

# Hurricane Aquatics, LLC

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I5746 E-1

## Lake Maintenance Service Report

**ACCOUNT:** Viewpoint Lake, Sun City Recreation  
10626 West Thunderbird Blvd, Sun City, AZ 85351  
**TO:** Brian Duthu / Terry Klatt  
**FROM:** Janet Scheffman / 950158  
**DATE:** Week of 27 January 2025  
**FAX #:** (623) 876-8341

The water levels remain at normal full levels after the lake was refilled in November (2023) and levels were close to the same as last week

All four of the fountains are operational as of April; 103<sup>rd</sup> Av, Bayside, and the Rec Center. Cameo Bridge now has a new fountain to replace the much older model

Waterfall pump was not running again this week. With such a large lake and the cooler weather the lack of water movement with the waterfall running has little to no affect on the main body of the lake.

Average surface temp: 50.5 F  
Average bottom temp: 50.0 F  
Salinity: 0.2 ppt  
Dissolved oxygen: 7.31 mg/L (surface) / 6.98 (bottom)  
Secchi: 5 feet 1 inches  
pH: 8.2  
Current water levels: +3.0

No changes in water temperatures but the oxygen levels are lower this week because of cloudy conditions mid-week and no appreciable wind action the past few days.

The clarity is reduced this week and most of the lake bottom is not visible. There is more turbidity in the lake from suspended solids like dirt that can get into the lake from the street and from the rock and gravel areas near the lake. There have been several days over the past couple weeks with high winds and that can contribute to the turbidity. The lake is slightly brown and not green so turbidity from runoff and not algae in the water column.

There were no bottom algae seen on the surface or the bottom of the lake and very little planktonic algae in the water column. No aquatic weeds seen.

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There were reports and complaints of some filamentous algae growth that fishermen are pulling up with their lines. (Filamentous algae is the long, stringy horsehair looking algae). None of the filamentous growth is visible in the shallow perimeter areas where the lake bottom is visible or on the lake walls. The growth must be in the deeper middle sections of the lake. With the current water temperatures any algaecide treatments would be ineffective because the algaecide is not effective in water in the 50s. With some warming coming next week we will likely start to see a slight increase in water temperatures even in early February.

There was some trash and debris after some windy weather but all debris is skimmed.

Periodic treatments (usually 1-2 times a month) with algaecide are done in the warmer months on the boat ramp are done as a safety precaution because the algae make the ramp slippery. With the cooler weather I have discontinued the treatments.

One dead trout but waterfowl mortality seen.

The fecal coliform water samples were taken but there is some turn around time at the lab before results.

Warning: None

Pesticides can be hazardous. Please keep children and pets away until applications are dry, dissipated, or aerated. For additional information contact Hurricane Aquatics (license # 5746) at (602) 619-8492.