

# SOLITUDE

LAKE MANAGEMENT



## Century Village East Master Waterway Inspection Report

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**Reason for Inspection:** Routine Scheduled

**Inspection Date:** 2024-04-10

**Prepared for:**

Century Village East Master Management  
Mr. Robert Streater  
3501 West Drive  
Deerfield Beach, FL 33442

**Prepared by:**

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Site: 2



**Comments:** Treatment in progress

Minimal amounts of algae and were visible at this time. The aquatic plant, Vallisneria is undergoing annual treatments and continues to decompose.

Site: 4



**Comments:** Treatment in progress

Dead torpedo grass has decomposed. Traces of Water lettuce were observed near the shoreline. Algae was observed on the decomposing vallisneria and hygrophila.

Site: 5



**Comments:** Requires attention

Torpedograss was observed along the shoreline. A moderate amount of Chara was observed below the surface. Some surface algae was seen along the shoreline. Several snakeheads were observed along the shoreline.

Site: 6



**Comments:** Treatment in progress

Dead Torpedograss was observed along the shoreline and continues to decompose. Vallisneria is dying and decomposing. Small patches of spatterdock (similar to a water lily) were seen.

Site: 7



**Comments:** Treatment in progress

Traces of torpedograss and algae was observed along the perimeter of the lake. Vallisneria growth continues to be treated.

Site: 8



**Comments:** Site looks good

Traces of surface algae and torpedograss was observed along the shoreline. Chara was also observed below the surface.

Site: 9



**Comments:** Treatment in progress

Torpedo grass has been treated and is dying/decomposing along the shoreline. Chara (a macrophytic algae) can be seen below the surface.

Site: 10



**Comments:** Site looks good

Lake bank the native plant bacopa has been treated. Traces of algae were observed. Littoral plants are doing well and have recovered.

**Site: 11**



**Comments:** Site looks good

Traces of algae and torpedograss were seen. Small non-native trees along the shoreline should be cut down and removed by the landscape company.

**Management Summary**

On 4/10/2024, a site inspection was performed to assess the overall health of the lakes for Century Village East Master Management. Overall, the lakes appear to have a very healthy balance of fish, wildlife, and vegetation. Fish species observed in the waterways included Gambusia, Bass, Tilapia and Bream. Bird species utilizing the lakes included Egyptian geese, Muscovy ducks, and limpkins. There were also several turtles present during the inspection. Lake 10 seems to support a large population of turtles.

The shoreline Torpedo Grass throughout the entire system has been treated is decomposing or has completely decomposed. Aquatic plants were observed included non-native Water lettuce, Hygrophila and Hydrilla. Native aquatic plants were also observed, Vallisneria and Chara. A biological benefit of Chara, is that it is very rare to find mosquito larvae in the water where the Chara is present. Vallisneria provides valuable habitat for the fish and other aquatic wildlife. Our ongoing goal is to control these plants below the surface without completely eliminating them. Chara and vallisneria both help reduce nutrient run-off and improve water clarity.

All fountains and the aeration system were functioning normally.

**Recommendations/Action Items**

At this time, we will continue with our ongoing annual treatments for the aquatic plants. Any new algae and shoreline grass growth will be treated as required.

The waterways at CVE could utilize several of the services provided by Solitude. The continued installation of fountains and aeration systems will improve aesthetics and water quality. Other services would include fish stocking, littoral plant installation, erosion control and water quality testing.

Please let me know if you have any questions regarding my inspection.

