

# 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:** Barry Masloff  
**FROM:** Janet Scheffman / 950158  
**DATE:** Week of 04 March 2024  
**FAX #:** (623) 876-8341

The water levels remain at normal full levels after the lake was refilled in November (2023) and down from last week.

There were no floats currently on the Rec Center fountain, just the water line. The other fountains have floats and 1/3 are running (Cameo), Bayside and 103<sup>rd</sup> street were not running this week.

Average surface temp: 63.5 F

Average bottom temp: 63.1 F

Salinity: 0.2 ppt

Dissolved oxygen: 7.31 mg/L (surface) / 6.81mg/ L (bottom)

Secchi: clarity to the lake bottom / pH: 8.2

Current water levels: -2.0 (the lake was checked prior to rainfall on Thursday)

March is usually the month when the temperatures show rapid increases with the longer, hotter days. This week was cooler and had some rainfall later in the week, but air temperatures will be back to the upper 70s next week.

The lake still has clarity to the bottom but more of a green tint with an increase in planktonic algae in the water column.

The algae biomass increased from last week and there was some new filamentous algae growth on the surface. The wind pushed most of the algae to the north end of the lake and it had accumulated there in mats.

With the cooler, cloudy and rainy weather this week algaecide treatments would be only marginally effective and not cost effective, so no treatments were done. I can treat next week if needed.

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The algae biomass has already started to increase more quickly as the water temperatures increase and the hours of daylight increase.

No fish mortality seen, or waterfowl losses seen. The trout did well this winter and that is another indication that the lake chemistry is safe for fish populations.

The waterfall pump remained off again this week and there is trimming and other structural work going on and around the lagoon.

Some of the usual winter waterfowl such as Canadian geese have moved over the past weeks as the lake has filled back on. The population numbers of seasonal waterfowl remain low (around 45 - 50) and that is lower than most larger lakes.

I still have not seen any midge flies yet, either larval stages or adult flies in Viewpoint yet but I am seeing midges hatching out in other lakes in the area.

The midges usually start to hatch out in the spring months; they are pests, but they are not disease vectors like mosquitoes.

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