



Comfort Lake-Forest Lake Watershed District

Project Fact Sheet



Moody Lake Alum Treatment

Project Sponsor: Comfort Lake—Forest Lake Watershed District (CLFLWD)

Targeted Water: Moody Lake

Financial:

Clean Water Fund Grant	\$135,000
CLFLWD Grant Match	\$100,000
Total Project Budget	\$235,000

Project Timeline: April 2018-December 2020

- Alum dosing: Summer 2018
- Alum application #1: Fall 2018
- Alum application #2: Fall 2019

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Alum treatment barge, October 2019

Project Description: The Moody Lake alum treatment is the final step of a systematic, multi-year diagnostic and implementation planning process the District began in 2011 for reducing watershed loads first and then addressing in-lake internal loads. The reductions in watershed loads combined with the Moody Lake alum treatment will fully achieve the lake’s water quality goal. In order to manage water pH, the alum treatment is split into two phases.

Project Location: Moody Lake is located in southern Chisago County, MN.



Project Outcomes: The alum treatment will reduce internal phosphorus loading by an estimated 386 pounds per year, or 100% of the internal load reductions needed for Moody Lake to attain its long-term in-lake phosphorus goal of 40 µg/L.