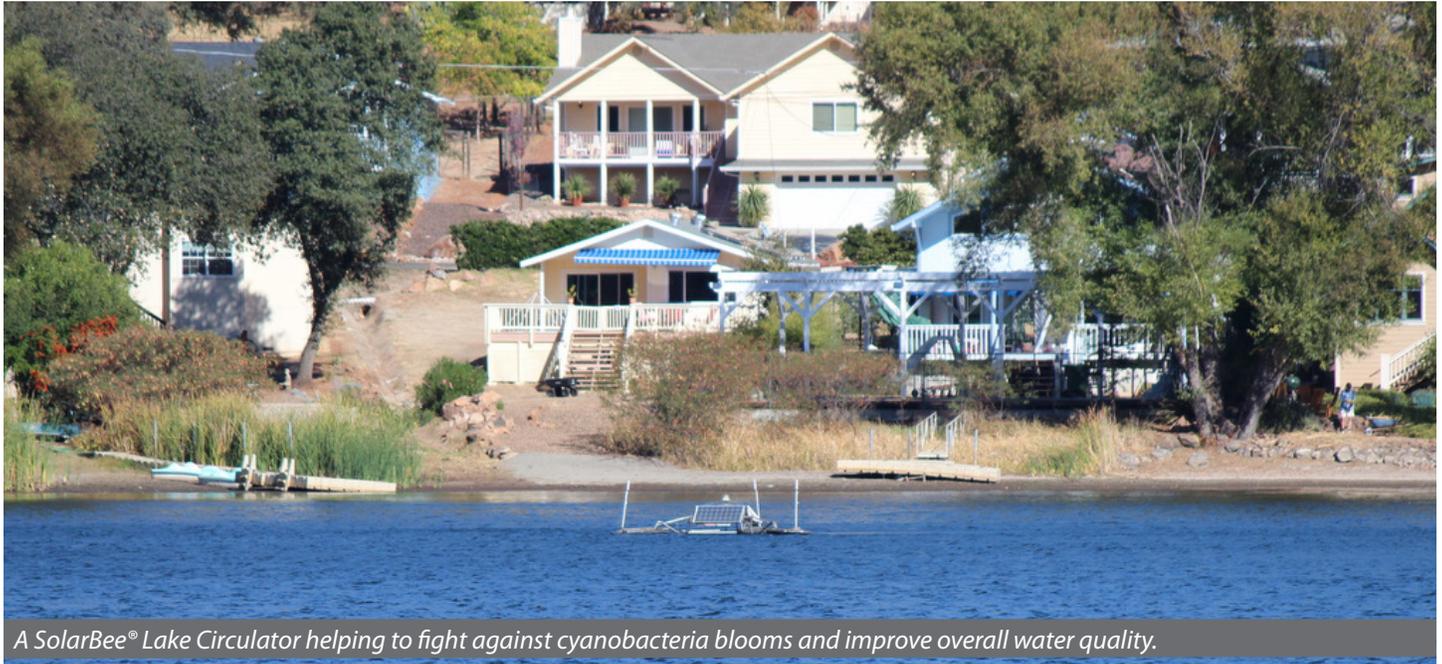


# SolarBees Provide Long-Term Cyanobacteria Control

Over 15 years of consistent and dependable results with active lake circulation.

**Topics:** lake circulation, cyanobacteria, blue-green algae, water clarity, improved fishery, aquatic weeds, treatment savings



*A SolarBee® Lake Circulator helping to fight against cyanobacteria blooms and improve overall water quality.*

## Location & Contact Information:

Further information may be available upon request.  
Please contact us by phone at 866-437-8076 or by e-mail,  
info@medoraco.com

## Lake Overview:

**Elevation (feet):** 2309  
**Surface Area (acres):** 101.2  
**Average Depth (feet):** 35  
**Deepest Depth (feet):** 57

**Pre-Deployment Conditions:** Primary problems were persistent cyanobacteria (blue-green algae) blooms and submerged aquatic weed infestations – both problems seriously impaired the use and enjoyment of the lake. In 2003, the lake association spent \$25,000 for herbicide treatments for aquatic weeds.

**Project Objectives:** Cyanobacteria control, reduction of aquatic weeds and overall water quality improvement.

**Solution:** Four (4) SB10000v12 Lake Circulators (June 2004).

**Deployment Note:** The SolarBees are normally positioned to cover the entire lake area for cyanobacteria bloom control; however, in an effort to more effectively oxidize littoral sediments to help reduce invasive aquatic weeds, the SolarBees were placed closer to shore.

**Results:** Cyanobacteria blooms were controlled for the remainder of 2004 and in the 15+ years since. Water clarity improved with visibility during summer months reaching 25 feet or more into the water column. Residents also noted that fishing had noticeably improved (a lake record 24", 8 lb rainbow trout was landed in 2007).

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**Results (cont'd):** Although SolarBee deployment was designed to address aquatic weeds secondarily, the Lake Association used only half the amount of chemicals for weed control in 2004 compared to 2003. In 2005, the amount of chemicals used was again cut in half (or about 25% of that used in 2003). The Lake Association has been very pleased with the chemical cost savings.

The Lake Association has been extremely pleased with the after-sale support Medora has provided over the years.

**Update (2007):** Per the Customer, "We value your service very much, and this is just one of the many reasons our Lake Association is not hesitant about marketing the several virtues that the SolarBee product in specific, personify. We have arguably become, I believe, one of your greatest allies. It really is an excellent relationship and I sincerely hope it continues..."

**Update (September 2014):** Per the Customer, "To answer your question about how our water clarity has been this summer, I feel it's been great. I recorded a depth of 20' on August 28th. Overall, my readings have been fluctuating between 15' and 20' depending upon if we have just experienced a heat wave or cool spell."

**Update (July 2018):** Per the Customer, "I am writing to say thanks very much to you and your team of SolarBee Service Technicians for doing a great job... Everyone who loves our lake greatly appreciates your team's successful efforts!"

**Update (September 2019):** Per the Customer, "Overall, I'm very happy to report that both the performance of our lake's 4 SolarBees, as well as our lake's water quality have remained in very good shape throughout the summer of 2019. In fact, our current water clarity of 25' represents the best level of clarity seen in 2019."

