

# 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 19 February 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.

With the warmer weather and longer, sunny days the water temperatures are increasing at a faster rate and the rate of evaporation increases.

There were no floats currently on the Rec Center fountain, just the water line. The other fountains have floats and 2/3 are running (Cameo and 103<sup>rd</sup> Steet are running) and Bayside was not.

Average surface temp: 60.8 F  
Average bottom temp: 60.5 F  
Salinity: 0.2 ppt  
Dissolved oxygen: 7.40 mg/L (surface) / 6.99 mg/ L (bottom)  
Secchi: clarity to the lake bottom / pH: 8.2  
Current water levels: +2.5

March is usually the month when the temperatures show rapid increases with the longer, hotter days.

The lake has clarity to the bottom and the small increase in turbidity after the rains early in the month has cleared up.

The algae biomass remains low; there was some bottom algae growth seen but none is floating to the surface, no filamentous algae growth seen. The water is so clear because of the lack of appreciable planktonic algae in the water column.

The algae biomass will start to increase more quickly as the water temperatures increase and the hours of daylight increase.

## **Viewpoint Lake service report**

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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 was off again this week and there is trimming and other structural work going on and around the lagoon. Having the waterfall off and no water flowing into the lake from the lagoon does not affect the lake conditions because the lake is so large.

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 have not seen any midge flies yet, either larval stages or adult flies. The midges usually start to hatch out in the spring months; they are pests, but they are not disease vectors like mosquitoes.

If there are any issues with algae growth, aquatic weeds or large populations of midge flies in the next few weeks these issues can be addressed. There is a larvicide to control the midges and aquatic dye, algaecides, herbicides can be used to combat algae and aquatic weed growth if needed. If I need to use chemicals, they are all labeled safe for fish so I can treat chemically, and we can still add fish. I am onsite weekly so any issues would be seen in the early stages and addressed.