

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 05 February 2024
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The water levels remain at normal full levels after the lake was refilled in November (2023) and up from last week. There was rain several days of the week but no issues with high water levels or flooding.

There was little evaporation last week with appreciably cooler temperatures and cloudy and rainy weather.

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: 56.3 F
Average bottom temp: 55.9 F
Salinity: 0.2 ppt
Dissolved oxygen: 7.59 mg/L (surface) / 6.88 mg/ L (bottom)
Secchi: clarity to the lake bottom / pH: 8.2
Current water levels: +5.50

The water temperatures dropped from the cool down and the rainfall, but the oxygen was slightly lower because of the cloudy weather.

The lake still has clarity to the bottom but there was turbidity in the water column which is normal after several days of rainfall. Rainwater brings in debris from the street and from the yards of the homes adjacent to the lake.

The algae biomass was low because of recent cooler weather and several days of rain and cloudy skies. When the long hours of sunshine come back there will be more algae seen in the water column.

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No fish mortality seen, or waterfowl losses seen.

More trash and debris than usual because of the rain runoff but the debris was skimmed off.

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.