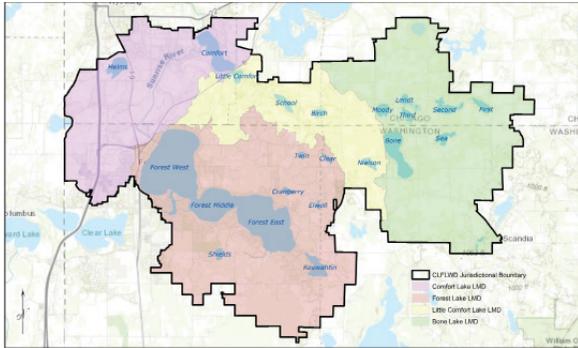


## WATERSHEDS & WATERSHED DISTRICTS



### COMFORT LAKE-FOREST LAKE WATERSHED DISTRICT

The Comfort Lake-Forest Lake Watershed District (CLFLWD) is a local government organization that covers 49 square miles in northern Washington and southern Chisago counties including portions of the City of Wyoming, Chisago City, Chisago Lake Township, Franconia Township, the City of Forest Lake, and the City of Scandia. Like other watershed districts, the CLFLWD geographic boundaries are determined by the flow of water.

All water within this watershed ultimately flows to one point, Comfort Lake and exits to the Sunrise River. This watershed is divided into four major lake management districts for planning and projects; Bone Lake, Forest Lake, Little Comfort Lake, and Comfort Lake. The above map depicts these four management Districts.

One of the primary goals of the District is to restore and maintain the water quality of local lakes. To do this, the District utilizes targeted monitoring, pollutant contribution data, and cost-benefit analysis to identify the most cost effective programs and projects. An example of one such project is highlighted inside this brochure.

More information about the history, management approach, and water quality improvement projects of the District can be found online at [www.clflwd.org](http://www.clflwd.org).



*Protecting and improving  
your local water resources.*



Follow us on social media @CLFLWD

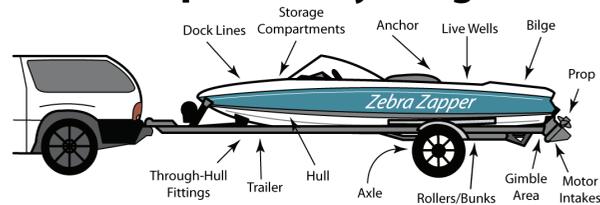


## STOP AQUATIC HITCHHIKERS!™

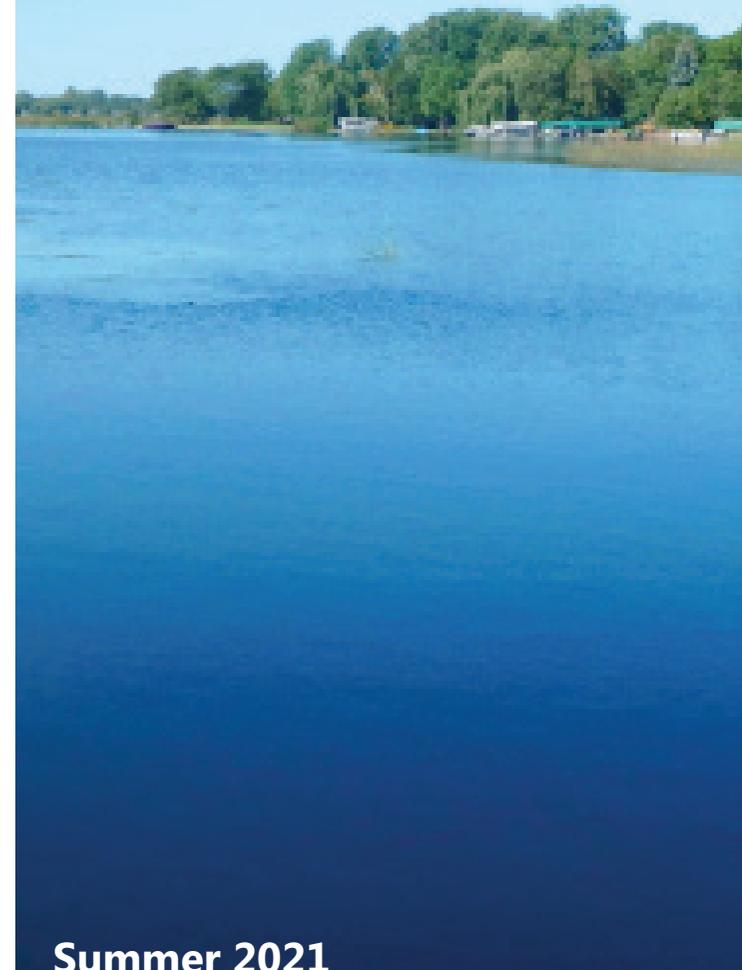
Be A Good Steward.  
Clean. Drain. Dry.

[StopAquaticHitchhikers.org](http://StopAquaticHitchhikers.org)

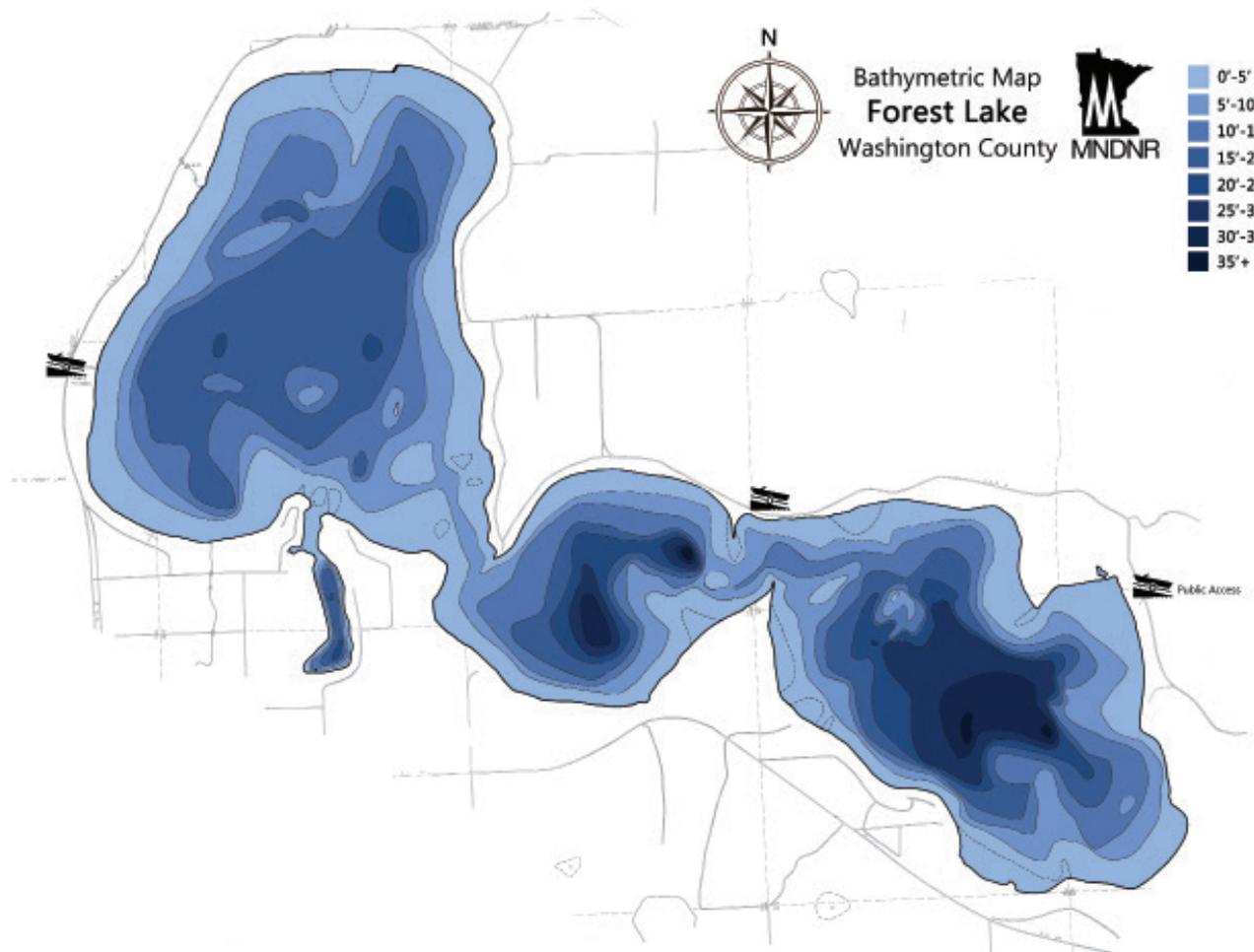
Before Leaving & Before Launching...  
**Inspect Everything!**



# FOREST LAKE LAKE INFORMATION



Summer 2021



## PROJECT SPOTLIGHT



### Shields Lake Stormwater Harvest, Irrigation Reuse, and Alum Treatment Project

**Project Location:** Forest Hills Golf Club, Forest Lake

**Description:** Prior to 2019, Shields Lake exhibits some of the poorest water quality in the area. The lake's connection to Forest Lake means that it also contributes a large amount of phosphorus to Forest Lake. Phase 1 of the project entailed collecting stormwater runoff from 294 acres, west-southwest of Shields Lake, that would have natural flowed to Shields Lake and using it for irrigation on Forest Hills Golf Course. Phase 1 of the project entailed collecting stormwater runoff from 294 acres, west-southwest of Shields Lake, that would have natural flowed to Shields Lake and using it for irrigation on Forest Hills Golf Course. Phase 2 of the project entailed a whole-lake alum treatment in Shields Lake which addressed the internal loading of phosphorus in the lake.

**Outcomes:** The entire project has reduced phosphorus loads such that Shields Lake is expected to soon achieve its lake water quality goal and a clear water state, which will reduce phosphorus loads to Forest Lake by up to 531 pounds/year. Additionally, the irrigation reuse system will reduce the need for groundwater pumping by up to 26 million gallons per year!

**Funding & Partners:** The Comfort Lake-Forest Lake Watershed District received a grant for this project in the amount of \$824,000 from the Clean Water Fund (CWF) for this exciting project, and it would not be possible without our partners at Forest Hills Golf Club!



Learn more about this exciting project and others online at [www.cflwd.org/projects.php](http://www.cflwd.org/projects.php)

### General Info

**Name:** Forest Lake  
**DNR ID Number:** 82015900  
**County:** Washington  
**Nearest City:** Forest Lake

### Lake Stats

**Area:** 2,271 acres  
**Littoral Area:** 1,531 acres  
**Shore Length:** 15.71 miles  
**Maximum Depth:** 37 feet

### Water Quality Data (2020)

**Avg. Water Quality Grade:** C+  
**Avg. Water Clarity:** 5.7 feet  
**Avg. Total Phosphorus:** 27 µg/L  
**Monitoring Report:** [www.cflwd.org/data.php](http://www.cflwd.org/data.php)

### Aquatic Invasive Species

**Curly-leaf pondweed** (*Potamogeton crispus*)  
**Eurasian watermilfoil** (*Myriophyllum spicatum*)  
**Flowering rush** (*Butomus umbellatus*)  
**Zebra mussels** (*Dreissena polymorpha*)

### Fish Species

**Walleye**  
**Bluegill**  
**Largemouth Bass**  
**Golden shiner**  
**Yellow Perch**  
**Rock Bass**  
**Muskellunge**  
**Black Crappie**  
**Northern Pike**  
**Pumpkinseed**  
**Hybrid Sunfish**

