Southeast Anderson Lake Community Meeting

September 17th, 2024



Lizzy Boor, Watershed Specialist

Southeast Anderson Lake Community Meeting

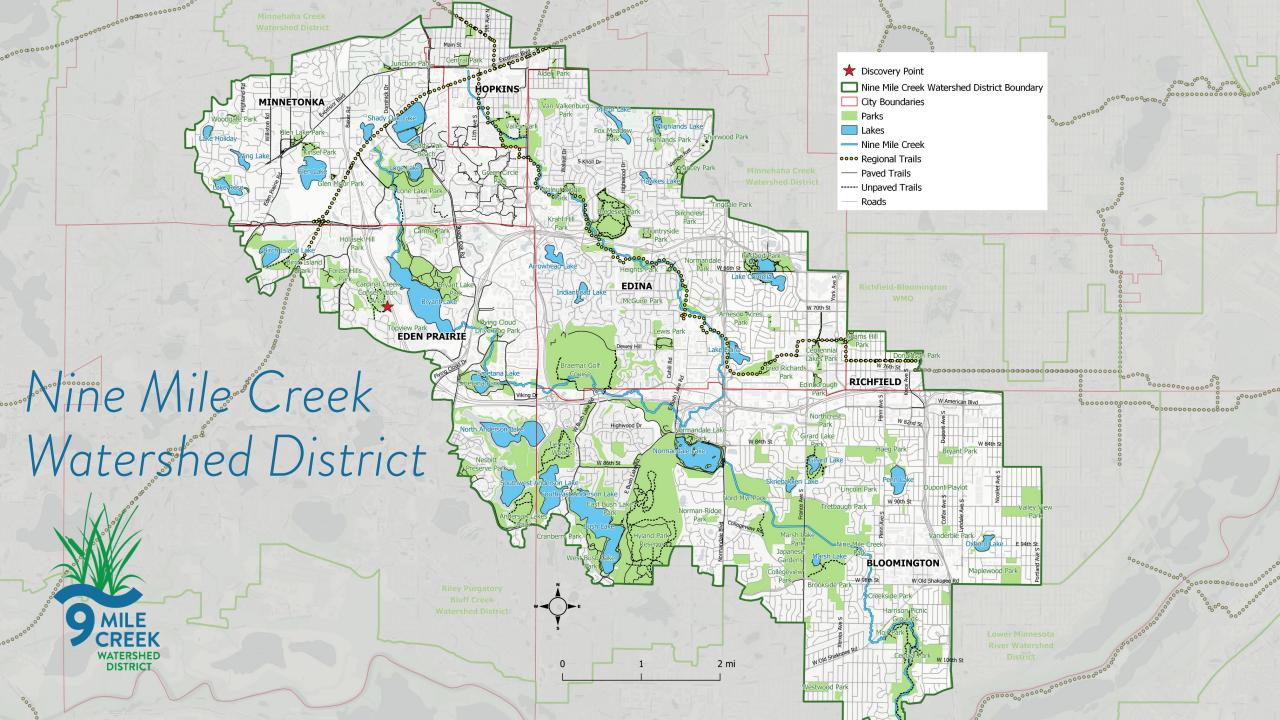
- Current Lake Health
- Past work
- Upcoming water quality study
- Your concerns and questions



What is a watershed?







What we do



Educational Workshops and Programs



Monitoring



Cost Share Grants

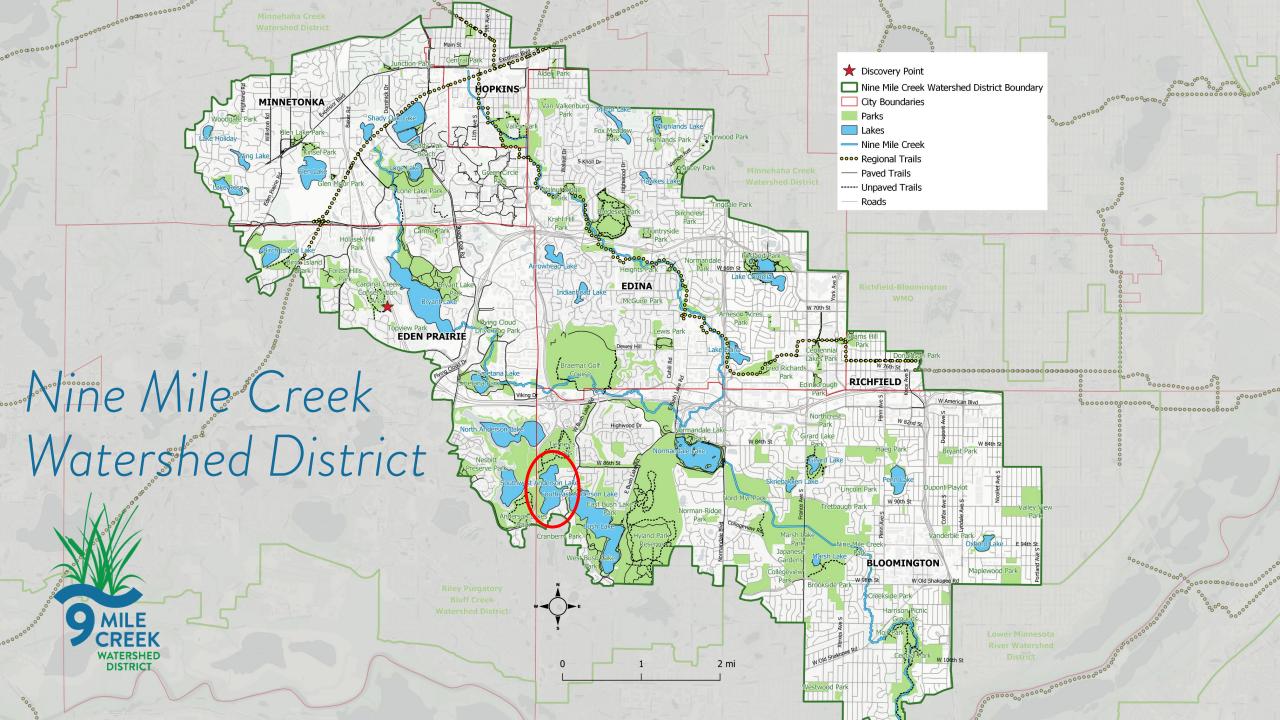


Capital Improvement Projects

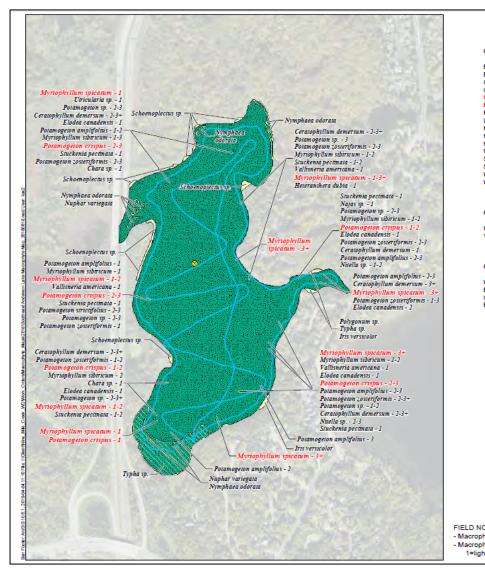




Permitting



Plant Communities



Submarged	Aquafic Planta	
Common Name	Scientific Name	🙁 Water
Bladderwort	Utricularia sp.	Emerg
Bushy pondweed and nalads Canada waterweed	Najas sp. Elodea canadensis	
Coontall	Ceratophyllum demersum	Floatin
Curly-leaf pondweed	Potamogeton crispus	210121013
Eurasian Watermilfoli	Myriophyllum spicatum	Subm
Flat-stem pondweed	Potamogeton zosteriformis	Subin Subin
Large-leaf pondweed	Potamogeton amplifolius	No Ag
Muskgrass	Chara sp.	NOAq
Narrow-leaf pondweed Narrow-leaf pondweed	Potamogeton sp. (narrowleaf) Potamogeton strictifollus	
Northern milfoll	Myrlophyllum sibiricum	GPS S
Sago pondweed	Stuckenia pectinata	
Stonewort	Nitella sp.	
Water celery	Vallisneria americana	
Water stargrass	Heteranthera dubla	
MUN Realing	Louis Phanta (1997)	
Common Name	Scientific Name	
White waterilly	Nymphaea odorata	
Yellow waterilly	Nuphar varlegata	
renow watering	Nophal Vallegala	
Emerge	ent Plants	Imagery Source: T
Common Name	Scientific Name	
Water smartweed	Polygonum sp.	
Bulrush	Schoenoplectus sp.	
Cattall Blue flag iris	Typha sp. Irls versicolor	
blue llag llis	ina veraicolor	
		0
"Note: Bold red name in		
aggressive/invas	ive introduced species.	0
		SOUTHEAS
		MACRO
ELD NOTES:		Ju
Macrophytes observed througho	ut the entire waterbody	Nine Mile Cre
Macrophyte densities estimated		
1=light; 2=moderate; 3=heavy		
ing the incorrect of heavy		

Submerged Aquatic Plants

Common Name

Scientific Name

Bladderwort Bushy pondweed and naiads Canada waterweed Coontail Curly-leaf pondweed Eurasian Watermilfoil Flat-stem pondweed Large-leaf pondweed Muskgrass Narrow-leaf pondweed Narrow-leaf pondweed Northern milfoil Sago pondweed Stonewort Water celery Water stargrass

Utricularia sp. Najas sp. Elodea canadensis Ceratophyllum demersum Potamogeton crispus Myriophyllum spicatum Potamogeton zosteriformis Potamogeton amplifolius Chara sp. Potamogeton sp. (narrowleaf) Potamogeton strictifolius Myriophyllum sibiricum Stuckenia pectinata Nitella sp. Vallisneria americana Heteranthera dubia

///Ploating Leak Plants

Common Name

White waterlily Yellow waterlily

Emergent Plants

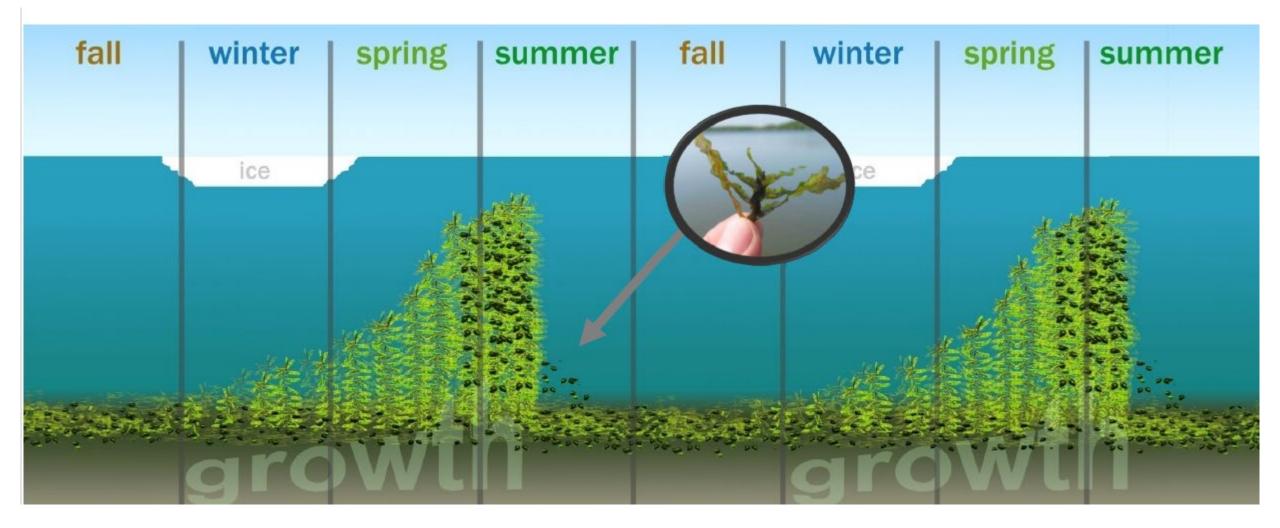
Common Name

o Water smartweed m Bulrush ⁰ Cattail Blue flag iris Stuckenia pectinata Nitella sp. Vallisneria americana Heteranthera dubia Leat Plants Scientific Name Nymphaea odorata Nuphar variegata

Scientific Name

Polygonum sp. Schoenoplectus sp. Typha sp. Iris versicolor



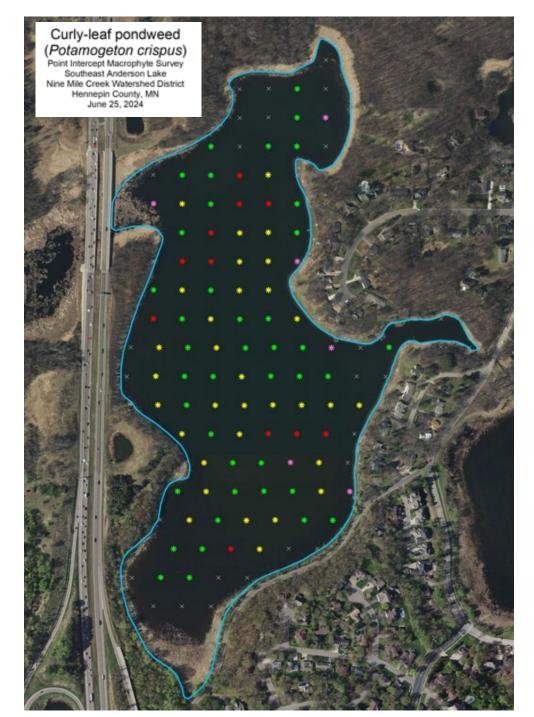


Endothall-K Treatments

• 2008-2013



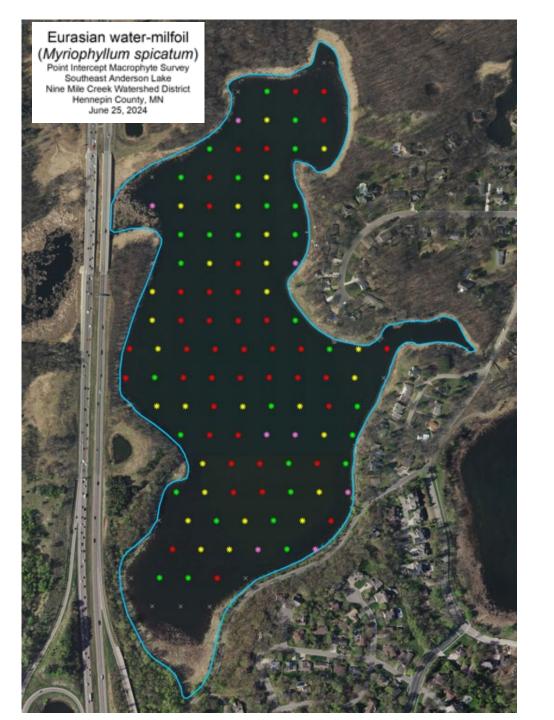




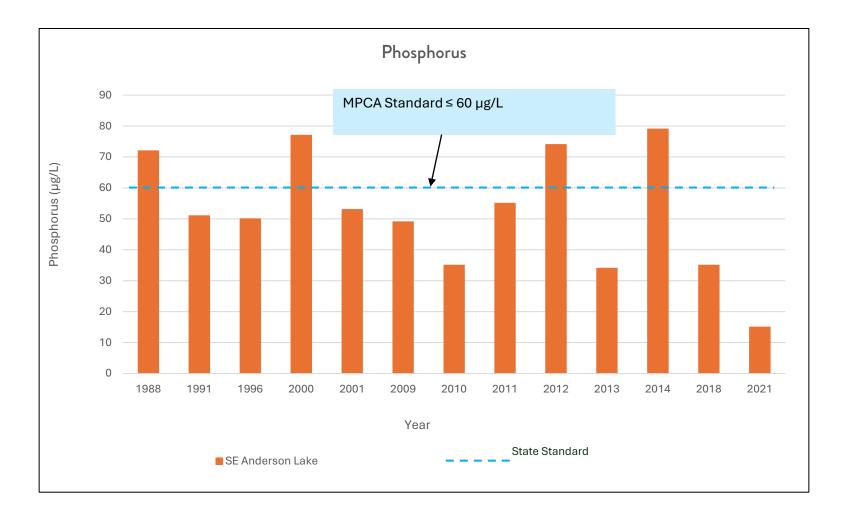
Rake Fullness Rating

1
2
3

× None Found

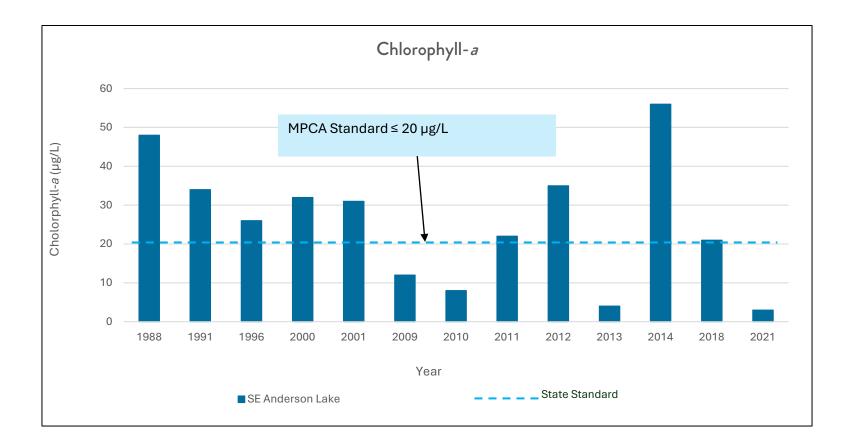


SE Anderson Water Quality Metrics



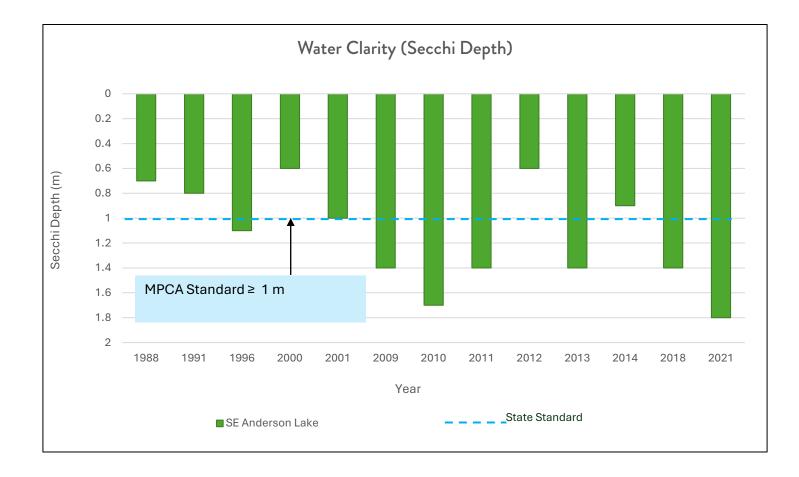


SE Anderson Water Quality Metrics





SE Anderson Water Quality Metrics





Fisheries

MN DNR standard surveys in 1978, 1983, and 1993.
 O Black bullhead, green sunfish, brook stickleback, fathead minnows
 O Resembles a lake with frequent winter kills



Fisheries

Southeast Anderson (27006202)

Fish <u>Stocked</u> by Species for the Last Ten Years

Year	Species	Size	Number	Pounds
2023	Walleye	fry	299,000	2.5
2016	Black Crappie ¹	adults	250	25.0
	Bluegill Sunfish ¹	adults	200	20.0
	Largemouth Bass ¹	adults	6	0.8
	Largemouth Bass ¹	yearlings	200	20.0
	Yellow Perch ¹	adults	200	20.0
2015	Black Crappie ¹	adults	150	41.1
	Bluegill Sunfish ¹	adults	350	95.9
	Largemouth Bass ¹	adults	200	54.8
	Yellow Perch ¹	adults	250	68.5



• Walleye fry were also stocked in 2024. Attempt at making SE Anderson a walleye rearing pond.

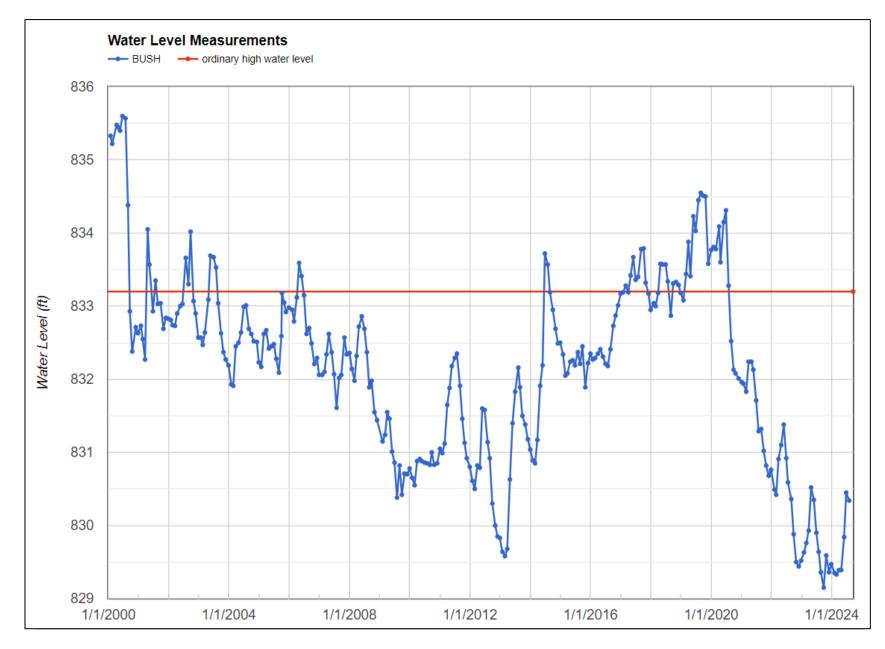
Fisheries

- 2024 electrofishing survey and DNR trap nets:
- similar species diversity and richness
- No walleyes were sampled.

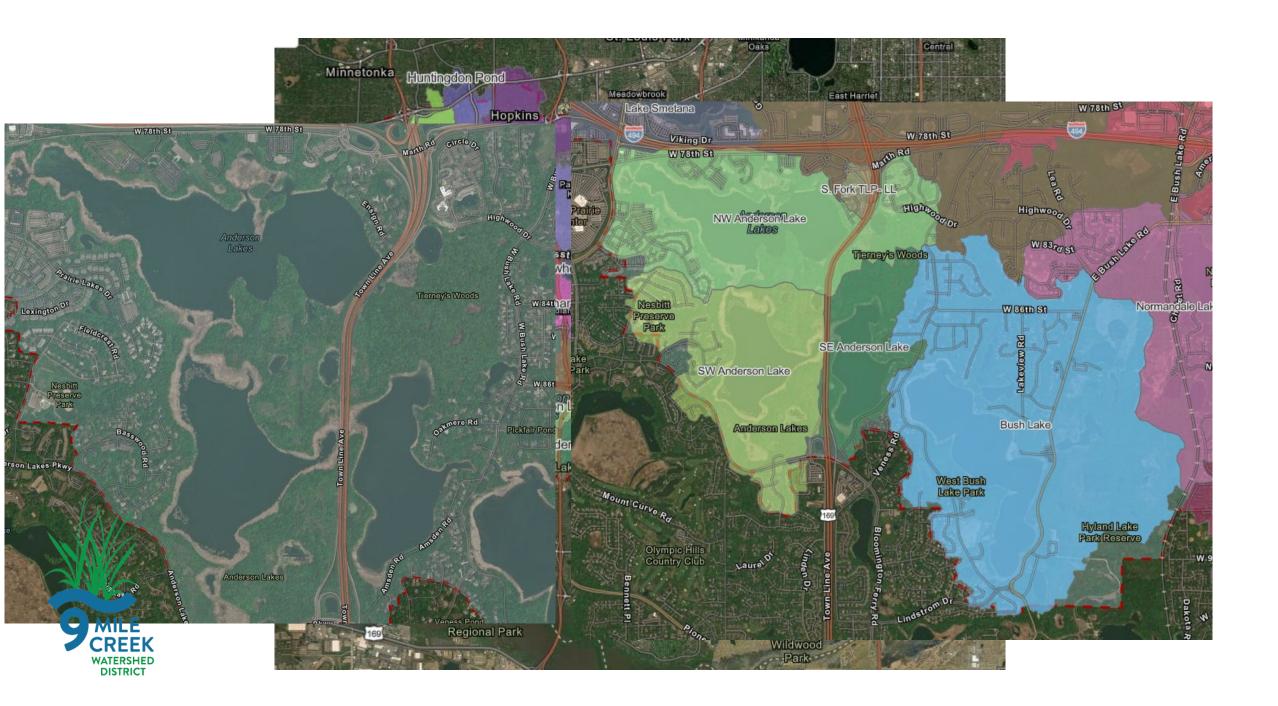




Lake Levels



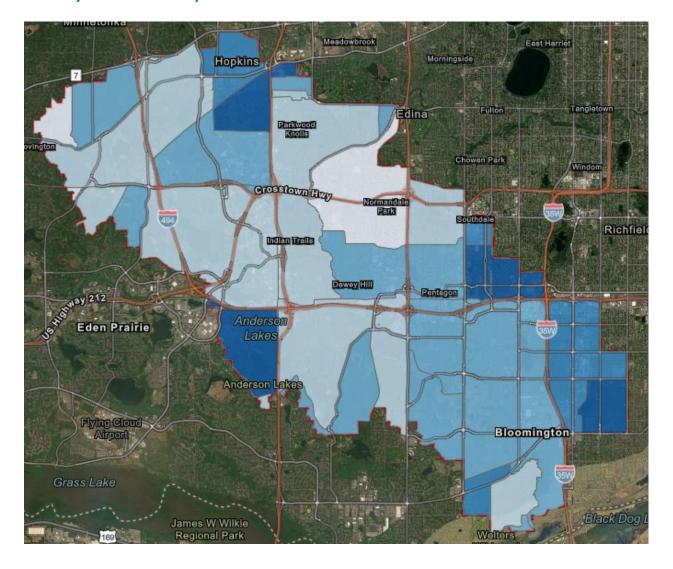


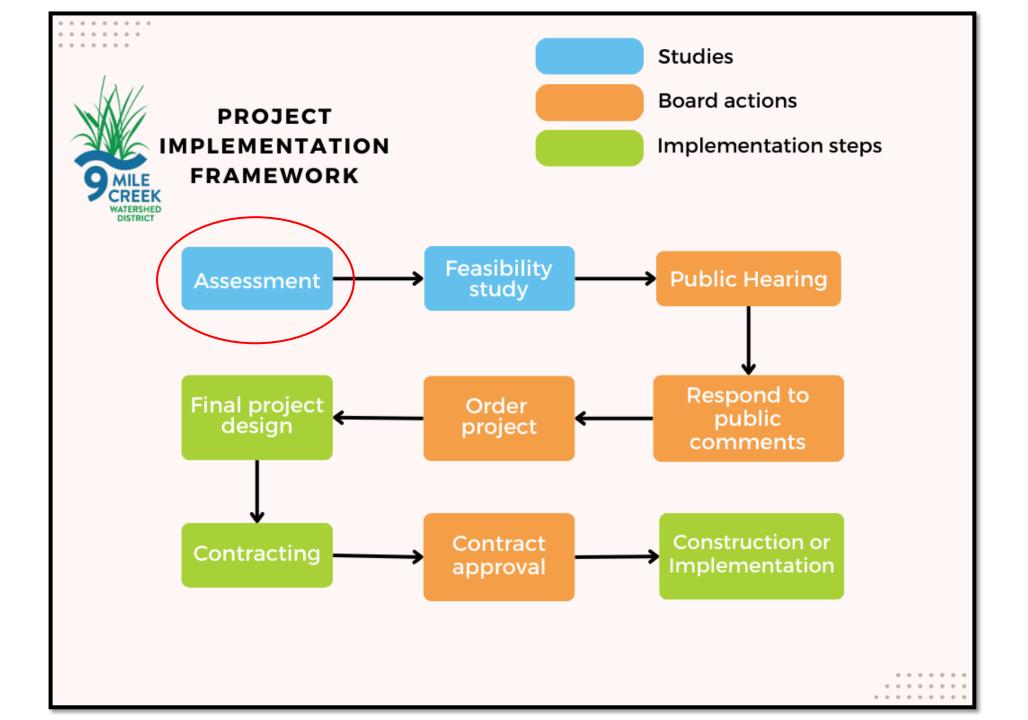


Potential Water Quality Scoping

- In-lake treatments
- Habitat connectivity
- Upland restoration
- Access from public land









What are you using the lake for?

Do you have any goals for the lake?







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