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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 15 January 2024

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The water levels remain at normal full levels after the lake was refilled in November (2023).

With the coolest months of the year here the rate of evaporation is much lower than the warmer months, but water temperatures usually start to increase in February.

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: 56.0 F
Average bottom temp: 55.6 F
Salinity: 0.2 ppt
Dissolved oxygen: 8.19 (surface) / 7.99 mg/ L (bottom)
Secchi: clarity to the lake bottom / pH: 8.2
Current water levels: +4.00

There is rain forecast over the weekend and into next week and there is space in the lake for runoff.

The lake still has clarity to the bottom and there is some bottom algae growth on the lake bottom. All of the bottom algae growth remains on the bottom, none is floating to the surface.

The lake remains well mixed vertically with similar water chemistry readings from surface to bottom.

There is a slight green tint to the water from planktonic algae growth, but overall algae biomass remains very low.

No fish mortality seen or waterfowl losses seen.

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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 are still low (around 45 - 50) and that is lower than most larger lakes.