

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: Brian Duthu

FROM: Janet Scheffman / 950158

DATE: Week of 10 June 2024

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The water levels remain at normal full levels after the lake was refilled in November (2023) and no change in water levels from last week.

All four of the fountains are operational as of April; 103rd Av, Bayside, Cameo Bridge and the Rec Center. Cameo Bridge fountain is running but the nozzle is getting clogged.

Average surface temp: 82.7 F
Average bottom temp: 82.3 F
Salinity: 0.2 ppt
Dissolved oxygen: 5.95 mg/L (surface) / 5.60 (bottom)
Secchi: 5 feet 08 inches
pH: 8.2
Current water levels: +3.0

With the extreme summer heat here now the water temperatures will stay more stable over the next few months. It is very hot but the weather is consistent, so water temperatures are as well.

The average lake clarity remains high, especially for the warmer months. There is some planktonic algae in the water column which give the lake a green tint but the planktonic growth remains uniform and there are no surface algae blooms.

The planktonic growth in the water column has reduced the clarity slightly since last month but close to 6 feet of clarity in the summer months is unusual for most valley lakes.

The past 3-4 weeks there has been bottom algae growth that is floating to the surface in the daylight hours. This type of algae is only very marginally controlled with algaecide so the lake was treated with 45 gallons of lake dye this week. Most of the bottom algae mats on the surface were along the north side of the lake of the lake because of the wind patterns.

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The dye reduces the amount of sunlight to the lake bottom and retards the bottom growth. It also improves the coloration of the lake from the green tint of planktonic algae. The dye is safe for fish and waterfowl and can be used as needed.

The mats of filamentous algae that were treated earlier last month has died back.

The waterfall is running normally as is the fountain and aeration in the lagoon area.

Treated around and on the boat ramp with liquid captain algaecide again this week because the ramp gets slippery . Periodic treatments (usually 1-2 times a month) with algaecide in the warmer months on the ramp are done as a safety precaution.

No waterfowl losses seen; one dead fish (very decomposed trout).

The majority of the seasonal waterfowl have taken off with the recent increase in temperatures and longer days. The lake has some permanent water birds but much fewer than most lakes of a similar size.

There were some midge flies seen around the lagoon area in the spring, but none seen after the recent more summer like temperatures.

Warning: None

Pesticides can be hazardous. Please keep children and pets away until applications are dry, dissipated, or aerated. For additional information contract Hurricane Aquatics (license # 5746) at (602) 619-8492.