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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 25 December 2023

FAX #: (623) 876-8341

The water levels remain at normal full levels after the lake was refilled in November (2023), just slightly lower than last week.

With the coolest months of the year here the rate of evaporation is much lower than the warmer months. The rain last week had no effect on water levels or on the lake conditions.

There were no floats currently on the Rec Center fountain, just the water line. The other fountains have floats and 2/3 are running.

Average surface temp: 57.0 F
Average bottom temp: 56.5 F
Salinity: 0.2 ppt
Dissolved oxygen: 8.13 (surface) / 7.99 mg/ L (bottom)
Secchi: clarity to the lake bottom / pH: 8.2
Current water levels: +5.75

The lake still has clarity to the bottom and while there is some bottom algae growth on the lake bottom there are no floating mats.

The lake is also 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 but there was one trout struggling; the fish may have been caught and was injured. Unless a fish is dead, I leave it in case it will survive.

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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.

Because the lake was not refilled during the early fall months, I have not seen the usual heavy influx of coots (only 2 coots seen again this week). Coots tend to move into the valley during overseeding so many seemed to have settled elsewhere for now.