

# Naturalake Biosciences' Summer Slam Case Study

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### SUMMARY

**Issue:** Cyanobacteria and algae not responding to copper algaecide treatments, organic matter accumulation, and submerged plants like bladder wort and slender spikerush.

**Location:** 1.3 acre lake, average depth 4ft

**Solution:** Summer Slam at about 4 lb per acre

**Timeline:** November 2018 - ongoing

### BACKGROUND

A community in Estero, FL has several challenging lakes within its 80 lake system. This community has had a long history of major mat forming cyanobacteria problems for over 20 years. The water in the community is extremely hard, with levels averaging 300 ppm, and at times exceeding 900 ppm. Because of the high hardness, copper based algaecides only give partial control. Submerged vegetation control has always required higher rates than other communities to achieve desired results. In addition, bacterial products from other suppliers have failed to improve standard treatments. It was determined the probiotic, Summer Slam could be used to improve water quality and prevent or limit growth due to the formulation being designed for the warm Florida ecosystem.

## METHODS

The initial start up on this lake was 8 pounds of Summer Slam on 11/26/18. Since the initial treatment, every other week this lake has had 2 pounds placed in each end for a total of 4 pounds on a 1.3 acre lake with an average depth of 3 feet. Due to the algae blooms on the off week, starting 7/30/19 Summer Slam was added at 2 pounds on each end every week in warmer months, and every other week in cooler months.

## RESULTS

Since the initial application, algae blooms or submerged vegetation issues have been limited. These lakes have gone over 12 months without any herbicide or algaecide treatments. Muck levels have decreased drastically and continued SummerSlam applications have improved water quality.



*“Water quality  
remediation is the  
future of our industry.”*

- Kris Land