

Ecosystem Health Action Plan

Technical Advisory Panel

Workshop # 1

May 18, 2023

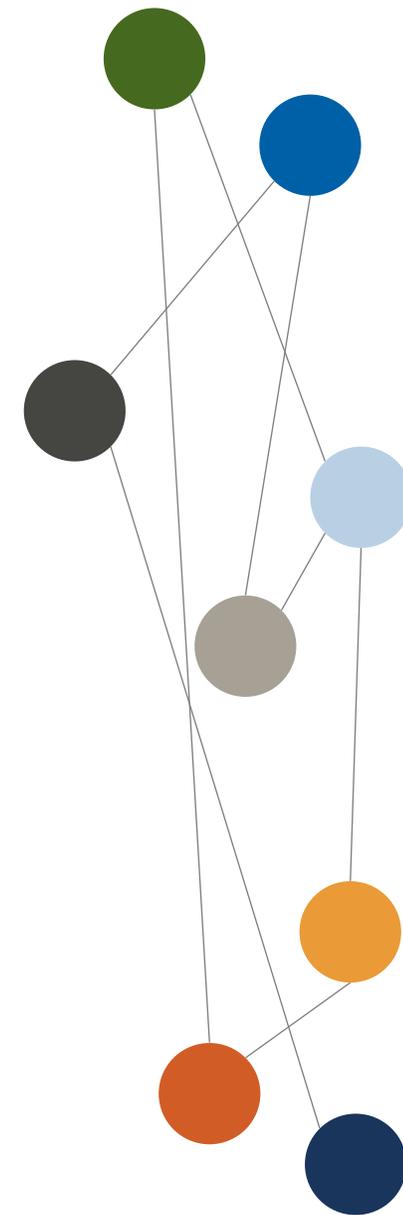




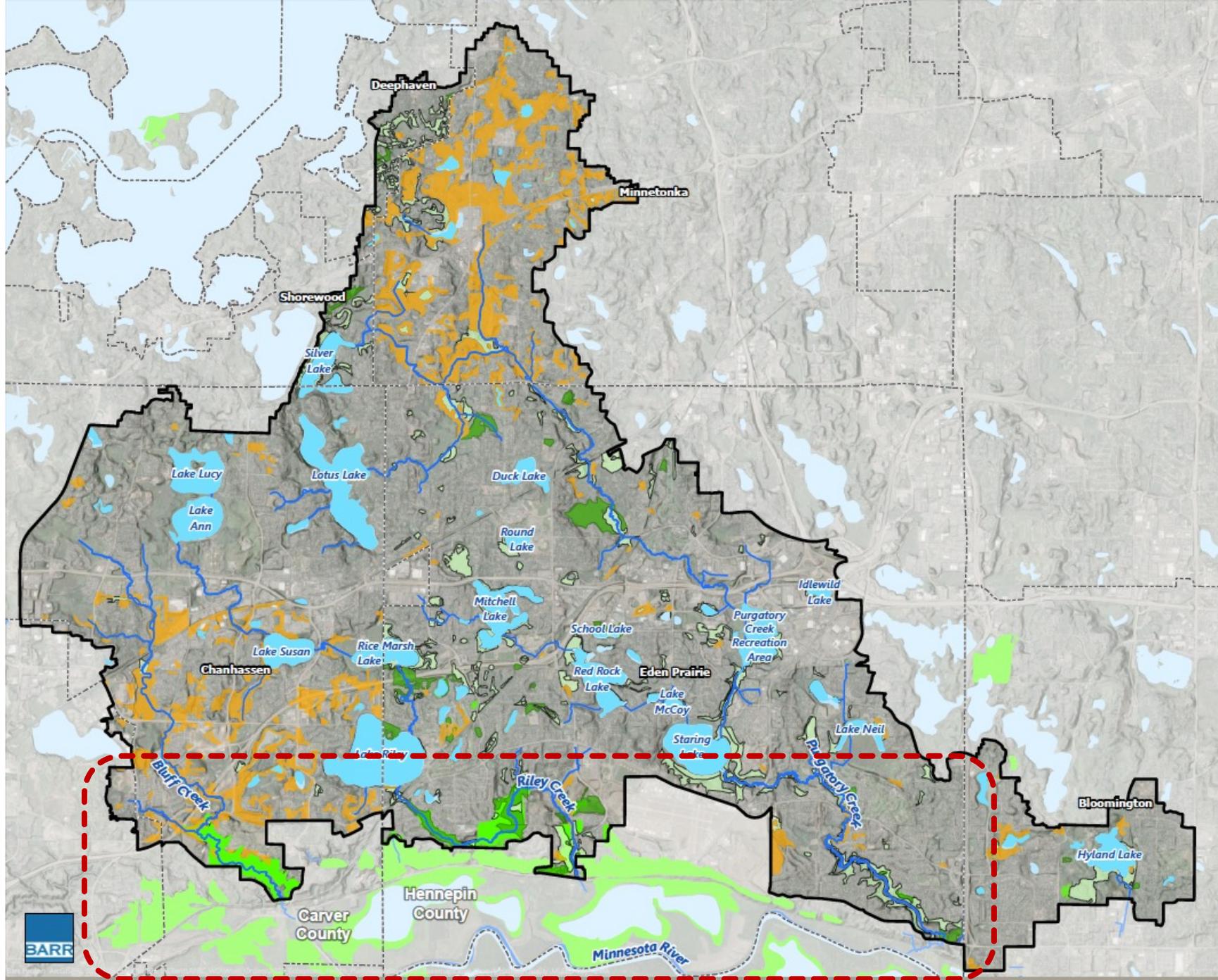
Ecosystem Health Action Plan

OUR GOAL:

To connect the dots between **biodiversity, climate adaptation, soil health, and many other ecological components** to what the Watershed District does under our purview through planning efforts, rule making and enforcement, projects, and community engagement.



Highest Quality Remnants



HABITAT QUALITY- MINNESOTA LAND COVER CLASSIFICATION SYSTEM (MLCCS)

Habitat Quality

A - Highest quality natural community, no disturbances, and natural processes intact*

B - Good quality natural community.

Natural processes are intact but shows signs of past human impacts. Low levels of exotics

C - Moderate condition natural community with obvious past disturbance but is still clearly recognizable as a native community. Not dominated by weedy species in any layer

D - Native species present in an altered/non-native plant community

District Legal Boundary

*with Native Plant Community from MBS (DNR)

Data Source: MnDNR, 2023





Ecosystem Health Action Plan

How do we

redefine our paradigm

to meet the challenges

associated with achieving a

healthy urban ecosystem?

Ecosystem

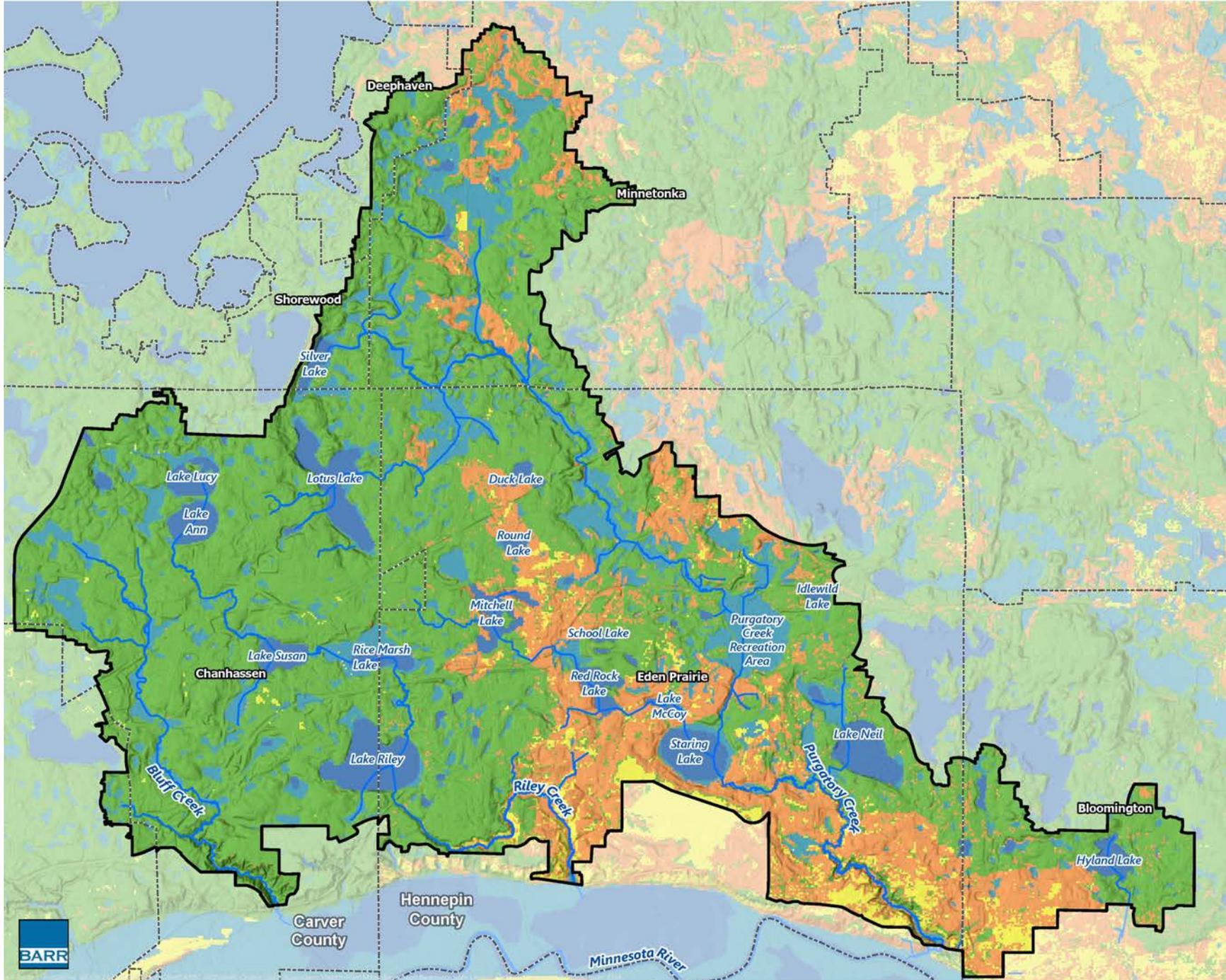


Source: US Post Office

Ecosystem



Historic Vegetation



HISTORICAL VEGETATION MODEL

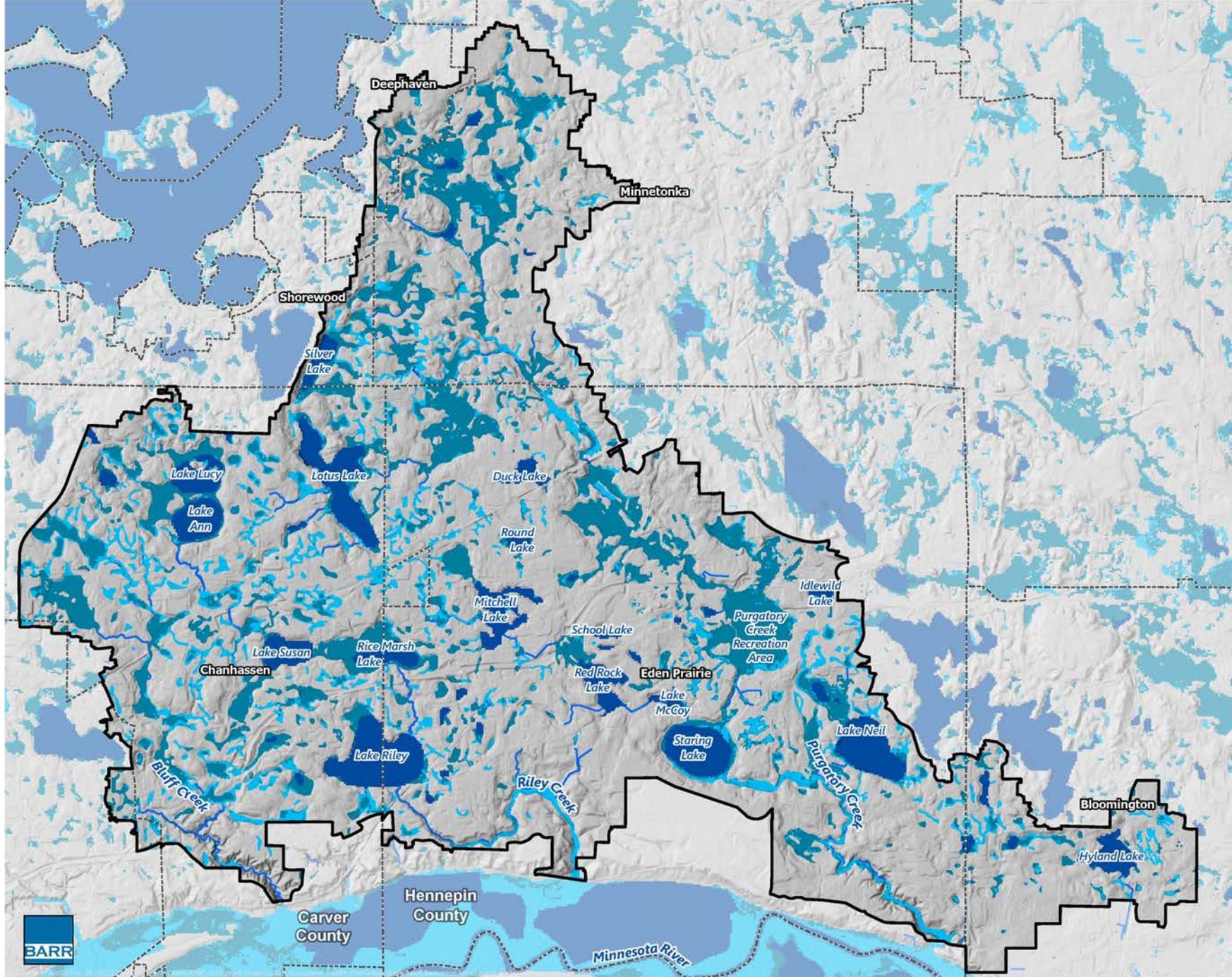
Historical Vegetation Potential Classes

- Deciduous Forest
- Deciduous Savanna
- Surface Water
- Historic Wetlands
- Prairie
- District Legal Boundary
- Municipal Boundary
- Streams/Creeks

Data Source: MnModel Historical Vegetation Model, MnDOT, 2018



Historic Wetlands



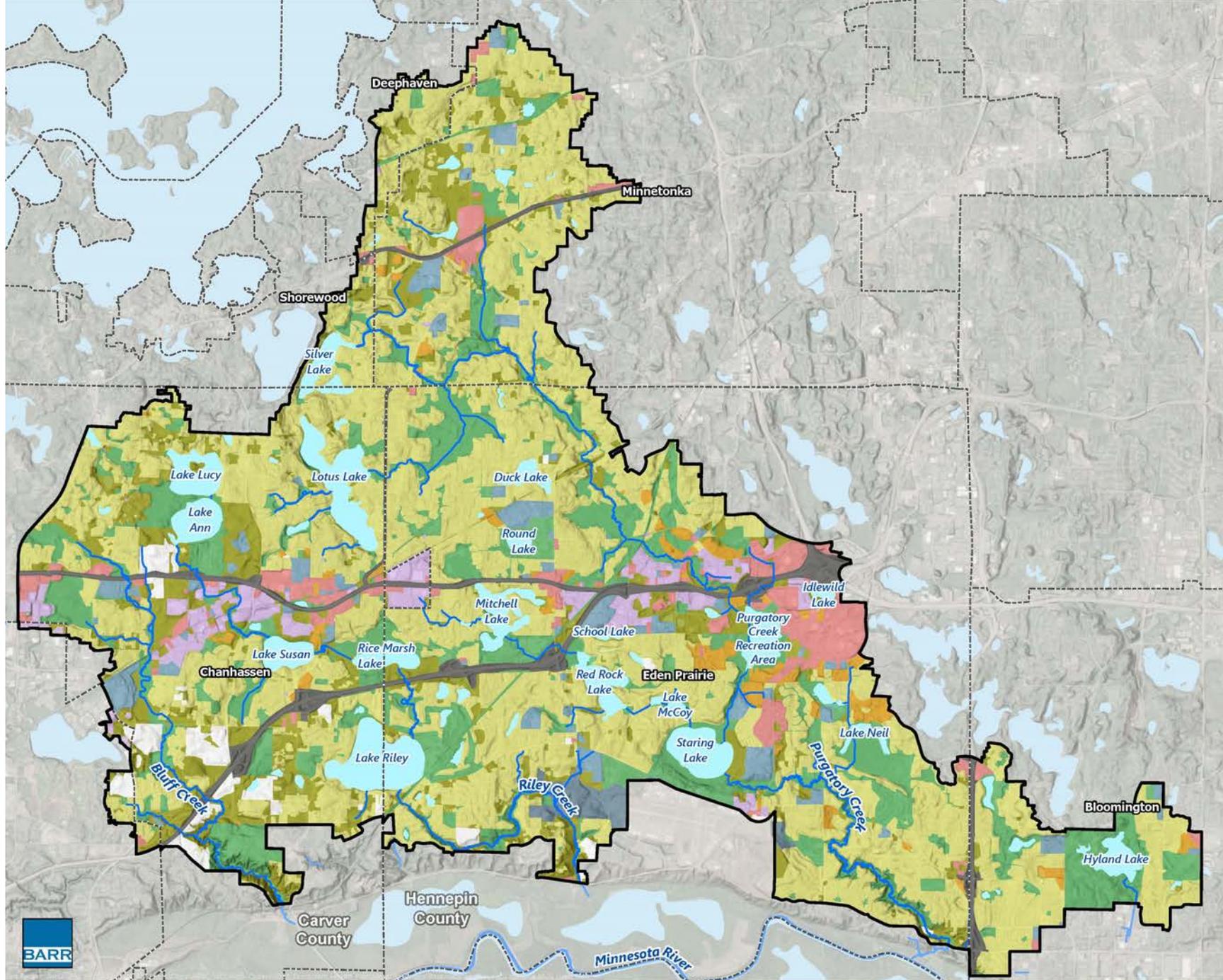
HISTORIC WETLANDS

- Historic Wetlands
 - Surface Water
 - Permanent Wetlands
 - Seasonal Wetlands
 - Streams/Creeks
 - District Legal Boundary
 - Municipal Boundary

Data Source: MnModel Historical Vegetation Model, MnDOT, 2018; USDA NRCS, 2022



Land Use



LAND USE 2020

- District Legal Boundary
- 2020 Land Use (MetCouncil)
 - Single Family
 - Multifamily & Mixed Use Residential
 - Commercial
 - Industrial
 - Institutional
 - Park, Recreational, or Preserve
 - Major Highway
 - Airport
 - Agricultural
 - Undeveloped
 - Water

Data Source: MetCouncil, 2020



Break-out One:

Describe what a healthy urban ecosystem looks like within the District.



Break-out Two:

What challenges are we facing to maintain and enhance the District ecosystem?



Prioritize ecosystem challenges

Of these issues, which are most critical?

Where should we be putting our resources?

