



# City of Fridley Wellhead Protection Plan 2018 Update

Part 2  
Wellhead Protection  
Plan Amendment

January 28, 2019

# Wellhead Protection Plan

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- Minnesota Rules Parts 4720.5100 to 4720.5590
- Administered by the Minnesota Department of Health
- Associated with the federal Safe Drinking Water Act and the Minnesota Groundwater Protection Act

# Purpose

- Wellhead protection is a method of preventing well contamination by managing potential contaminant sources for an area contributing water.
- Designed to prevent contamination of groundwater.
- Educate the public about the need for surface and groundwater protection.
- This is a mandatory requirement – not in response to any discovered problem with our water sources.

# Fridley's Process

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- Member of the Anoka County Wellhead Planning Group
- This group is established by a Joint Powers Agreement
- In ~2004, began the first modeling needed for WHPP
- In 2008, City completed first WHPP



# Fridley's Process

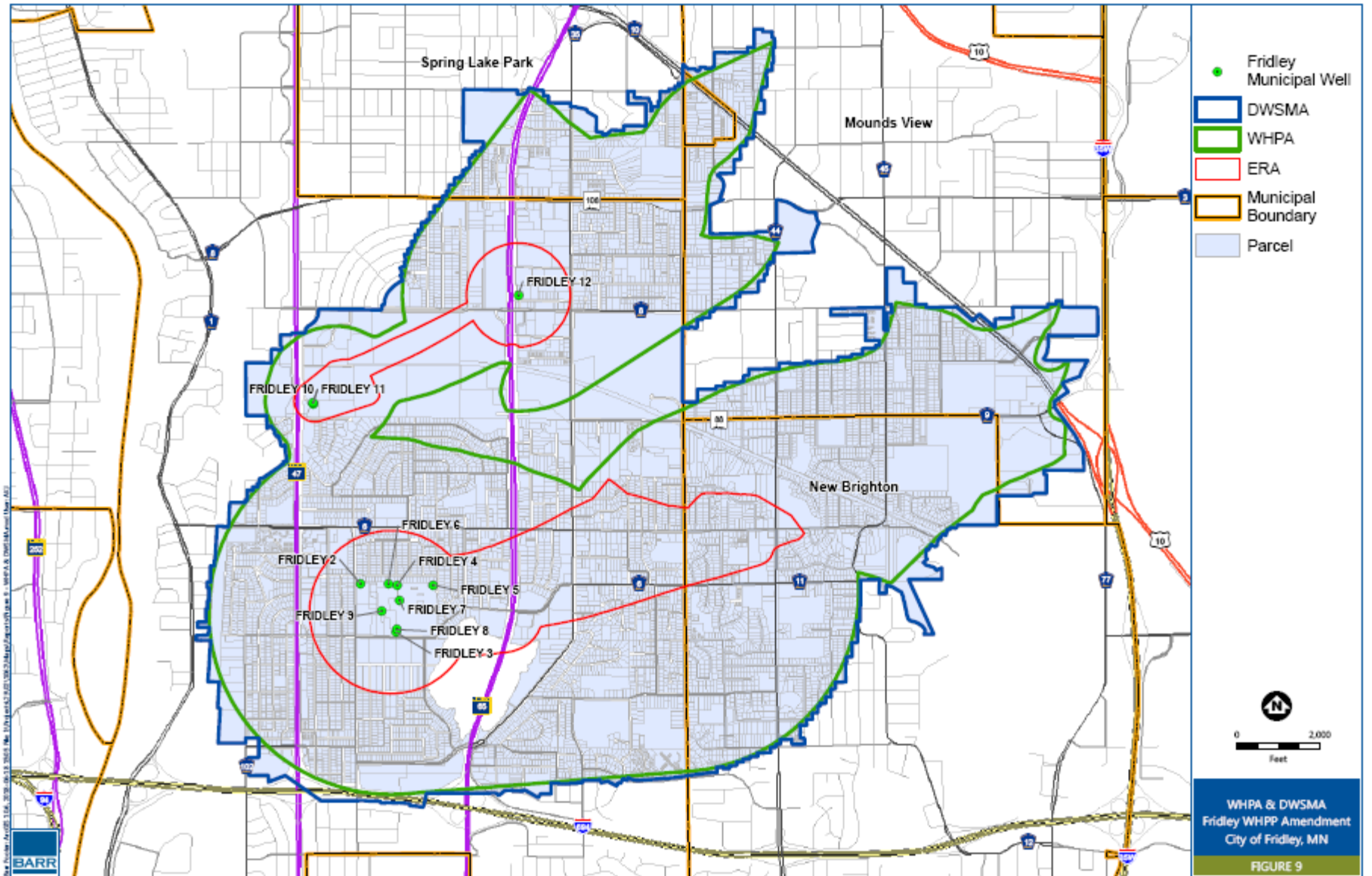
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- In 2018-2019, City is updating its WHPP
- Includes new modeling to complete Part 1
- This uses a new version of the Metro groundwater model

# Part 1: Completed

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- Delineation of Drinking Water Supply Management Area (DWSMA)
- Description of the Public Water Supply
- Vulnerability Assessment
- Public information meeting on August 28, 2018 to receive comments from the general public regarding Part 1 of the WHPP
- No comments on the Part 1 Wellhead Protection Plan were received at meeting



BARR Engineering, Inc. 3500 13th Avenue S.E. Fridley, MN 55425  
 Project: Fridley, MN - WHPA & DWSMA Amendment  
 Date: 10/11/2011









# 2008 WHPP

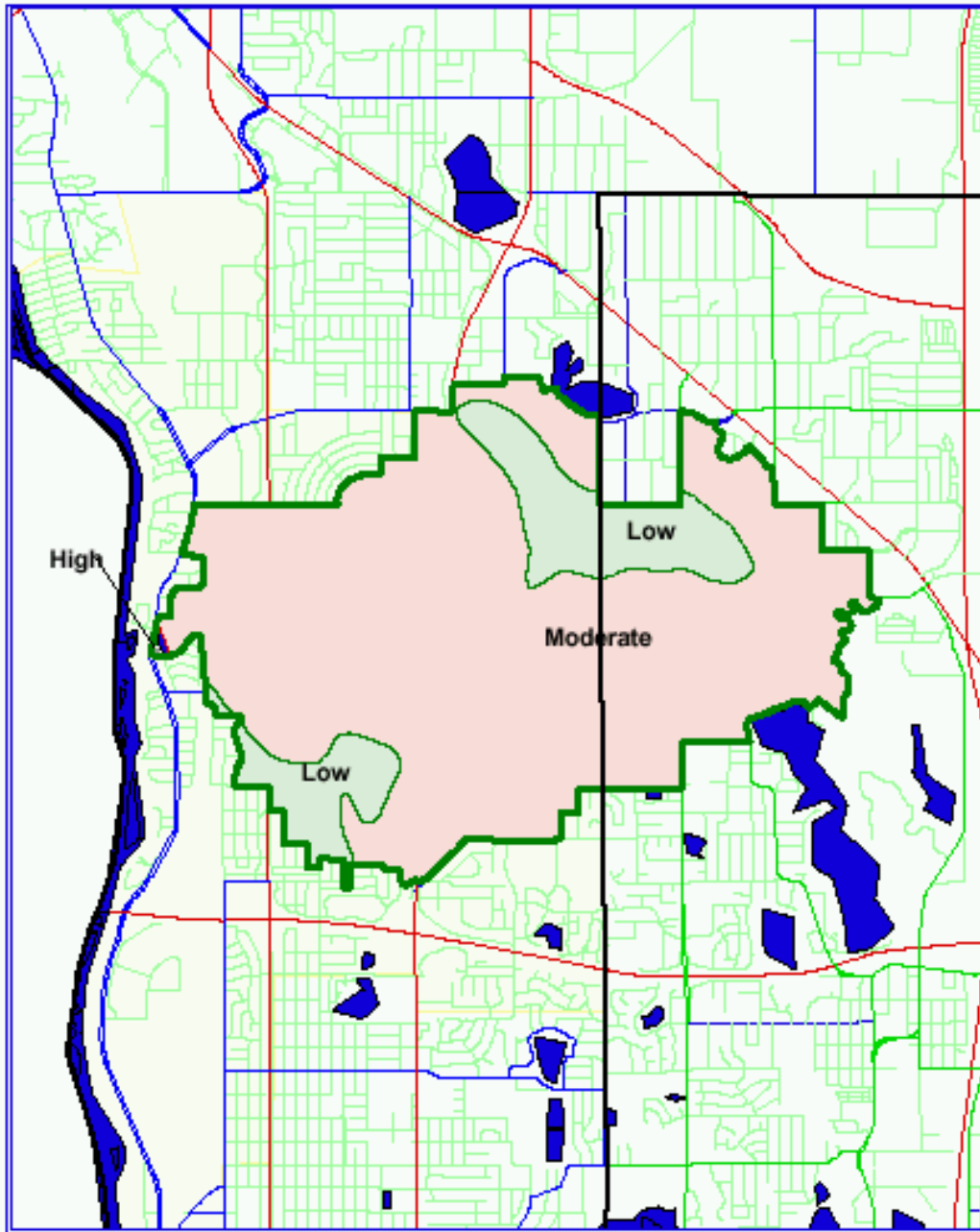


Figure 9. DWSMA Vulnerability  
City of Fridley, Minnesota



## Part 2: Implementation - Goals

- Work to maintain or improve water quality and continue to meet or exceed all drinking water standards.
- Work with the cities of Mounds View, New Brighton, and Spring Lake Park to protect our source water aquifers.
- Provide information and promote activities that protect the source water aquifers
- Continue to collect data to support future WHP efforts.

## Part 2: Actions - Wells

- Promote proper management of existing active wells in the DWSMA
- Encourage the proper sealing of all unused wells within the DWSMA
- Identification of new high capacity wells in or near the DWSMA
- Maintaining IWMZ (~200' radius) potential contaminant source inventories



## Part 2: Actions – Contaminant Sources

- Notifying owners of potential Class V well
- Encouraging proper handling of chemicals/wastes
- Encouraging proper operation and maintenance of storage tanks
- Tracking the status of brownfields sites and contaminant release sites in the DWSMA, periodically obtaining this information from regulating agencies

## Part 2: Actions – Public Education

- Annual Water Quality Report
- Wellhead Protection Program information on the City website
- Link to the Know the Flow website (<http://www.knowtheflow.us/>)
- Newsletter information related to wellhead protection
- Inclusion of wellhead and source water protection in the City's planning processes





## Part 2: Actions – Continued Data Collection

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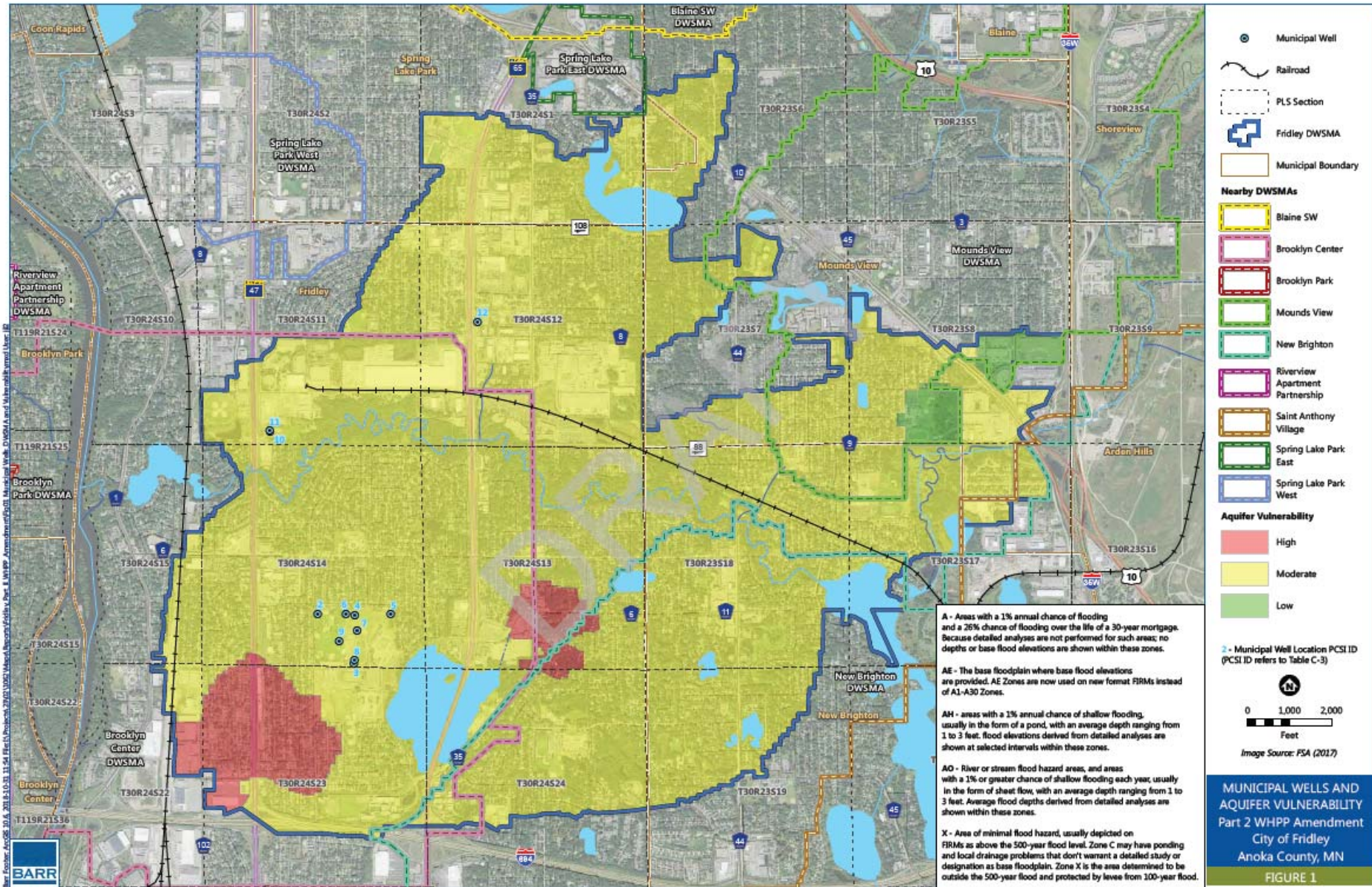
- Recording static and pumping water levels in the Fridley municipal wells
- Collection of additional local geologic and hydrogeologic data from public sources or projects.
- Sampling the City's municipal wells and surface water bodies for tritium and the stable isotopes

# Tonight's Public Hearing

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- Goal is to solicit any comment on the City's wellhead protection plan, including its efforts to protect its drinking water sources
- Two comments provided prior to the meeting are included in the City Council's packet
- If the Council so chooses after comments are received, an action item is provided which would submit the plan









Thank You!