

SOLITUDE

LAKE MANAGEMENT



Century Village East Master Waterway Inspection Report

Reason for Inspection: Quality Control

Inspection Date: 04/27/2020

Prepared for:

Century Village East Master Management
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Prepared by:

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Site: 2



Comments: Site looks good

Traces of Torpedo grass, Alligator weed, and Water Hyacinth were observed along the shoreline, No algal issues were visible at this time.

Site: 4



Comments: Treatment in progress

Traces of scattered Torpedo grass were observed along the shoreline. Traces of Water Hyacinth were observed near the shoreline. Traces of East Indian Hygrophilla were observed below the surface. No algal issues were visible at this time.

Site: 5



Comments: Treatment in progress

Traces of Torpedo grass were observed along the shoreline. A moderate amount of Chara were observed below the surface. Traces of scattered East Indian Hygrophilla were observed below the surface. No algal issue was visible at this time.

Site: 6



Comments: Site looks good

Traces of scattered Torpedo grass were observed along the shoreline. Traces of windblown East Indian Hygrophilla were observed at the surface. No algal issue was visible at this time.

Site: 7



Comments: Treatment in progress

Traces of Torpedo grass was observed along the perimeter of the lake. No algal issue were visible at this time. Hydrilla was seen at various locations throughout the lake. Treatments are being to control its growth.

Site: On 4/27/2020, a site inspec

Comments:

Site: The current management p



Comments: Normal growth observed
Traces of Torpedo grass were observed along the shoreline.

Site: 9



Comments: Site looks good
Traces of Torpedo grass were observed along the perimeter of the lake. No algal issues were visible at this time.

Site: 11



Comments: Site looks good

Traces of torpedograss and algae

Management Summary

On 4/27/2020, 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, and Bream. Bird species utilizing the lakes included Egyptian geese, Muscovy ducks, and a Cormorant. There were also several turtles present during the inspection.

In general, the shoreline had several regrowth of Torpedo Grass. Aquatic plants were observed in mostly traces to a minimal amounts including Water Hyacinth and Hygrophila. East Indian Hygrophila (*Hygrophila polysperma*), is a noxious weed originated from Asia. Hygrophila blooms in fall and winter. It is known to grow so rapidly, outcompetes and eliminate native species. Chara (*Chara globularis*), a type of algae that has the appearance of a vascular plant, was also observed in traces. A biological benefit of Chara, is that it is very rare to find mosquito larvae in the water where the Chara is present. The goal is to control these plants below the surface without completely eliminating them.

Recommendations/Action Items

The current management plan requires a minimum of 48 visits per year (weekly) and bimonthly debris removal. This maintenance plan is successfully controlling the aquatic plants, algae, and grasses. During the last treatment the technician treated shoreline Torpedo grasses, East Indian Hygrophila and Water Hyacinth and physically removed debris from the site. Solitude Lake Management will continue the current management plan for the lakes. The technician will return to the site weekly and treat again, as needed. The next debris removal will be on March.

Please contact Solitude Lake Management if you have questions or concerns regarding the lakes for Century Village East Master Management or any of the additional services, we can provide for your waterways such as littoral plantings or aeration installation and maintenance.

