

CITY OF MINNEAPOLIS

# Groundwater/Surface Water Coordination, November 30, 2017

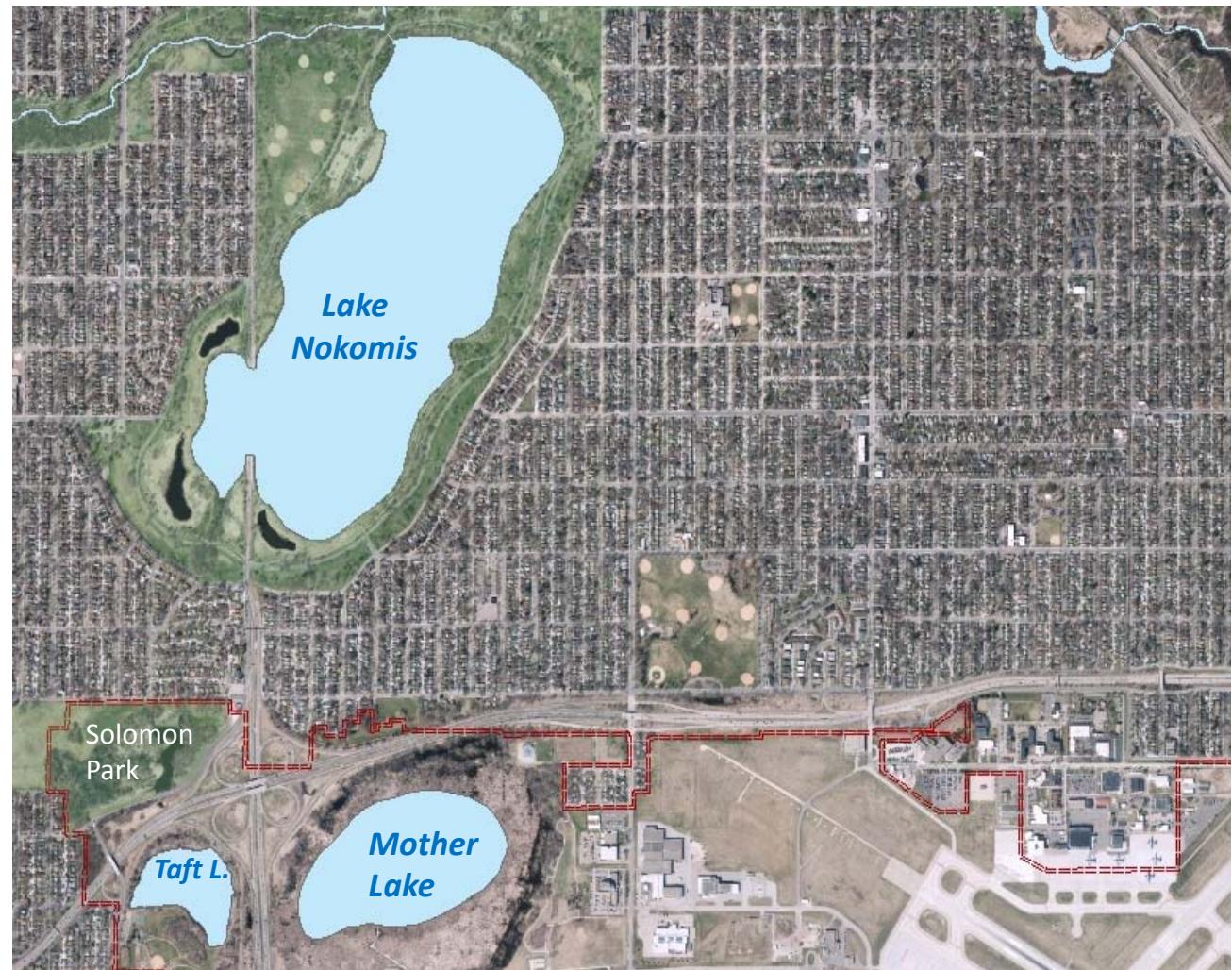
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Surface Water and Sewers Division Director  
City of Minneapolis Public Works



# Problem Definition

Concern for private/public property and infrastructure from real or perceived threat from rising groundwater levels and high surface water levels



----- City of Minneapolis Boundary

# Problem Definition

Need for common understanding of local groundwater and surface water hydrology



----- City of Minneapolis Boundary



# Problem Definition

Lack of central data repository and lack of coordinated framework to evaluate data, gaps, and further study



----- City of Minneapolis Boundary

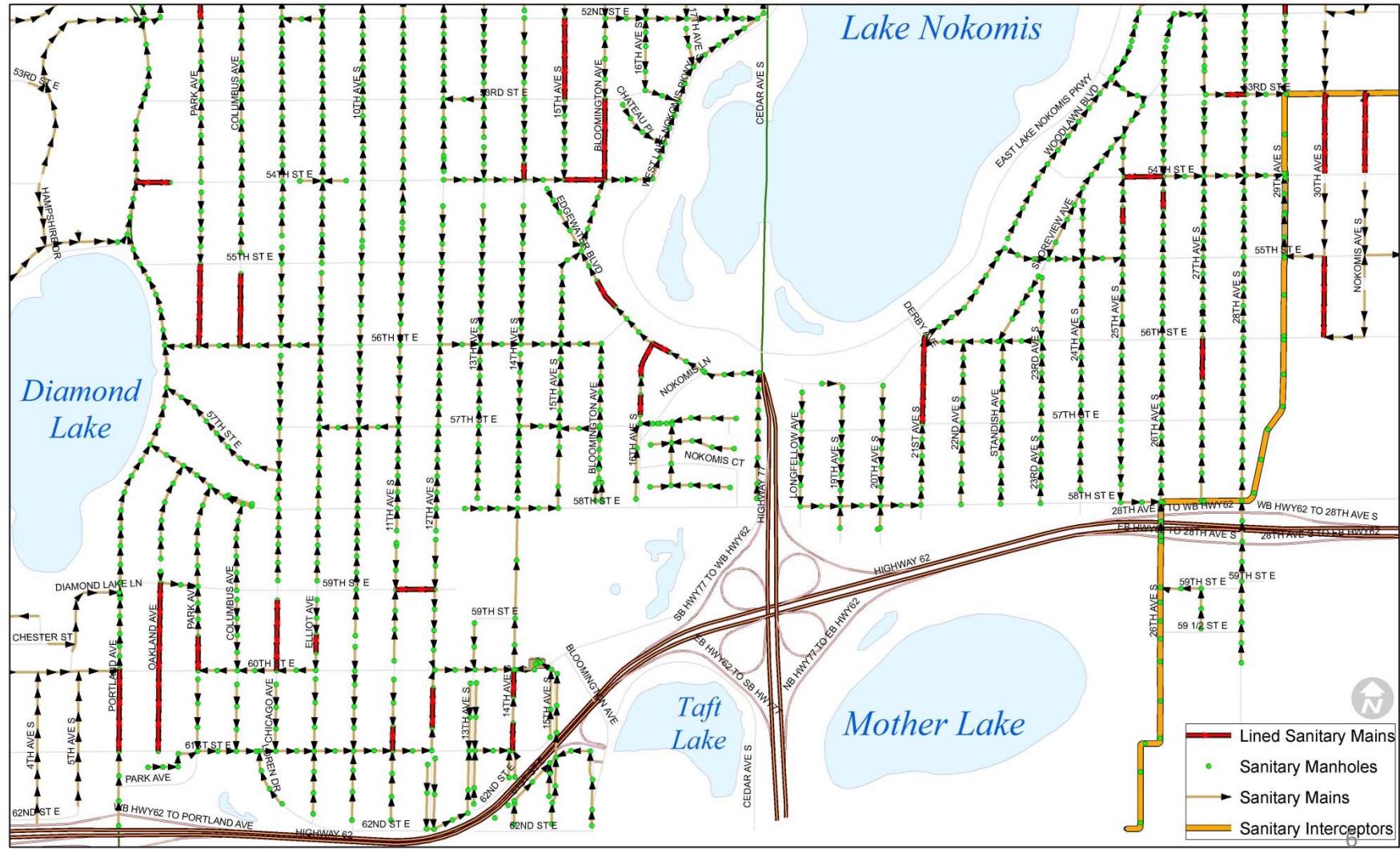
# Investigations/Actions by City of Minneapolis

- Partnered with MPRB to study pumping at Hiawatha Golf Course
- Met with residents, state, regional, local officials
- Televised pipes to assess condition of infrastructure
- Prioritized repairs/rehab based on condition
- Evaluated sink holes and prioritized repairs
- Partnered with MPRB to install 2 monitoring wells
- Developed XPSWM hydraulic model of stormwater system



## Investigations/Actions by City of Minneapolis

## Lined Pipe Segments from 1993



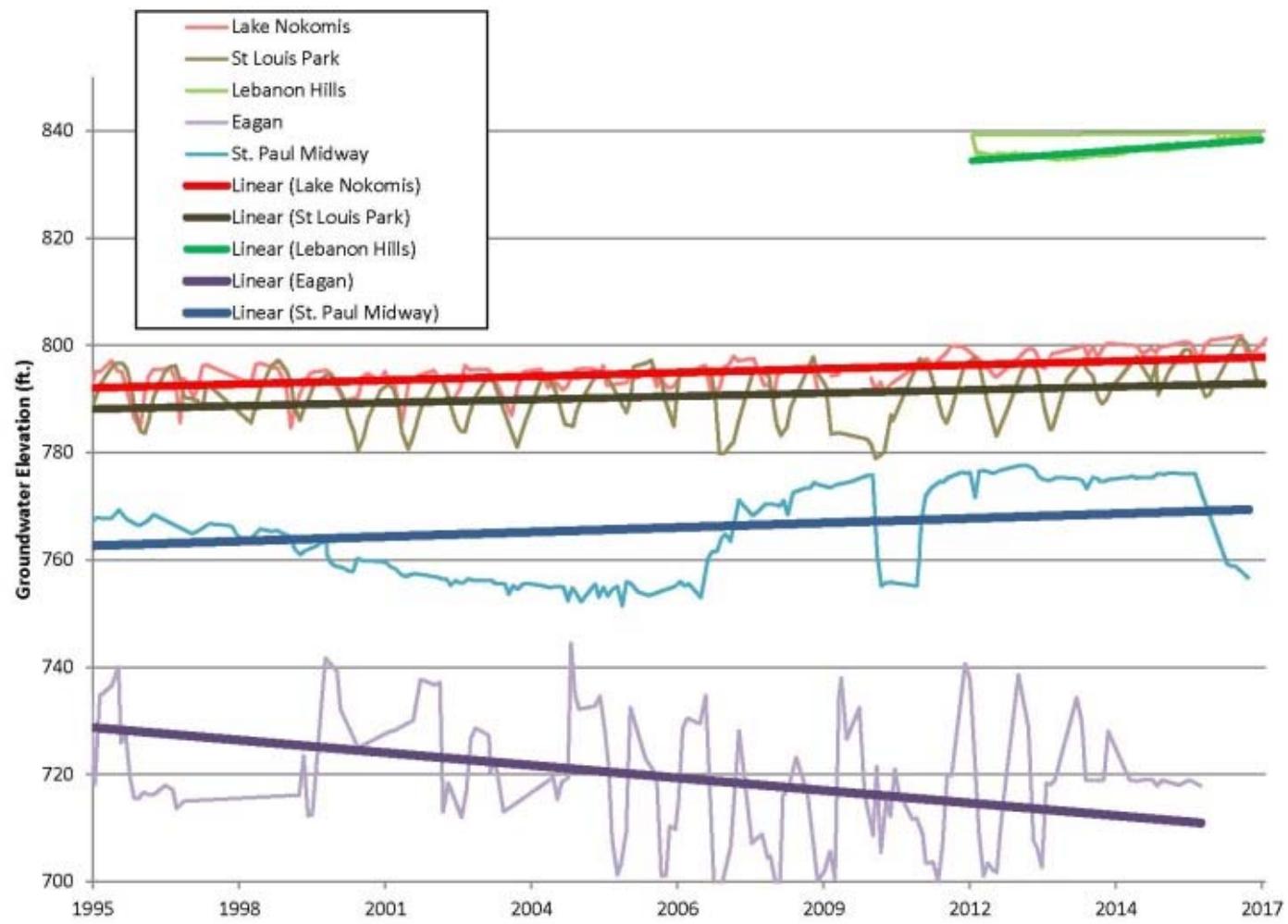
## Investigations/Actions by City of Minneapolis



# Investigations/Actions by City of Minneapolis



## Nokomis Observation Well (27036) vs. Nearby Observation Wells



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Thank you

