

## Lake Ann

Located in Chanhassen, Lake Ann is at the headwaters of Riley Creek. Over the past 40 years, Lake Ann has consistently met the Minnesota Pollution Control Agency clean water standards.

From June to September every year, District staff visit the lake every two weeks to collect water samples and take readings. Samples are sent to a laboratory to be tested for nutrients and other compounds. Staff also measure water clarity by lowering a Secchi disk into the water and measuring how deep it goes before it is no longer visible. The data indicates the lake's health based on standards set by the Minnesota Pollution Control Agency (MPCA).

Lake Ann is classified as a "Deep Lake" by the MPCA. To be considered healthy, the lake must meet the standards set for deep lakes. This includes low phosphorus and chlorophyll-a levels and average water clarity of 1.4 meters (4.6 feet) or greater.



### Watershed Boundary



| Lake Ann Water Quality Snapshot |                         |              |   |
|---------------------------------|-------------------------|--------------|---|
| Parameter                       | Deep lake standard      | 2025 average | Note  |
| <b>Total Phosphorus</b>         | Less than 0.04 mg/L     | 0.031 mg/L   | Lake consistently meets standard. Slightly up from 2024 average.  |
| <b>Chlorophyll-a</b>            | Less than 14 µg/L       | 17.425 µg/L  | Lake did not meet standard. Higher average in 2025 likely due to heavy early spring rains flushing nutrients & sediments into the lake. |
| <b>Water Clarity</b>            | Greater than 1.4 meters | 1.706 meters | Lake consistently meets standard. Down from historical average of 2.6 meters.   |

Water quality trends shown on back of page.



**Carp update:** Staff continue to monitor Common Carp, an invasive species that harms water quality by destroying aquatic vegetation and stirring up lake bottom sediments. Carp biomass estimates have always been very low in Lake Ann and young of the year fish were not captured in 2025, indicating carp are not a significant issue in this lake.

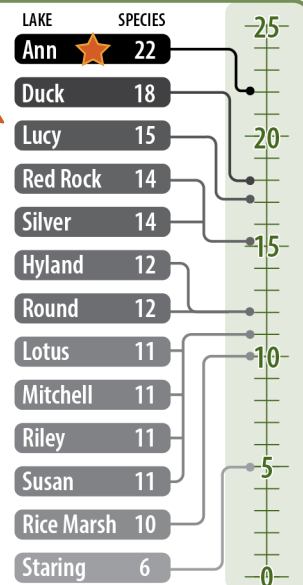
### Lake & watershed characteristics

|                          |  |
|--------------------------|--|
| Lake size                | 119 acres  |
| Average lake depth       | 16.8 feet  |
| Maximum lake depth       | 40 feet  |
| MPCA lake classification | Deep lake  |
| Watershed size           | 257 acres  |
| Impervious surface       | 2% of watershed  |
| Impaired Waters listing  | Mercury  |
| Common fish              | Bluegill, Northern Pike, Largemouth Bass, Yellow Perch, Pumpkinseed Sunfish          |
| Invasive species         | Curly-leaf Pondweed, Eurasian Watermilfoil, Common Carp, Brittle Naiad, Zebra Mussel |

### Native Aquatic Plant Diversity



How does **Lake Ann** compare to **other lakes** in the District in **number of native plant species?**



# Lake Ann Water Quality by the Numbers

2025

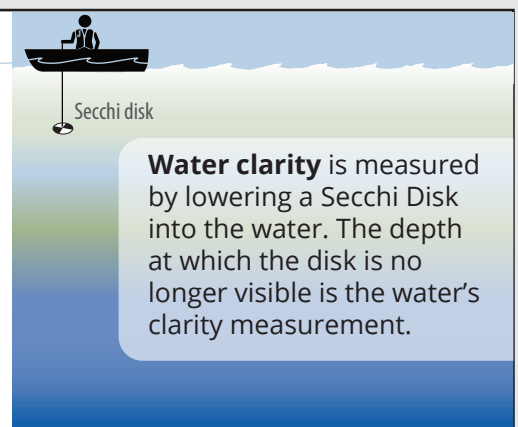
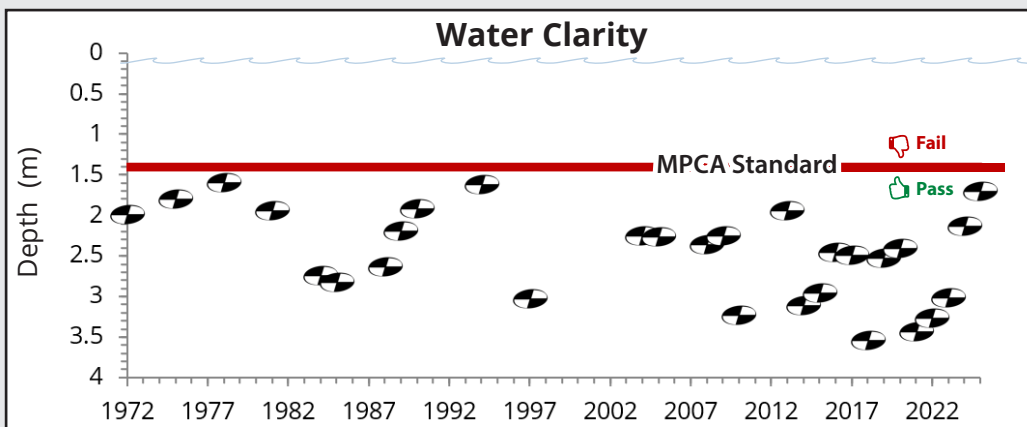
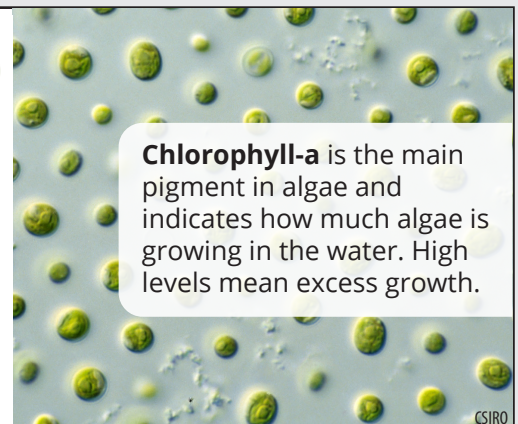
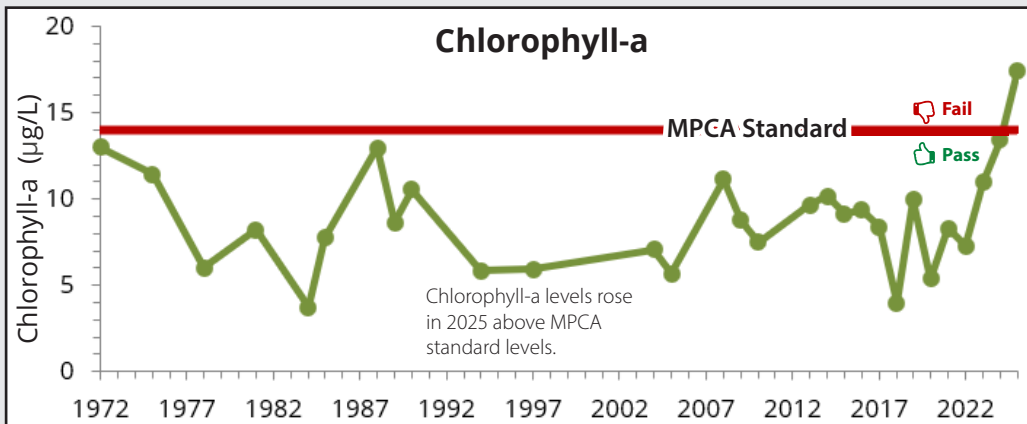
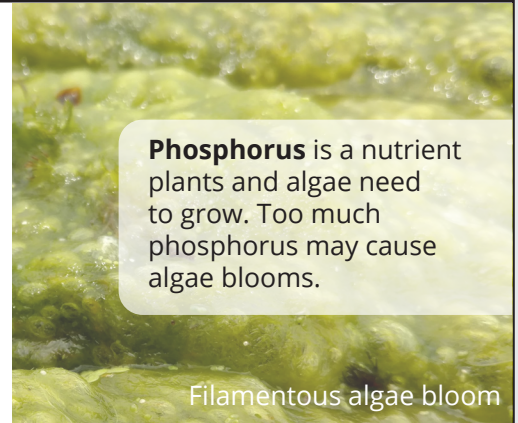
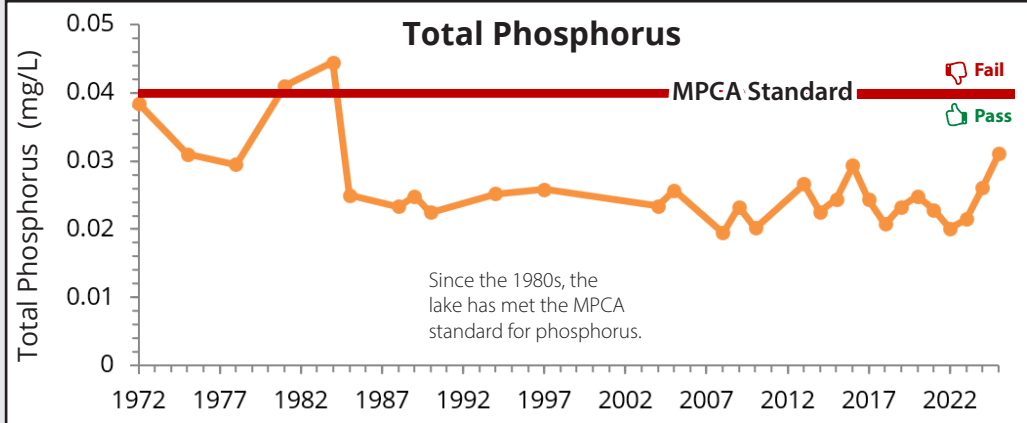
Water Quality Report Card

**B**

rpbcd.org/grades

For the past 40 years, Lake Ann has consistently met the clean water standards set by the MPCA. The graphs below show water quality trends over time with the red line representing the MPCA standard for deep lakes.

## Trends Over Time: 1972-present



## Chloride: A Growing Concern

Chloride permanently pollutes our lakes, ponds, and streams!



## What can I use instead of winter de-icers?

All affordable & effective residential de-icing products contain chloride, even those labeled as "eco-friendly" or "pet safe."

Focus instead on reducing build up of ice on your property:

- Shovel early & often
- Prevent ice formation, avoid driving or walking on snow
- Pile snow where it won't melt & refreeze on walkways

ONE TEASPOON of SALT POLLUTES 5 GALLONS of WATER FOREVER

Learn more [rpbcd.org/salt](http://rpbcd.org/salt)