A 2018 fish survey showed high numbers of carp in Normandale Lake. Radio-tags were installed on carp in 2019 to focus on the best approach for managing the carp. A follow-up fish survey in the summer of 2019 will assess the effect of the drawdown on the overall fish population.

FISH STOCKING

The Department of Natural Resources will stock Normandale Lake with adult largemouth bass and bluegill in 2019.



Fish Survey on Normandale Lake

The Nine Mile Creek Watershed
District and City of Bloomington
are partnering to complete
projects to improve the health of
Normandale Lake. The projects
target curly-leaf pondweed, an
invasive aquatic plant, and
phosphorus, a nutrient that
causes algae blooms and
excessive plant growth.

MONITORING FOR SUCCESS

The District will conduct lake monitoring to understand the success of the projects. This will include water quality sampling, plant surveys, fish surveys, and sampling the lake bottom for "seeds" from curly-leaf pondweed.

TALK TO US!

Nine Mile Creek Watershed District 952-358-2276 ninemilecreek.org/normandale blm.mn/nlwq





Water Quality
Improvement
Project



August 2018-March 2019

During the drawdown at
Normandale Lake, water was
emptied from the lake to expose
the sediment to freezing
temperatures. This was done to
control curly-leaf pondweed, an
invasive aquatic plant. It is the
only way to kill the plants'
turions (seed-like structures),
which stops the plant from
growing. The winter conditions
were favorable for freezing the
sediment and killing the curlyleaf pondweed.



Normandale Lake Drawdown

May 2019

On contact with water, alum forms a fluffy precipitate called floc. This binds with phosphorus, which keeps it from fueling algae growth. The floc settles to the bottom of the lake and then forms a thin layer on the sediment. This keeps phosphorus from entering the overlying water and makes it unavailable to algae. The result is a reduction in the frequency and intensity of nuisance algal blooms. Alum is a safe and effective way to control phosphorus in a lake.



Lake Alum Treatment

Spring 2020

An herbicide treatment using Endothall will target any curly-leaf pondweed that remains after the drawdown. Endothall, a selective herbicide, is most effective when applied in late April or early May. This timing also minimizes harm to native plants, which begin growing later in the season. Treatment may be repeated yearly for up to five years, depending on curly-leaf pondweed regrowth.



Curly-leaf Pondweed