



LG Sonic

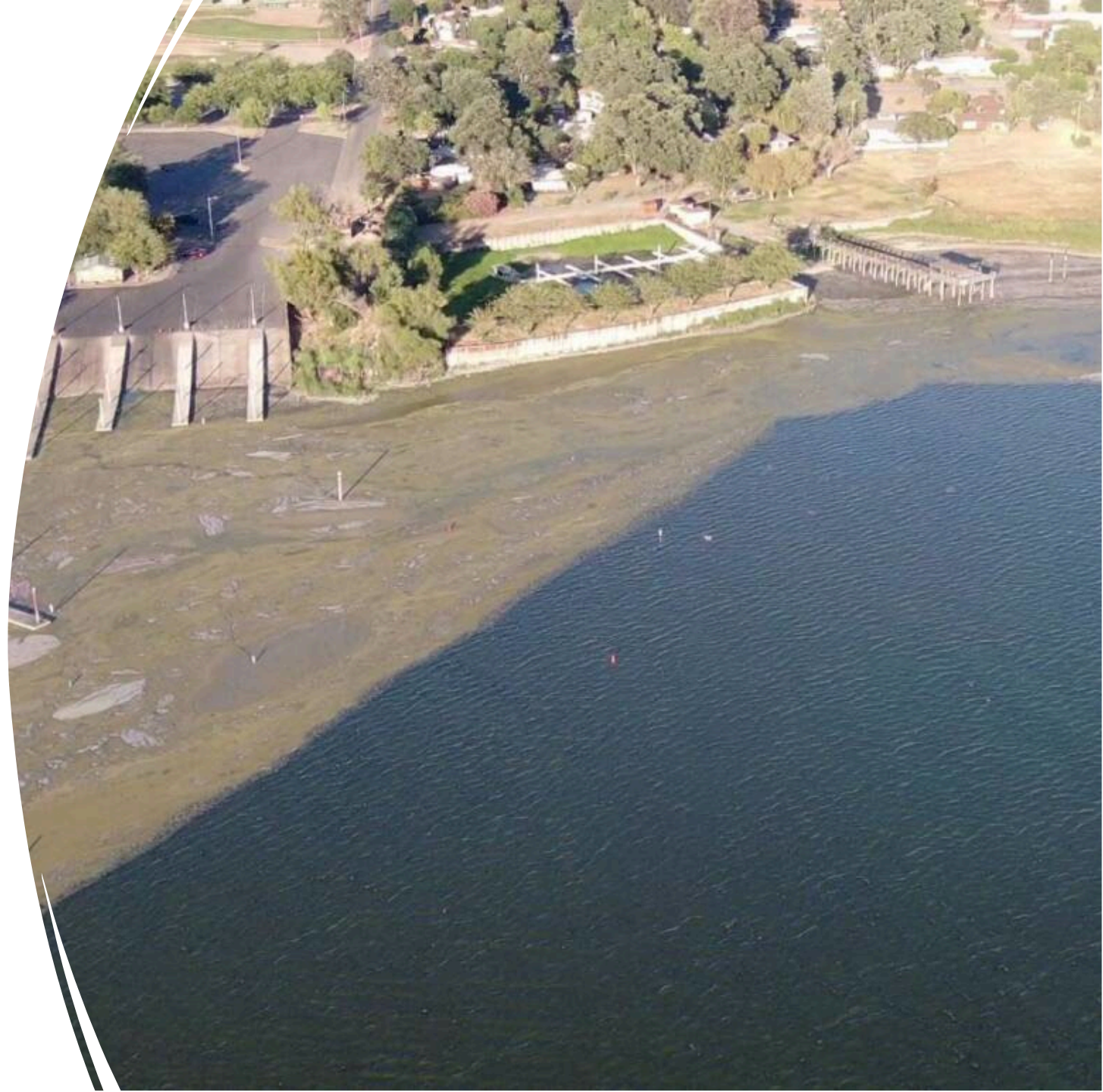
LG Sonic – MPC Buoys

- 2022, August 3 – San Francisco Chronicle – Toxic algae in this Northern California lake is corrupting drinking water and causing ‘horrendous’ smells
 - “...the stench alone from the blue-green algae blooms has been enough to discourage residents from using the lake recreationally or even getting close.”
 - “These blooms can produce toxic chemicals that, upon exposure, can cause varying levels of sickness and severe health effects in people...”



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- 2021, September 23 – Press Democrat – Visitors Warned Not To Swim in Clear Lake, Avoid Boating in Eastern Arms Due to Blue-Green Algae
 - “State water regulators have issued a new round of warnings about recreating in Clear Lake because of concerns about potentially dangerous blue-green algae blooms that could sicken people or pets, and they are advising boaters to steer clear of the eastern part of the lake.”



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- 2019, July 30 – Press Democrat – Swimmers, Boaters Urged To Stay Out of Certain Clear Lake Areas Because of Blue-Green Algae
 - “Four areas are of particular concern, including the water around Austin Park Beach and Redbud Park, both in Clearlake. Both locations also had high microcystin levels last August, according to state records.”



LG Sonic – MPC Buoys

- **Health**
 - Reduction in health hazards to humans and pets
- **Ecological**
 - Cleaner environment for our wildlife to flourish
- **Economical**
 - Good reputation, increased business with increased tourism.
- **Water District**
 - Decreased cost in treatment



LG Sonic: MPC Buoys



Specs

- 441 lbs
- 86 in (l) x 100 in (w) x 34 in (h)
- 7.2 ft (l) x 8.3 ft (w) x 2.8 ft (h)

Features

- Ultrasonic Algae Control
- Minimal Maintenance
- Remotely Operated
- Water Quality Data

<https://youtu.be/yASdqVvmFFY>

LG Sonic – MPC Buoys – Revised Proposal

Clearlake Arm



LG Sonic – MPC Buoys

- **Cost**
 - Year 1 - \$691,055.40 for 14 MPC Buoys
 - 4 total out of the 14 MPC Buoy Pros for data collection
 - Year 2 - \$251,291.80
 - Total Cost - \$921,407.20



LG Sonic – MPC Buoys

- **Clean Lake Contract**
 - Since 2011
 - June 13, 2023 signed new contract
 - \$225,000 per year
 - \$2.4 million spent since 2011
 - BOS sets aside funding



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- **Potential Funding Partners**
 - State of California
 - Yolo County Flood Control
 - Water Utility Districts
 - CalPine

