

## **LAKE MANAGEMENT REPORT- January 2024**

**Water Quality:** With cooler temperatures and rain, the presence of Blue-Green algae in the lake has naturally dissipated. The algae was especially significant along the Oakshore shoreline as it would blow into this area and congregate in between docks. With this algae behind us, we are now seeing consistent clarity throughout the lake. Rainstorms during the winter will affect the clarity for certain periods of time as particles from runoff into the lake settle to the lake floor. Also, during these storms, the lake can accumulate a significant amount of trash which can be a daunting task for the lake maintenance crew to clean. Please be patient during these times.

**Auditing:** Boat auditing is required every year from LA and Ventura Counties which means every boat on the lake needs to be accounted for, and all information accurately sent to both. Thankfully throughout 2023 we have been auditing the lake on a very regular basis which has made sending this information very easy.

**Dam Channel Deadwood Clearing:** During January we will clear fallen branches and deadwood from the creek below the dam. This will ensure water moves freely through this channel and also a necessary task for fire abatement.

**Oxygenation:** During 2024 we will be trialing a few different forms of Oxygenation to the lake, this will help ensure enhanced water movement and higher dissolved oxygen readings during the summer which will greatly improve the long-term health of the lake and help to continue to provide consistent lake clarity.

**Carp Control:** Even after the first couple of rains of the winter, very few Carp have been observed in the lake. This continues to be a great sign that we have the population under control. We will continue to always stay aggressive in keeping the numbers as low as possible.

**Sediment Relocation:** We will be working around the launch ramp area and specific marina docks to relocate significant sediment buildup that has formed over many years of exit flow from the Firehouse drain.

**2024 Projects:** We look forward to completing numerous different projects and upgrades this year that include;

\*Adding a fob system to all Marina dock gates. This will ensure added security to the docks.

\*Installing instrumentation into the dam to give us real time information as to any movement or uplift that may occur during a natural disaster.

\*Replace aged decking on public marina dock 700

\*Addition of aeration to specific locations

\*Second application of ALUM Sulphate to help prevent Phosphorus release.

\*Clearing of dam wing wall drains.