

Normandale Lake, Bloomington MN



Lake Surface Area: 112 acres Average Depth: 4.2 ft;

Maximum Depth: 10 ft

Watershed Area: 21,500 acres

Aquatic Plants

Common Name	Plant Type	Estimated Density
Curlyleaf pondweed	Submerged	3
Narrowleaf pondweed	Submerged	1-2
Flagstem pondweed	Submerged	1
Coontail	Submerged	3
Elodea	Submerged	1-2
Floating leaf pondweed	Floating leaf/submerged	1
White waterlily	Floating leaf	1-2
Little yellow water lily	Floating leaf	1
Cattail	Emergent	1
Purple loosestrife	Emergent	1
Blue flag iris	Emergent	1

- Plant densities estimated as follows: 1 = Light, 2 = Moderate, 3 = Heavy
- Aquatic plants are found throughout the entire lake except near the outlet. Plants are more dense near the inlet, western, and southern areas of the lake.
- Watermeal and duckweed is present throughout the lake.
- Algal mats throughout lake.



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Algacide and Herbicide Treatment History

Algacide/Herbicide	2003	2004	2005	2006	2007	2008	2009
Reward (gal)	8.5	8.5	-	5	9	9	6.5
Copper Sulfate (lbs)	300	-	-	0	75	75	-
Aquathol (gal)	-	-	-	4	-	-	-
Area of lake treated (acres)	10	10	-	6	6	6	6

- There are scattered records of additional herbicide treatment prior to 2003. In addition, the City of Bloomington also operated a harvesting operation on Normandale Lake prior to the use of algacide and herbicide.

Current Conditions

The most dominant plant species in the lake include the following:

- **Curlyleaf Pondweed** - an invasive species that significantly contributes to poor water quality.
- **Coontail** - a native vegetation species that can become a nuisance in lakes with increased nutrient levels.
- **Filamentous algae** - a mass of long, stringy, hairlike strands that forms mats on the top of the water.



Potential Future Management

The City of Bloomington petitioned the Nine Mile Creek Watershed District for a water quality improvement project on Normandale Lake to address Curlyleaf Pondweed and phosphorus concentrations. Recent data suggest water quality has improved on the lake and, as a result, Nine Mile Creek Watershed District is continuing to collect water quality data and analyze possible actions to address the Curlyleaf Pondweed in Normandale Lake.