 21, 2018

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OVERVIEW

1. Proposed Standards
2. Administrative Procedures
3. Capital Improvement Projects
4. Plan Amendment Process Summary

Proposed Standards

- Steep Slopes Standard (previously Bluff Standard and Bluff and Steep Slopes Standard)
- Protect natural slopes 18 percent and greater
- Manage through a mapped-based overlay district developed from the Minnesota Department of Natural Resources (MnDNR) Bluff Mapping Tool

Proposed Standards

- Regulate 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. And, regulate 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

Proposed Standards

- **Definitions modification**
 - Bluff, bluff impact zone, bluffline, top of bluff, and toe of bluff will be removed from Appendix K
- **Steep Slopes**
 - 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.

Proposed Standards

- 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
 - Minimum 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.

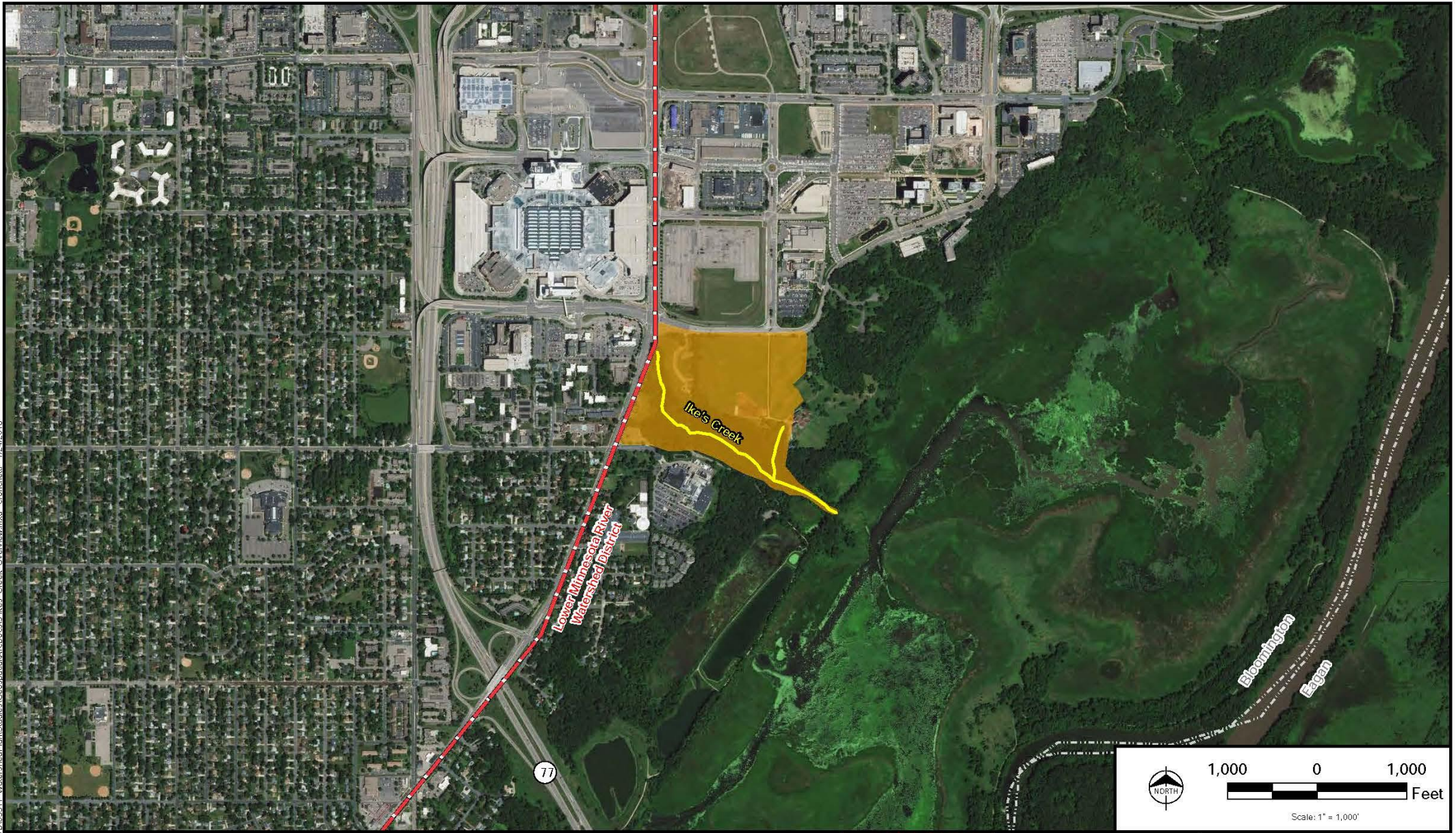
Proposed Standards

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

Proposed Standards

- **Floodplain and Drainage Alteration 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.
 - ‘No Rise’ certificate for projects that places fill in the floodplain

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 PAUL ZACHARSKI, P.E., PLS. Watershed/Planispatial/MapData/Docs/IS Lakes_Creek_Overview.mxd cronchetti_1/24/2018



<p>High Value Resource Area (HVRA)</p> <ul style="list-style-type: none"> ■ HVRA Overlay District ■ Proposed HVRA Overlay District 	<p>MNDNR Publicly Available Data</p> <ul style="list-style-type: none"> ▲ Calcareous Fen Point — Trout Stream — District Recognized Trout Stream ▭ Trout Pond/Lake 	<p>Jurisdictional Boundaries</p> <ul style="list-style-type: none"> ▭ Municipal Boundary ▭ Lower Minnesota River Watershed District
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Lower Minnesota River Watershed District
 High Value Resources Area
 Overlay District Map
 Figure L2
 5 of 5

Proposed Standards

- **Proposed Construction Erosion and Sediment Control Standards**
 - Regulates activities with land disturbance of 5,000sf or more, or grading, excavating, filling or storing of more than 50 cubic yards of soil or earth material.
 - Requires the proposer to provide the following:
 - Grading/ Erosion Control Plan
 - Stormwater Pollution Prevention Plan (SWPPP) for site disturbing 1 acre or more and
 - Maintenance and Inspection Plan

Proposed Standards

- **Proposed Stormwater Management Standard**
 - Regulates development, redevelopment, and drainage alterations (including roads) creating new impervious areas greater than 10,000 square feet (sq. ft.).
 - Requires the following
 - Rate to meet **existing** condition using Atlas 14 nested distribution
 - Volume to meet MIDS requirements
 - Water Quality to meet **existing** conditions

Proposed Standards

- Proposed Water Appropriation Standard
 - Regulates activities requiring both MnDNR Temporary Dewatering and Appropriations permits
 - Requires the proposer
 - To demonstrate no net change in groundwater levels to adjacent fens
 - To prepare a discharge management plan

Administrative Procedures

- Nonconformities policy
- Policy for lots with current municipal development approval
- Policy for lots with development potential
- Roadway/Public Works Projects
- Timeline for Local Water Management Plan (LWMP) and Official Control amendments
- Variance and Conditional Use Process
- **Project Review and Technical Assistance Process**

Capital Improvement Projects (CIPs)

- Seminary Fen Ravine Project (Chaska)
 - Site A - \$75,000
 - Site B - \$75,000
 - Site C2 and C3 (Studies) - \$30,000 each (\$60,000 total)
 - Site C2 and C3 (Design & Construction) - \$75,000 each (\$150,000 total)
- Assumption Creek Hydrology Restoration Study (Chaska) - \$30,000
- Re-routing of Amazon Distribution Center Discharge - \$100,000 (Shakopee)

Capital Improvement Projects (CIPs)

- Segment 5 Realignment of Prior Lake Outlet Channel - \$100,000 (Shakopee)
- Highway 101 Bluff Restoration Project (Chanhassen) – no details provided
- Savage Fen Water Quality Project - \$150,000 (Savage)
- Based District Groundwater Model ~\$175,000 (LMRWD)
- Update Minnesota River Floodplain Model ~ \$150,000 (LMRWD)

Plan Amendment Process Summary

