



LAPA - West

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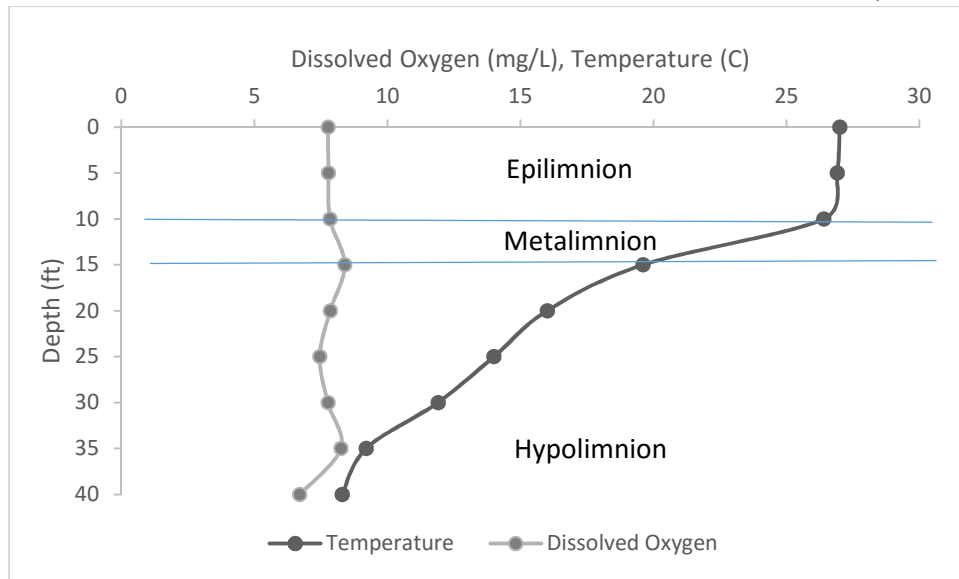
Otis Reservoir Cyanobacteria Monitoring

On June 25, 2025, one sample was taken at the dam, one sample at the Marina, one sample at Lands End, and one sample was taken at 40 feet. All four samples had 0.1 parts per billion for phycocyanin (the pigment specific to cyanobacteria). The cell counts at the dam were 1000 cells/mL of *Microcystis*, at the Marina was 1,300 cells/mL of *Microcystis* and 300 cells/mL of *Dolichospermum* for a total of 1600 cells/mL. At Lands End the cell counts were 1500 cells/mL of *Microcystis* and 200 cells/mL of *Microcystis* at 40 feet. The cell counts are nowhere near the state's threshold of 70,000 cells/mL. The lake at this sampling time is okay.

The temperature and dissolved oxygen levels were collected from 1 to 40 feet. The oxygen levels are steady throughout the water column with a increase at 15 feet, then it decreases. The secchi depth was 11.0 feet.

Two samples were submitted to Microbac for total phosphate analysis.

Figure 1. Estimated Lake Stratification (where 0 is the surface of the lake) for the deep hole



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