



# MORA LAKE HIGH WATER MITIGATION APPROPRIATION

Joe Kohlgraf, Public Works Director

# REQUEST FOR FUNDING OVERVIEW

Proposed gravity outlet pipe project for  
Mora Lake

Costs approx. \$1.8M

Median household income \$32,000 less  
than State average

Include the project request in the 2023  
bonding budget



# MORA, MINNESOTA

County Seat in Kanabec County

70 miles north of Twin Cities

Highways 65 and 23 intersect in city

Population of 3,665

Median household income of \$41,929

Individuals below the poverty level is 16%

<https://data.census.gov/cedsci/>

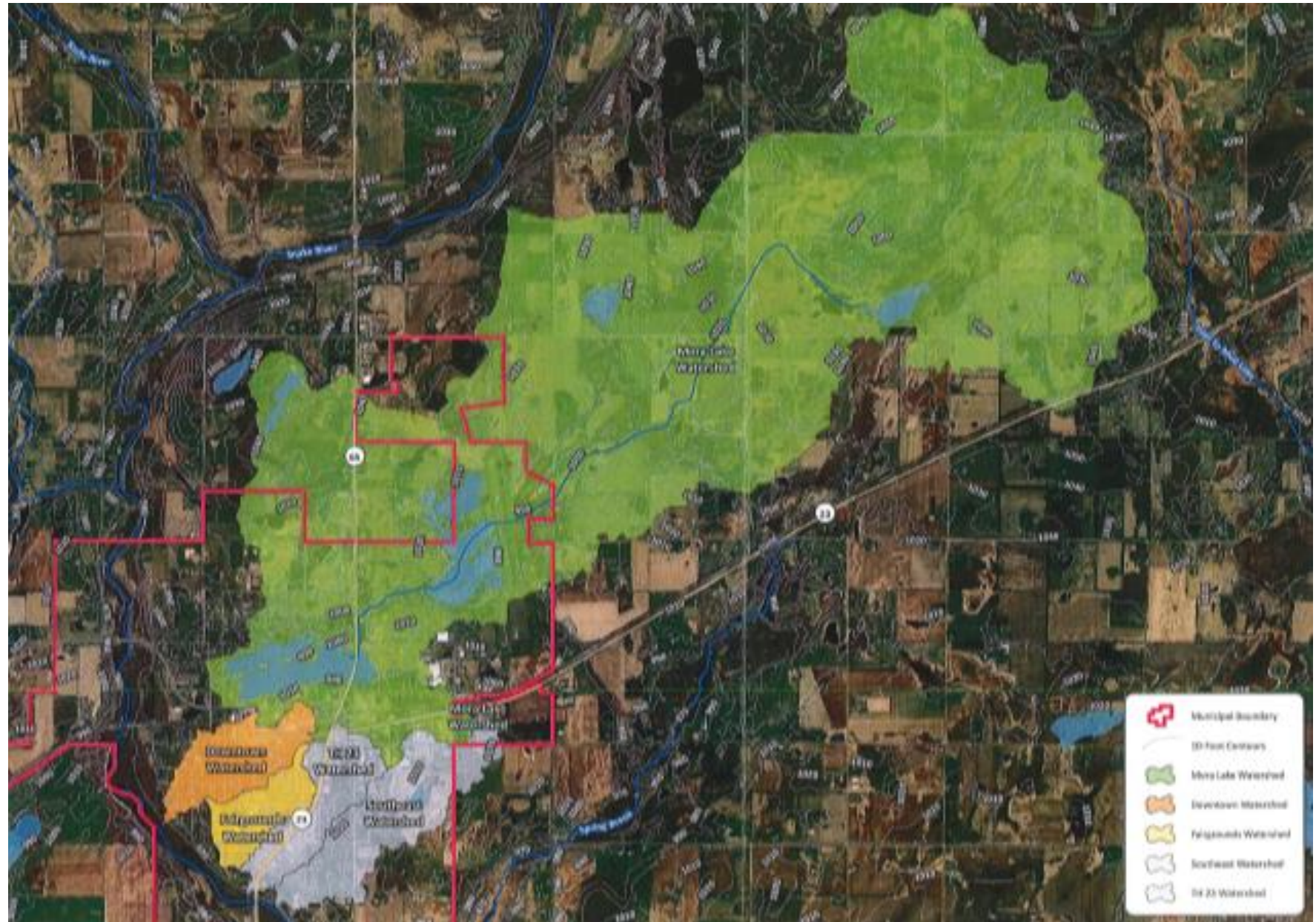


# MORA LAKE

Overall drainage area of approx. 7.2 sq. mi. which is mostly located outside of city

Lake has no natural gravity outlet and is surrounded by residential/commercial properties

Ordinary High Water Level (OHWL) of 983.9



# MORA LAKE

Lately the seasonally high-water level is approximately 986.0

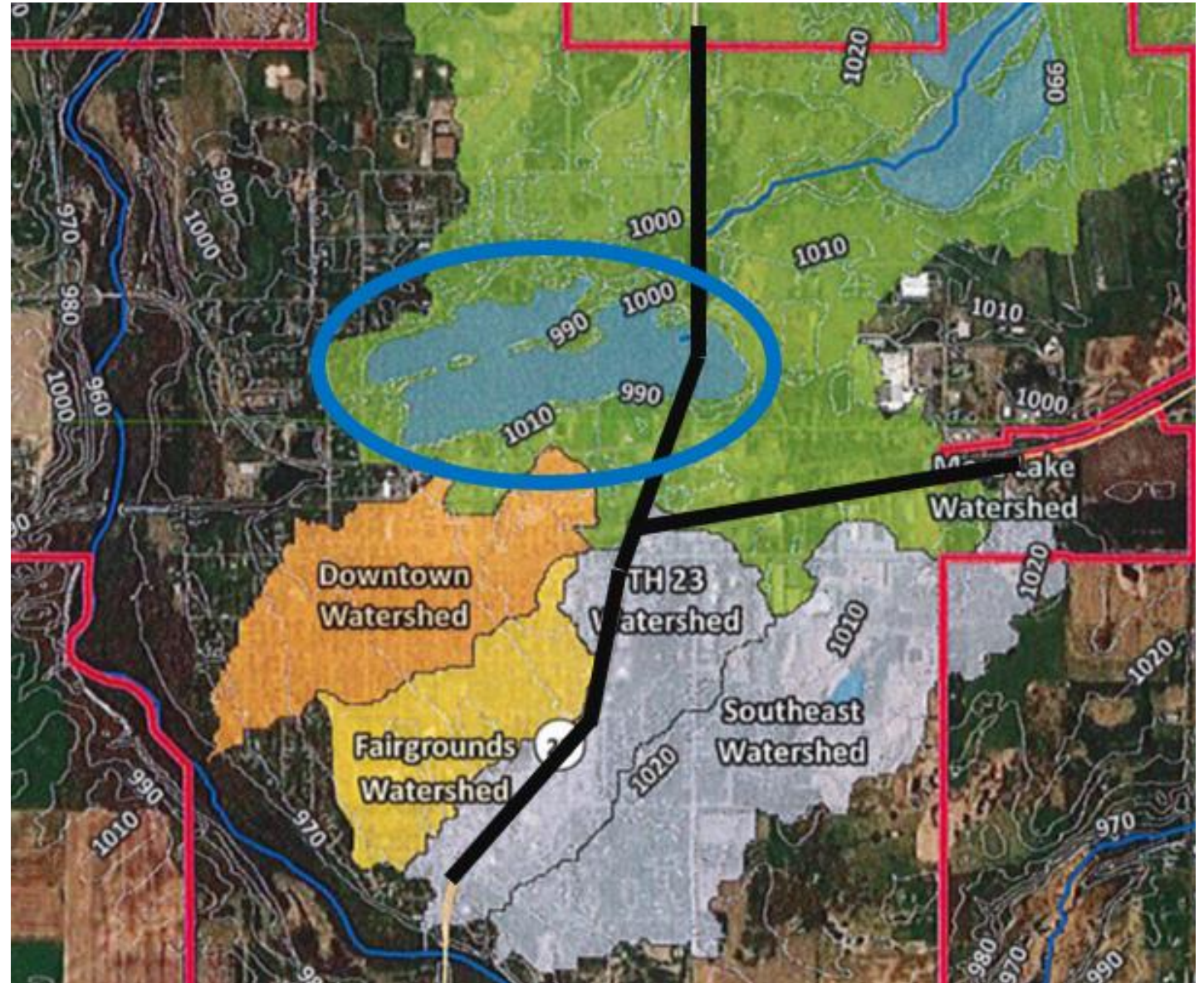
- Lack of rain this year helped

City's only power supply lines were sitting in water

- Recently relocated to alleviate power outages

Causes regular flooding for private property owners

Causes Highway 65 to occasionally be detoured at least two miles around the highway.



# JULY 2018 FLOOD



Entrance to Central Avenue neighborhood near Mora Lake,  
July 2018

Significant rainfall caused flooding incident throughout the city, especially Mora Lake area

Disaster Declaration (DR-4390)

Highway 65 closed for seven days causing a negative economic impact to local businesses

City obtained DNR permits to pump Mora Lake

# MORA LAKE OUTLET PROJECT ROUTE



# PROJECT BENEFITS

Lake maintained at OHWL

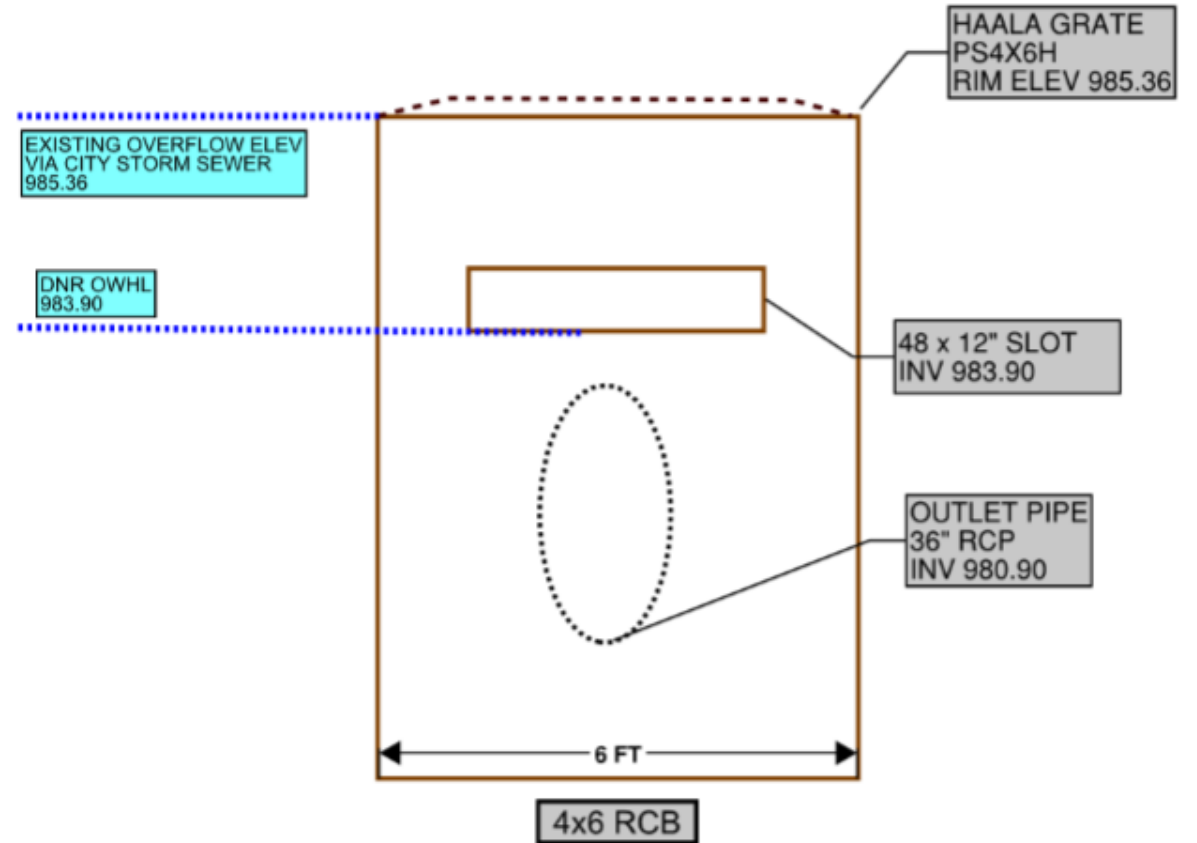
Property owners gain back property regularly submerged and won't risk sanitary sewer issues

MnDOT won't have to close the highway

Business owners won't lose business

Additional discharge to Snake River won't have a negative impact

Enhance recreational use of Mora Lake





# THANK YOU

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