

Flooding is a chronic problem in the area

Flooding has been a chronic issue in the area around Medicine Lake Road and caused damage to homes on DeCola Ponds in 1978. Since then, numerous storms have caused flooding of structures around the ponds and, at times, have made Medicine Lake Road (east of Winnetka) impassable for emergency vehicles.



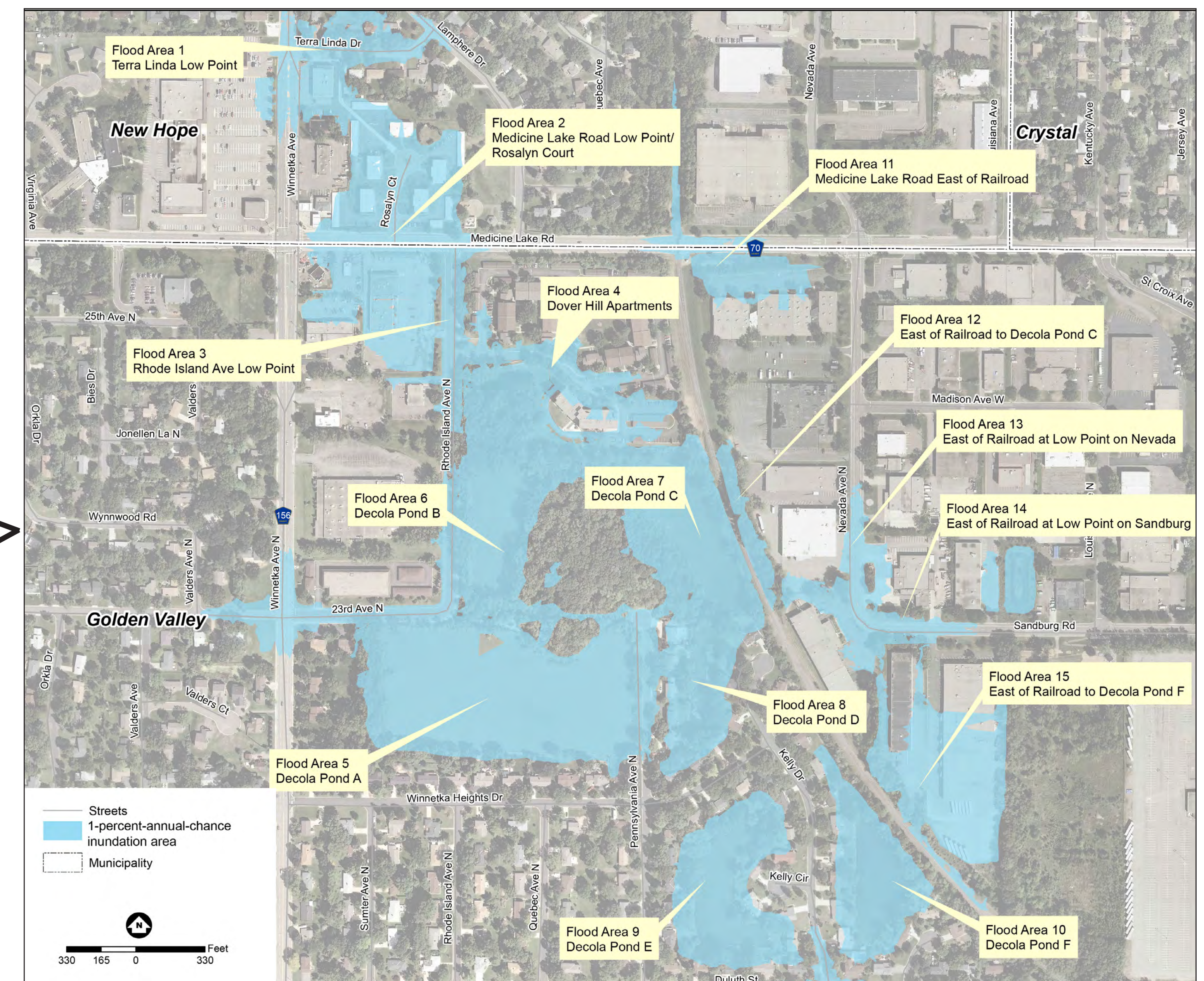
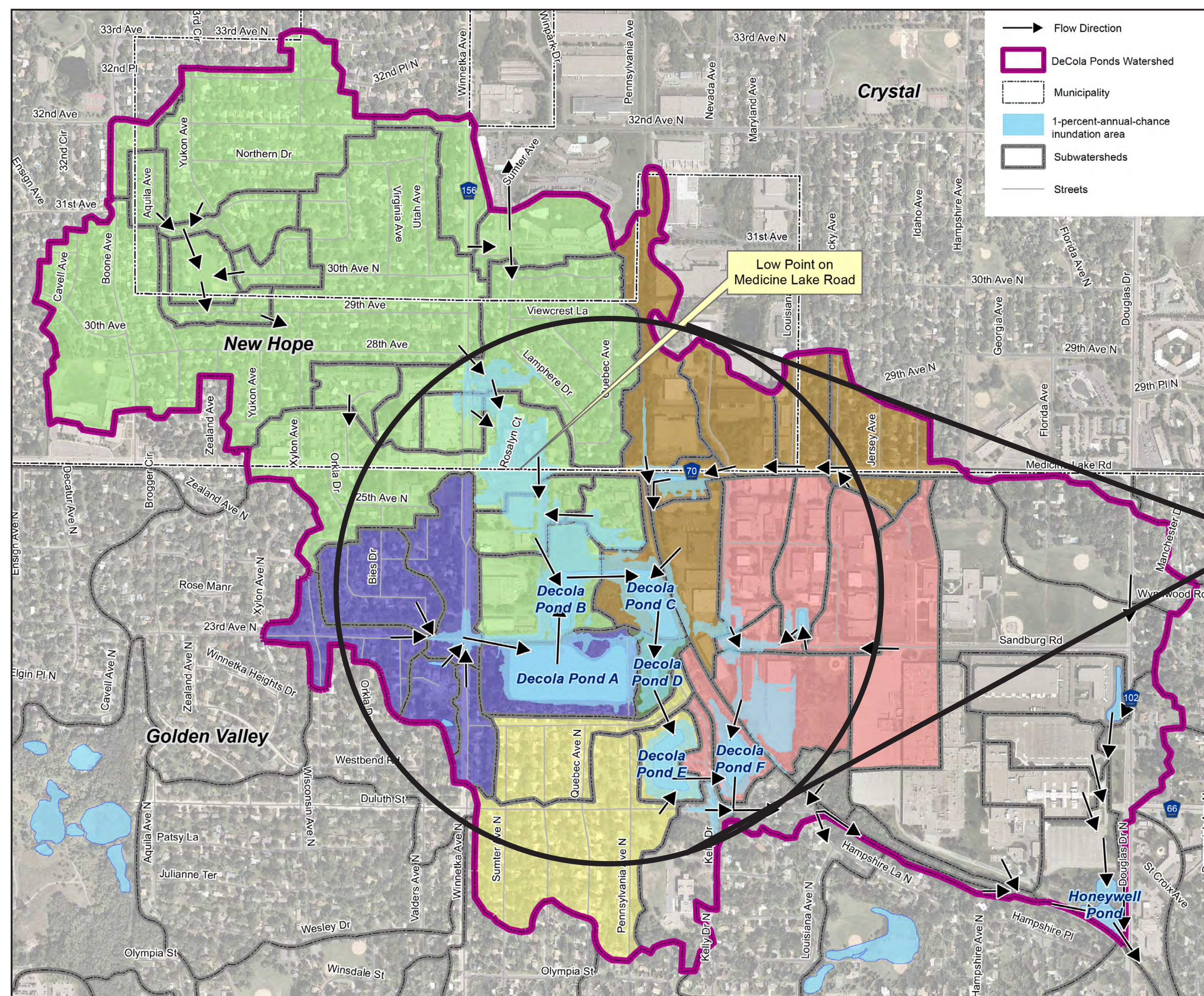
Flooding at Terra Linda Drive



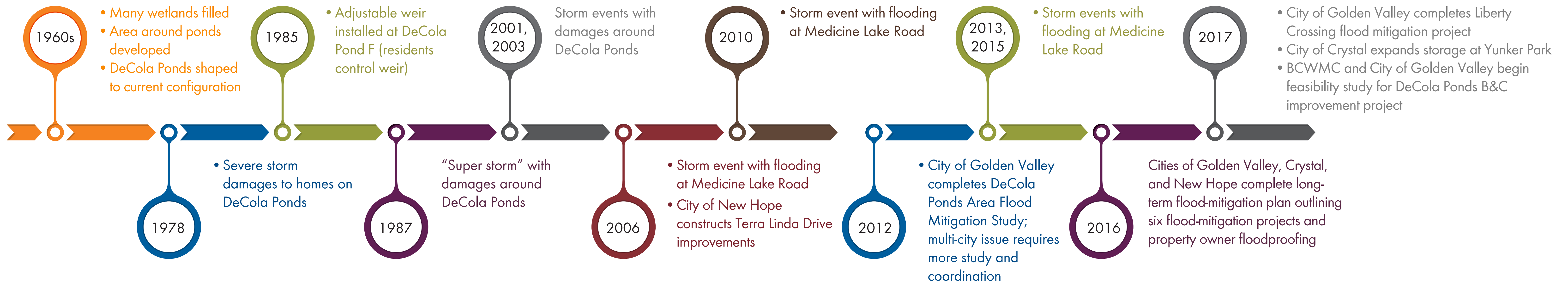
Residential flooding around the DeCola Ponds



Debris line from standing water at Medicine Lake Road in 2015



History of flooding and mitigation efforts to date



Long-term flood mitigation projects

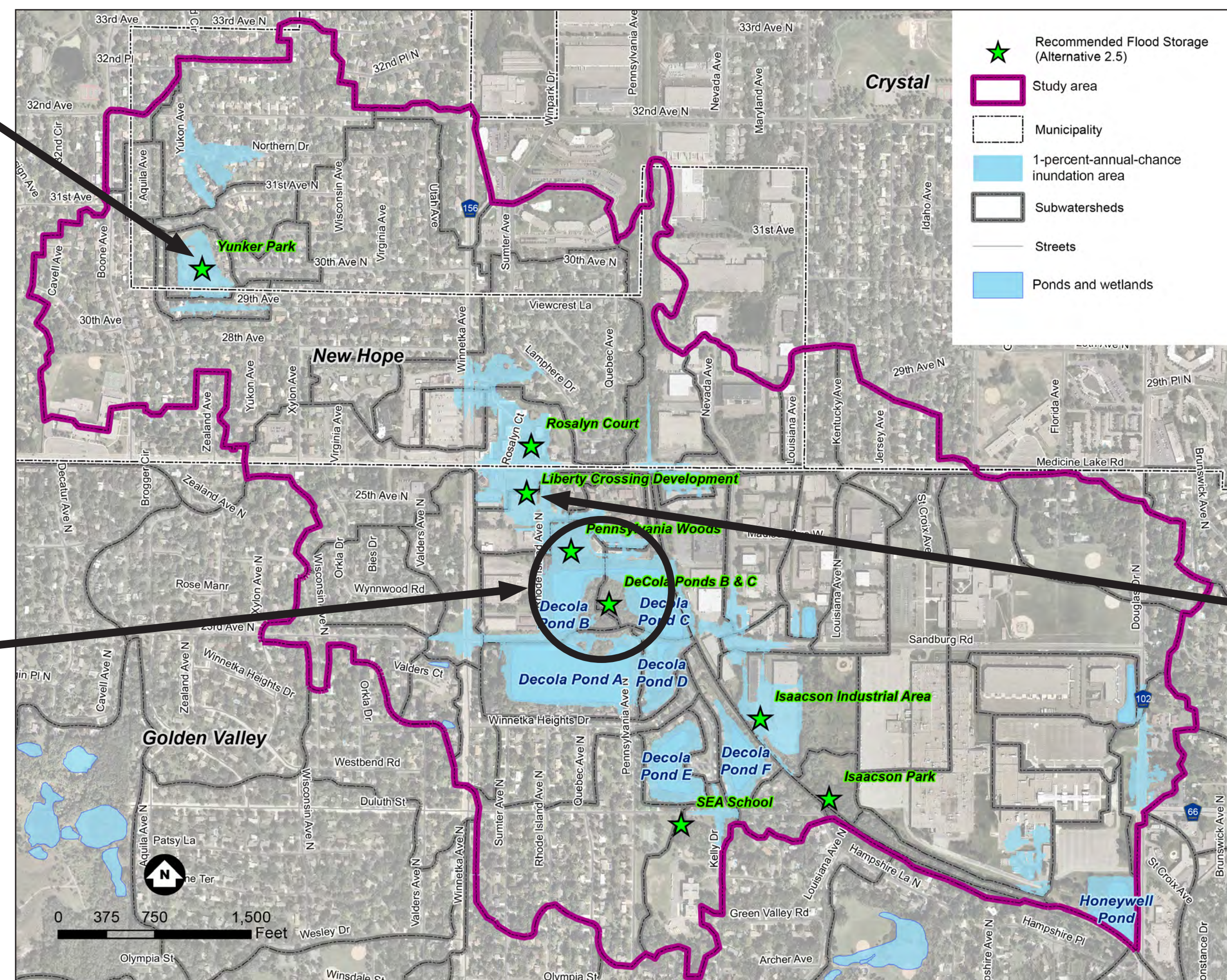
Total flood-mitigation volume in the long-term flood-mitigation plan: 68.4 acre-feet

Liberty Crossing flood mitigation project | 2017

(City of Golden Valley develops approximately 8 acre-feet of surface and subsurface flood storage)

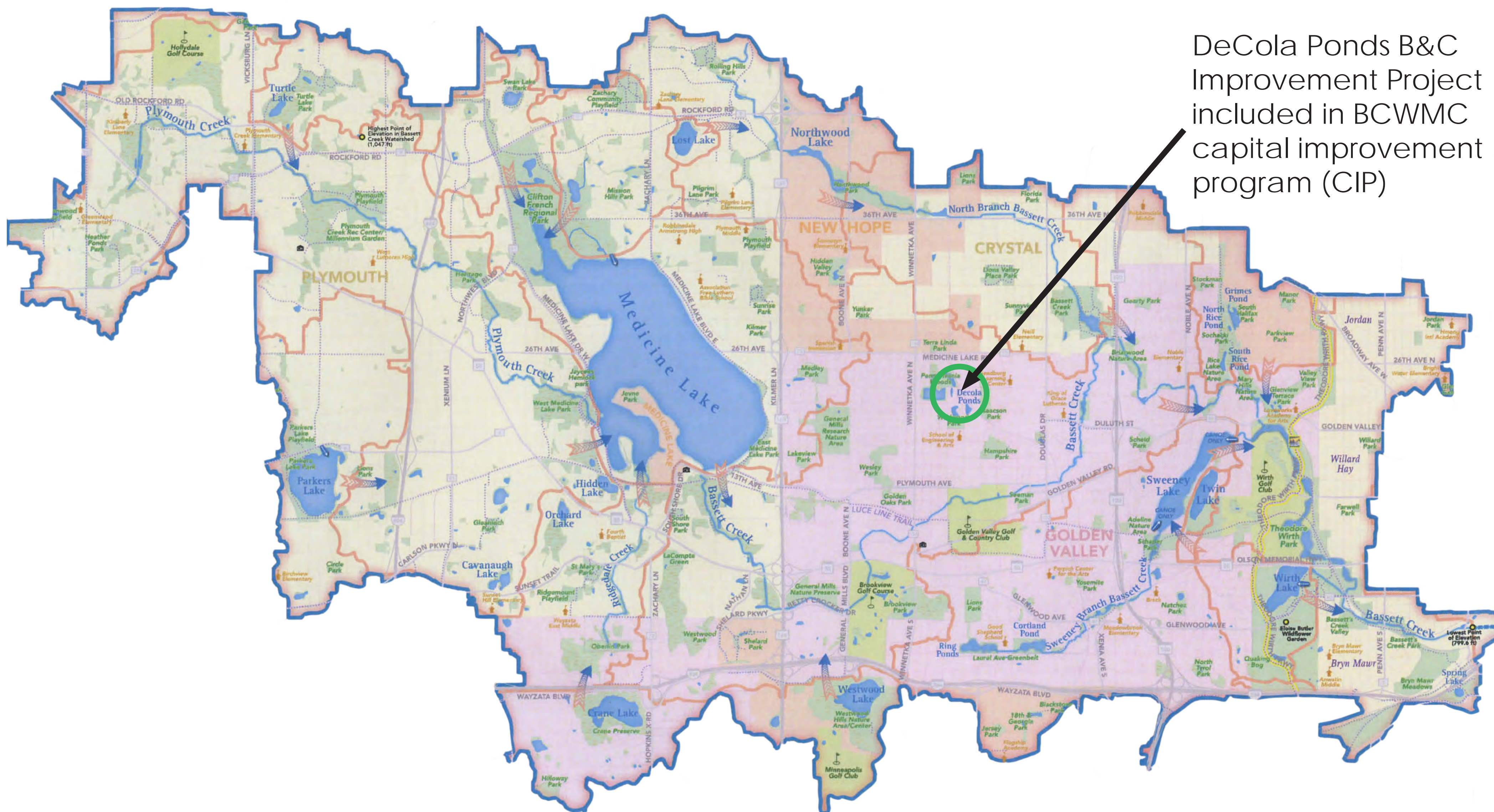
City of Crystal expands storage at Yunker Park (completed in 2017)

BCWMC DeCola Ponds B&C improvement project in partnership with the City of Golden Valley



About the Bassett Creek Watershed Management Commission (BCWMC)

The vision: stewardship of water resources to protect and enhance our communities



DeCola Ponds B&C Improvement Project included in BCWMC capital improvement program (CIP)

About the BCWMC

- **Regional government organization** formed in 1969 to focus on flood control along Bassett Creek
- **Operates under 1982 Metropolitan Surface Water Management Act**
- **Focused on providing flood management and improving and protecting the water quality** of Bassett Creek and lakes/streams
- **Nine member cities:** Minneapolis, Golden Valley, Plymouth, Crystal, New Hope, Robbinsdale, St. Louis Park, Minnetonka, Medicine Lake
- **Area:** approximately 40 square miles

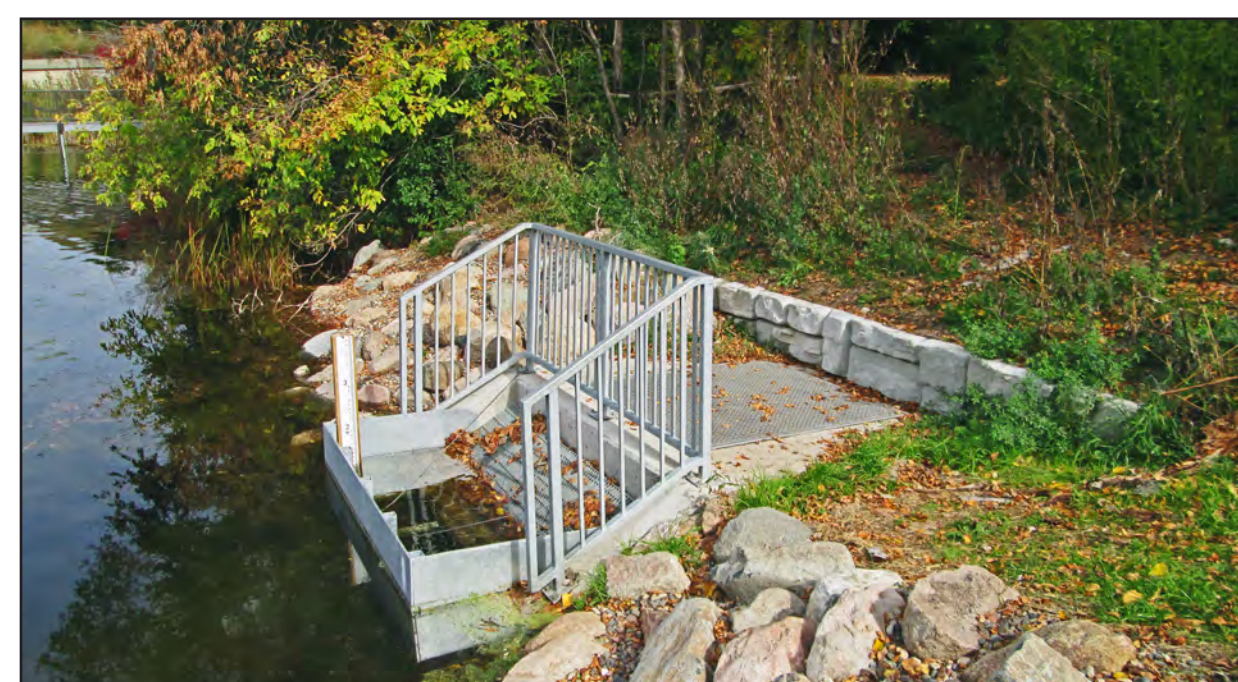
Commission funding

- Contributions from nine member cities (approximately \$500,000 per year)
- Hennepin County tax levy for major projects (approximately \$1.3 million per year)
- Grant funds and permit fees (varies)

Commission activities

- Implements capital improvement projects that reduce flooding and improve lakes, streams, and wetlands throughout the watershed
- Monitors water quality, performs studies, maps resources
- Provides water resource education
- Provides watershed-wide coordination of activities and watershed "point of contact" for all stakeholders

EXAMPLE BCWMC CIP PROJECTS



Wirth Lake outlet

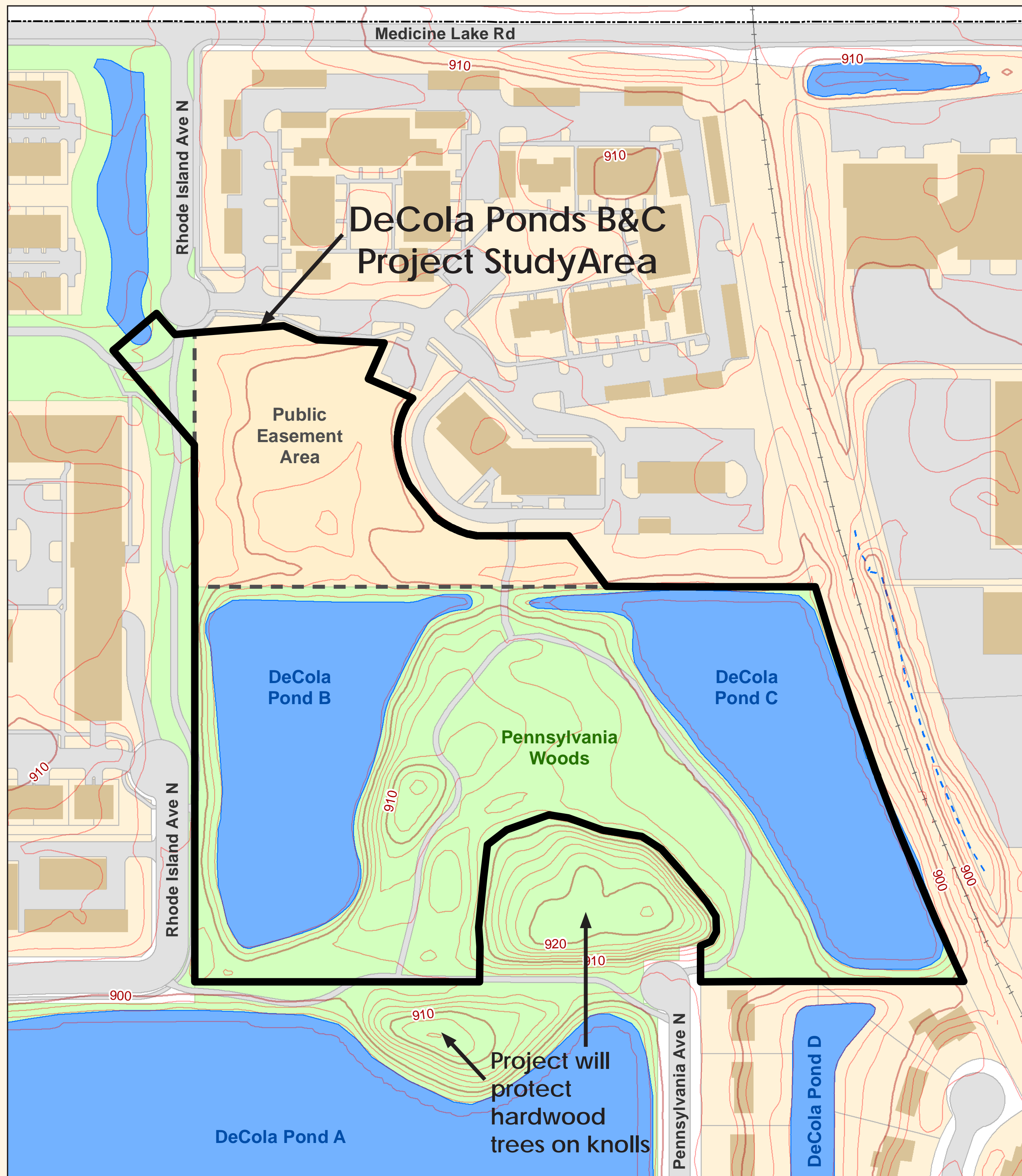


Bassett Creek main stem restoration (before and after)

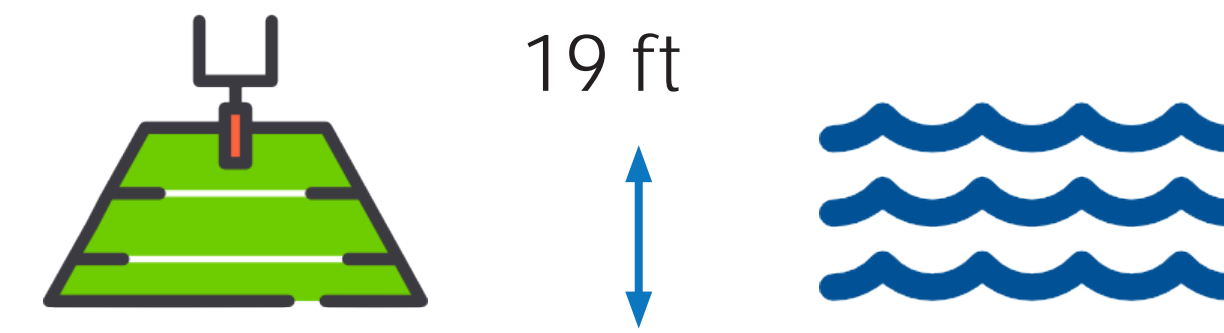


The DeCola Ponds B and C Improvement Project

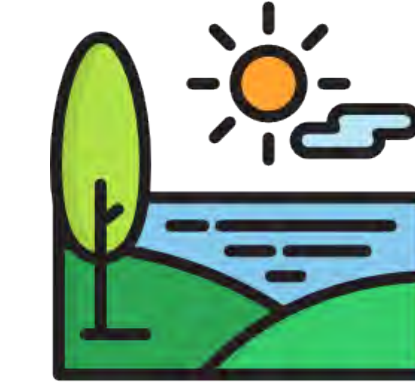
Project study area:



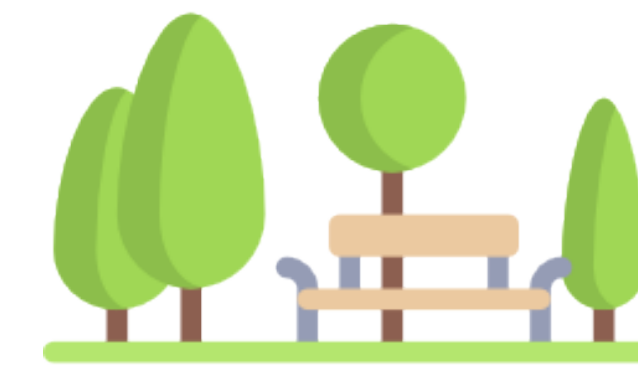
Project goals:



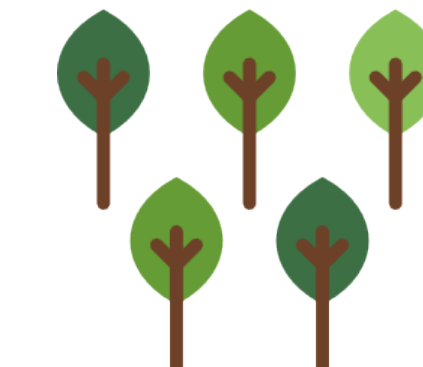
Reduce damages and improve public safety by developing 20–25 acre-feet of **flood storage**—that’s 19 feet of water over an entire football field!



Water quality improvement, outlet modifications, **sediment removal**, and habitat restoration.

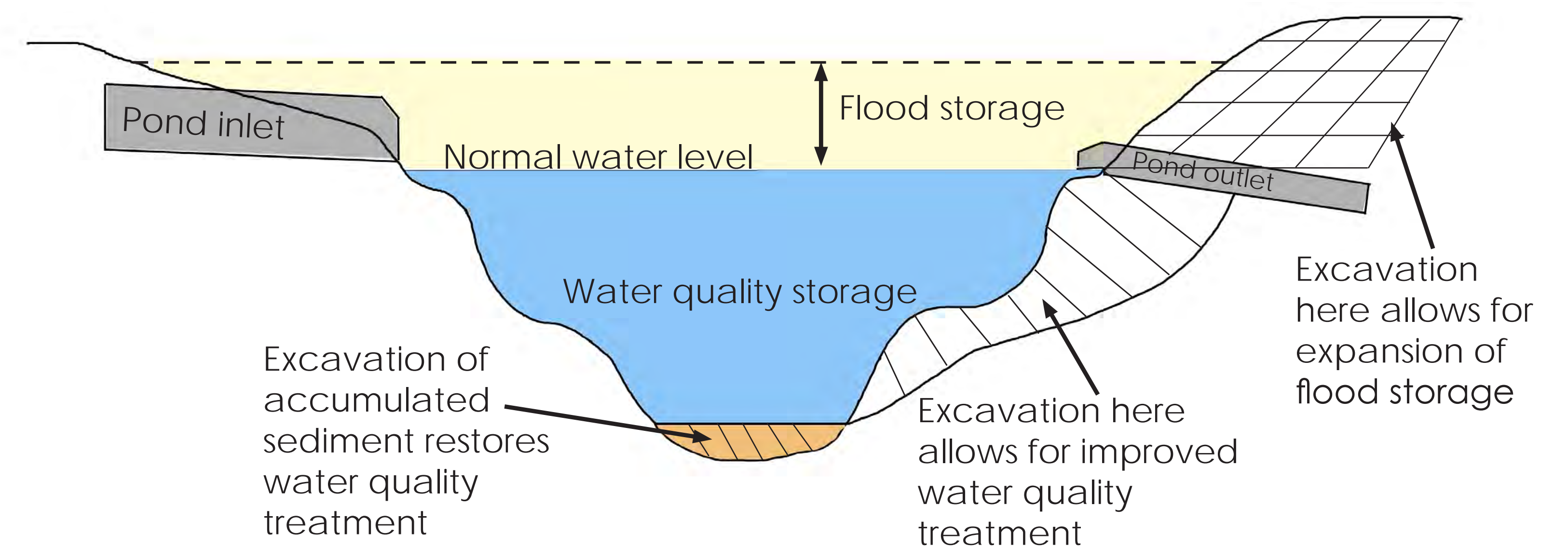


Preserve recreational use and improve park user experience.



Tree removal will be required to **achieve flood storage and water quality improvements**; but, the goal is to preserve significant hardwoods in the area and restore vegetation.

How do you create flood and water quality storage?



Other issues in Pennsylvania Woods and around DeCola Ponds B&C

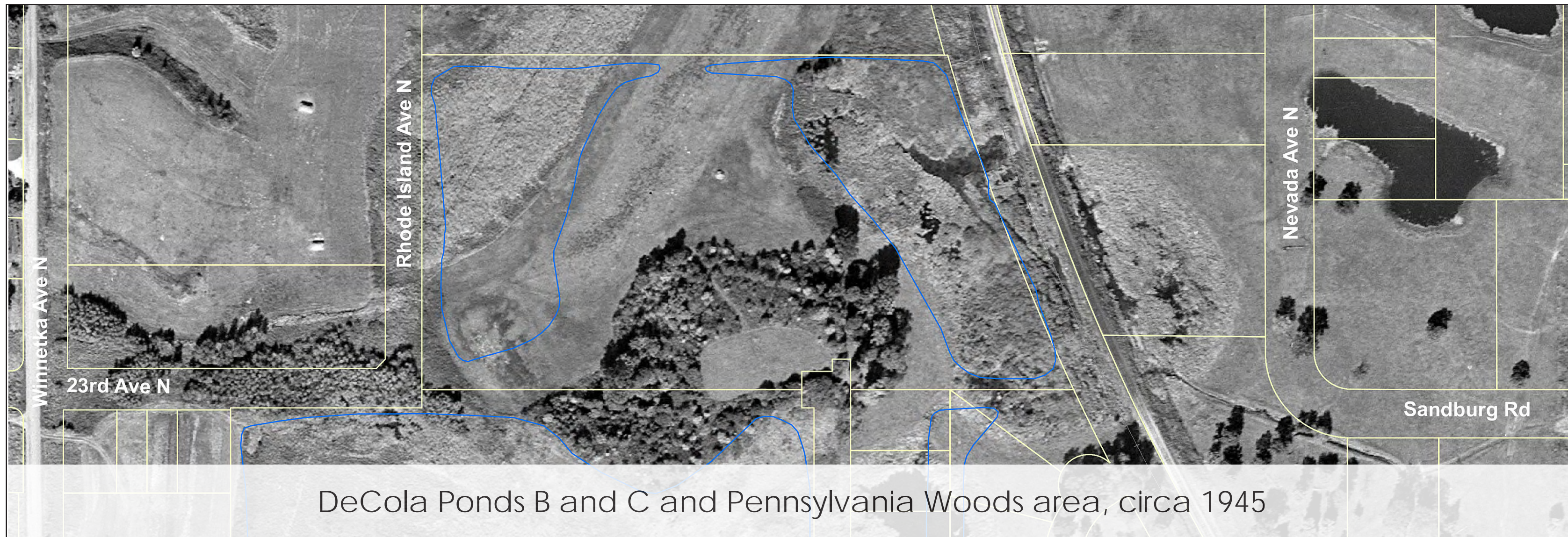


Downed trees and exposed soils in channel, debris blocking outlet, and accumulated sediment at storm sewer outfall to DeCola Pond B

Downed trees and debris in park, unauthorized use, low-quality vegetation (significant buckthorn)

The DeCola Ponds B and C Improvement Project

How should this area be restored?



DeCola Ponds B and C and Pennsylvania Woods area, circa 1945



Project cost:

Planning-level cost estimate: \$4.6 million

Potential funding sources:

- Bassett Creek Watershed Management Commission
- Minnesota Department of Natural Resources—Flood Damage Reduction Grants
- Hennepin County
- City of Golden Valley
- Other Grants

Timeline:

- Feasibility study: 2017–2018
 - Public Open House to gather input: November 2017
 - Develop concept plans: Winter 2017–2018
 - Public Open House to present concepts: Spring 2018
 - Complete study: Summer 2018
- Design of preferred alternative, additional community engagement, construction: 2018–2020

We need to hear from you!

Please take the time to:

- Talk with staff
- Fill out comment cards
- Mark up map in center of the room

