



CLFLWD
WATERSHED DISTRICT

Moody Lake Capstone Project



Long-term water quality improvements for Moody Lake

These capstone projects are the last puzzle pieces needed to get Moody Lake to its long-term water quality goals.

The Watershed District has completed a number of water quality projects around Moody Lake in the past 10-years. Because of those projects, Moody Lake is currently over 88% of the way to achieving its long-term water quality goal. This capstone project is intended to achieve the final 12%.

The Moody Lake Capstone Project is comprised of several smaller projects that are designed to address the remaining phosphorus load entering Moody lake from the surrounding landscape.

Phosphorus is a naturally occurring nutrient that can encourage algae growth and lower water quality. One pound of phosphorus can support up to 500 pounds of algae growth.

The proposed projects include two small wetland enhancements (removal of phosphorus rich soils), an upland restoration, and improvements to Moody Lake Park that include stabilization of the shoreline and construction of a rain garden. The projects are estimated to remove around 58 pounds of phosphorus each year from directly entering the Moody Lake.

Bone Lake will also benefit from these projects due to the direct connection between the lakes.

Project Outcomes

Phosphorus Removed (lbs/yr)	58
Sediment Removed (lbs/yr)	140
Flood Storage Added (acre-ft)	0.80
Wetland Restored (acres)	0.50

Project Funding

Clean Water Fund Grant	\$239,500
District Levy	\$59,875
Total Project Budget	\$299,375

Project Timeline

Design & Feasibility	2022-23
Construction	Winter 2023-24