



NE Stormwater Management Initiative Ward 1 Community Forum

System Challenges and Opportunities

Aging infrastructure

- Asset management
- Increase capital and O&M

Flooding

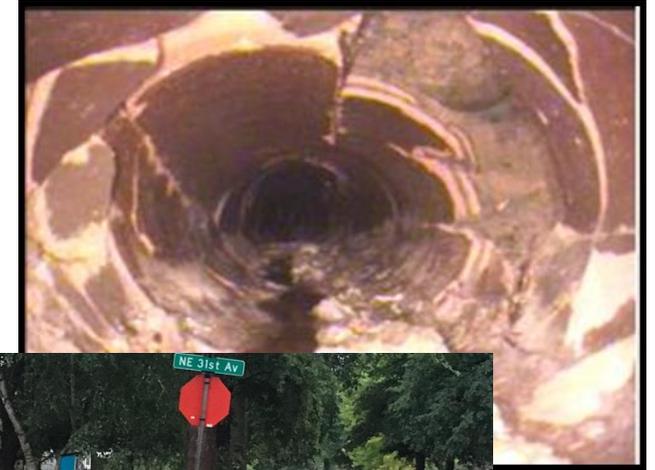
- Hydraulic models
- Pilot projects

Water quality goals

- Pipe shed/BMP model
- Integrated permit

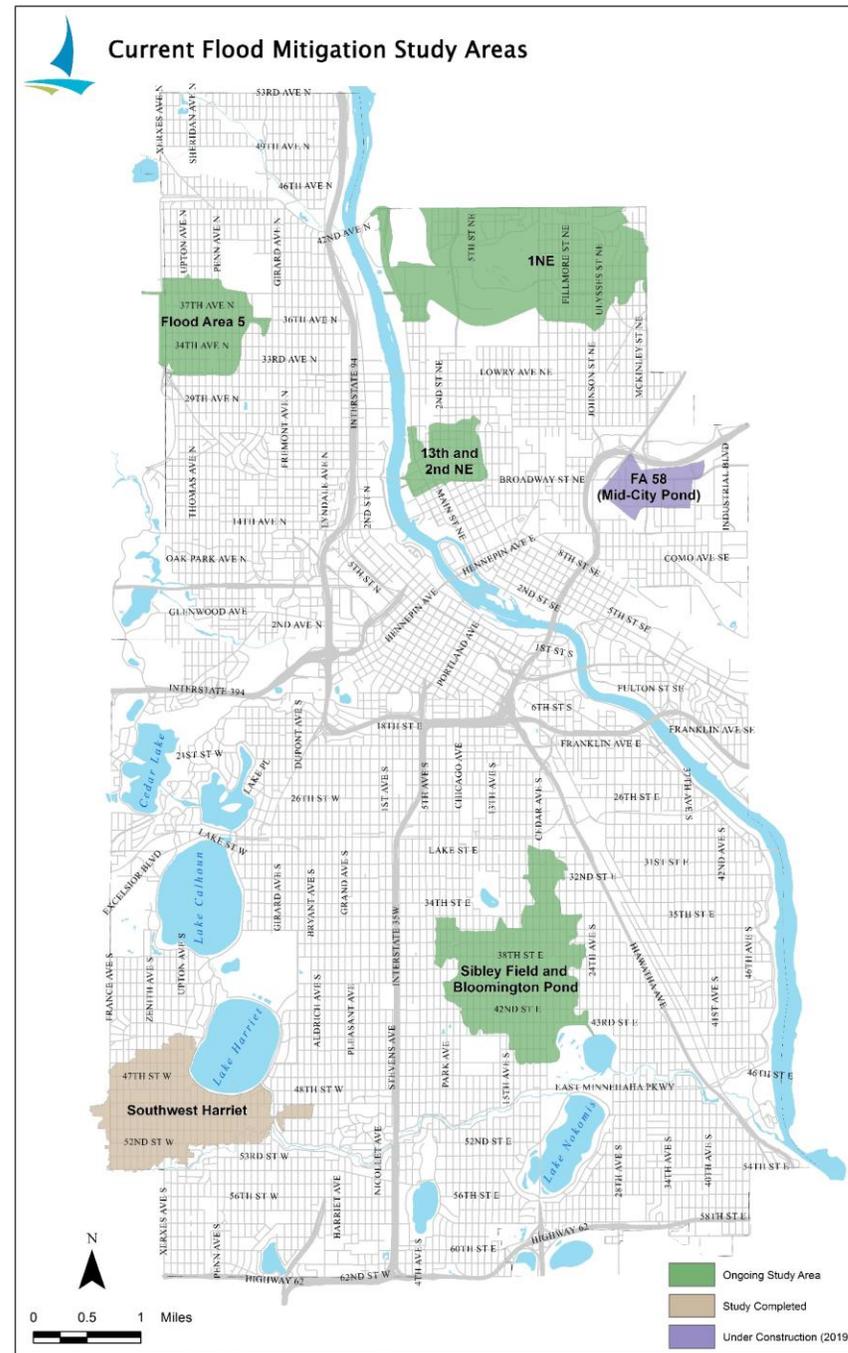
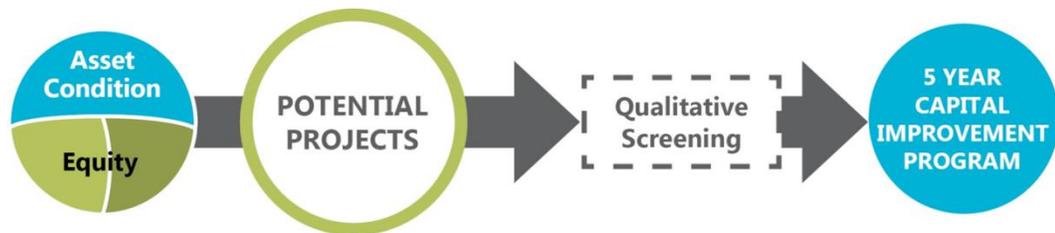
Maximize Public \$

- Leverage partnerships
- Data to drive decisions

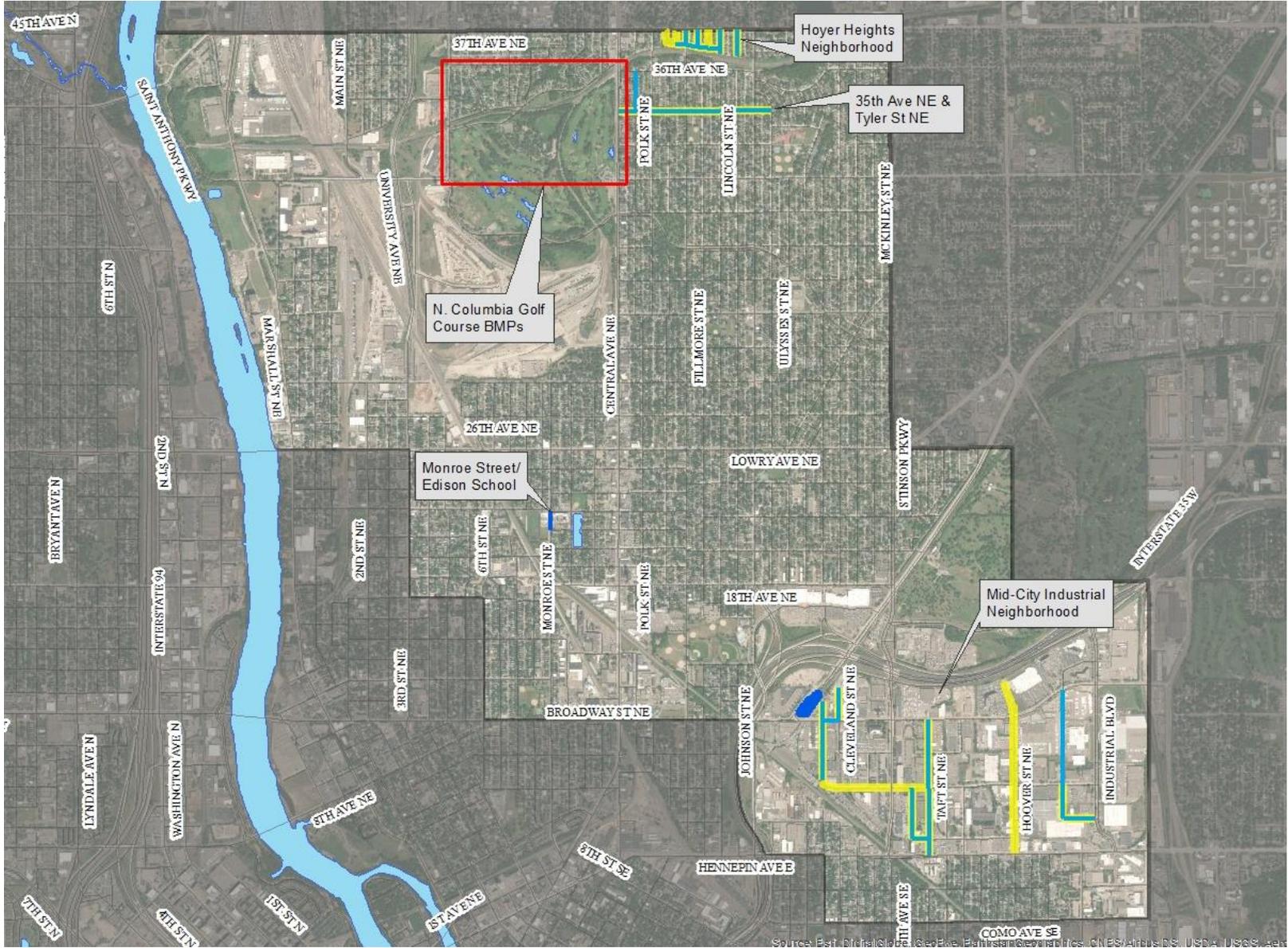


Stormwater Pilot Projects

- Utilize modeling results considering;
 - Flooding risks
 - Water quality
 - Infrastructure condition
 - 20 year street capital improvement program
 - Equity
- Prioritize and implement solutions



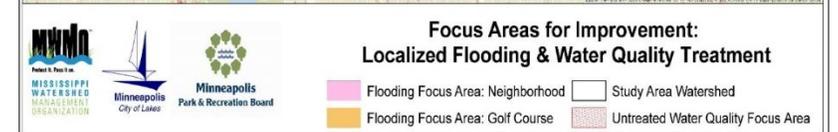
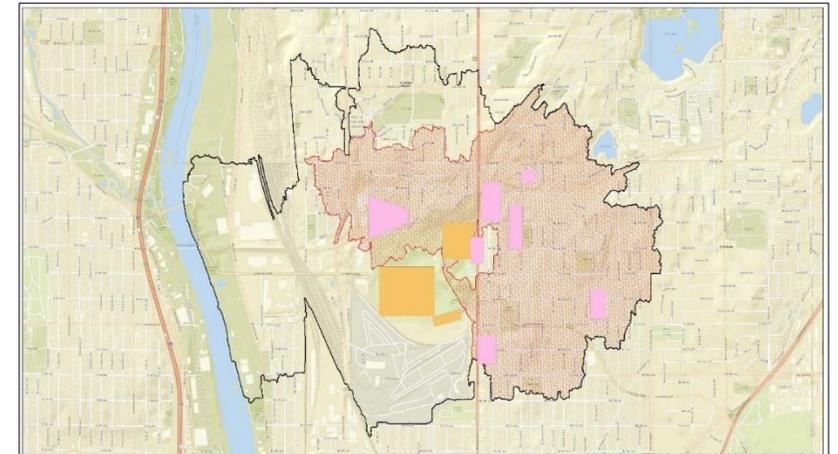
Ward 1 Stormwater Projects



Source: Esri, DigitalGlobe, GeoEye, Earthstar, GeoEye, IGN, Aerotech, Earthstar, CNES/Airbus DS, USDA, USGS, Aero

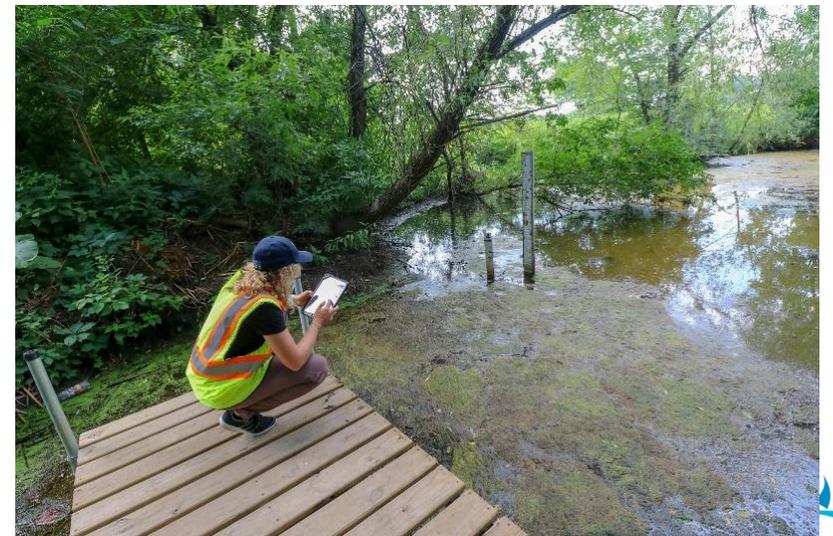
Northeast Stormwater Initiative

- Focused on 2,150-acre watershed in NE Mpls and Columbia Heights
- Joint project between MWMO, Mpls and MPRB
- Initiative goals:
 1. Improving stormwater management;
 2. Increasing flood resiliency;
 3. Reducing pollutant loading to the Mississippi River; and
 4. Improving ecological function.



Work-to-Date & Project Timelines

- 2016-present: Watershed-Scale Planning
- 2017-2018: MPRB Master Planning
- 2019-2021: Phase I Capital Projects
 - N Columbia Golf Course BMPs
 - Hoyer Heights Tree Trenches
 - 35th Ave NE Tree Trenches
- 2018-XXXX: Groundwater / Surface Water Monitoring in Southern Watershed
- Future: Additional Project Planning and Capital Projects





- PARKING WITH UNDERGROUND STORMWATER STORAGE
- REFRIGERATED ICE RINK AND OUTDOOR ROLLER RINK
- WALKING TRAIL TO NEIGHBORHOOD
- NATURAL AREA: PRAIRIE RESTORATION
- MULTIUSE TRAIL
- IMPROVED PLAY AREA
- MULTIUSE FIELD
- NATURAL AREA: STORMWATER AMENITY
- MAINTENANCE ROAD ACCESS GATE
- HEATED RESTROOM & CHANGING ROOM
- TERRACED SEATING
- CIRCUIT NATURE PLAY
- PICNIC PAVILION
- BASKETBALL
- NE MAINTENANCE FACILITY
- RENOVATED PICNIC AREA
- RENOVATED CLUBHOUSE
- TRAILSIDE AMENITY AREA
- ENHANCED WALKING TRAILS
- 18 HOLE GOLF COURSE
- DRIVING RANGE
- LAKE SANDY
- GOLF LEARNING CENTER AND WINTER WARMING HUT
- REGIONAL TRAIL ROUTE
- PICNIC PAVILION
- REALIGNED PARKING LOT
- ART WALK
- ARCHERY RANGE
- DOG PARK
Modified to include separate large and small dog areas

COLUMBIA PARK

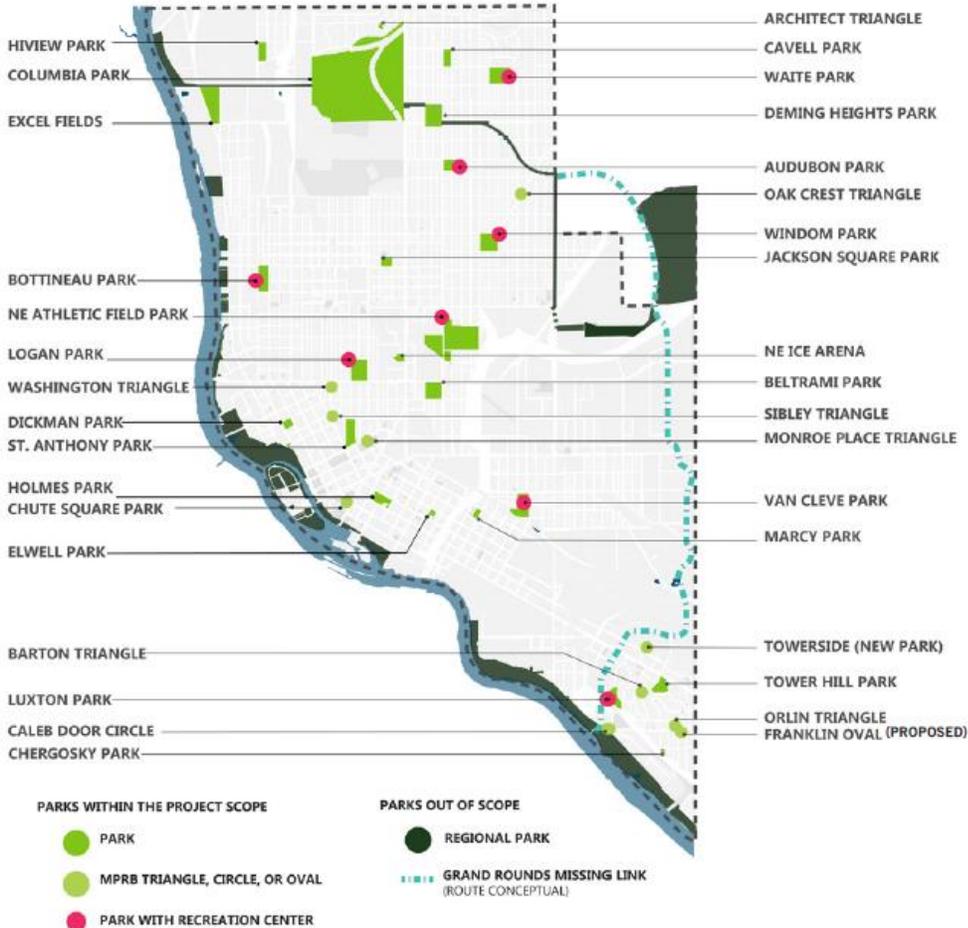


FIGURE 2 | NEIGHBORHOOD PARKS AND TRAILS INCLUDED IN MASTER PLAN

Stay Informed

Upcoming Meetings	Date
Columbia Park Neighborhood Association	August 19, 2019
Waite Park Community Council	TBD
Audubon Neighborhood Association	TBD
Shoreham Yards Committee	TBD
Central Ave Business District	TBD

Subscribe to Updates at: mwmo.org/northeast

Thank you!

Kelly Moriarity, PE; City of Minneapolis, Principal Professional Engineer

Kelly.Moriarity@minneapolismn.gov

Lisa Goddard, PE; City of Minneapolis, Professional Engineer

Lisa.Goddard@minneapolismn.gov

Stephanie Johnson, PhD, PE; MWMO, Projects & Outreach Director

sjohnson@mwmoo.org

Marcy Bean, PLA; MWMO, Capital Projects & Stewardship Specialist

mbean@mwmoo.org

Carrie Christensen; Minneapolis Park and Recreation Board, Senior Planner

Cchristensen@minneapolisparcs.org

