

Hurricane Aquatics, LLC

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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 26 February 2024
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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 103rd Steet are running) and Bayside was not.

Average surface temp: 61.9 F
Average bottom temp: 61.5 F
Salinity: 0.2 ppt
Dissolved oxygen: 7.29 mg/L (surface) / 6.72mg/ L (bottom)
Secchi: clarity to the lake bottom / pH: 8.2
Current water levels: +1.5

March is usually the month when the temperatures show rapid increases with the longer, hotter days. Water temperatures will increase to the 70s in March.

The lake still 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 lake has a green tint from planktonic algae in the water column, but the biomass remains low.

There were several mats of bottom algae floating up in the lagoon area; this area is shallow and stagnant with the pump off. With the growth limited to the lagoon area I am not chemically treating.

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The algae biomass will start 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 was 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 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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