



Placido Bayou

Waterway Inspection Report

Reason for Inspection: Customer Request

Inspection Date: 2/27/2014

Prepared for:

Ms. Dietta Burgoyne
4691 Laurel Oak Lane NE
St. Petersburg, Florida 33703

Prepared by: Kyle Vincent, Service Manager

Aquatic Systems, Inc. - St. Petersburg Field Office
Corporate Headquarters
2100 N.W. 33rd Street, Pompano Beach, FL 33069
1-800-432-4302

Site: 1



Comments: Site looks good.

Fresh grass clippings observed in several ponds. Fact: Within 24 hours of entering water column all phosphorus is released into water column.

Site: 2



Comments: Normal growth observed

Trace amounts of Torpedogross observed. Technician will address during next scheduled visit.

Site: 3



Comments: Normal growth observed

Trace amounts of resistant algae observed. Highly recommended for Alum treatment and possibly increased aeration.

Site: 4



Comments: Requires attention

Grass clippings observed. Filamentous and Planktonic Algae growing as a result. Will treat upon next scheduled visit.

Site: 5



Comments: Site looks good.

Example of clear outflow structure at top right. Cattails being requested for removal at bottom right.

Site: 6



Comments: Site looks good.

Giant decomposing Bulrush photographed to the right is scheduled for removal in early March.

Site: 7



Comments: Site looks good.

Trace algae observed. To be treated on next scheduled visit.

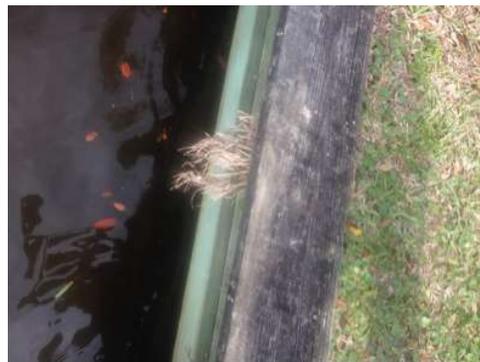
Site: 8



Comments: Normal growth observed

Trace grasses observed. To be treated on next scheduled visit.

Site: 9



Comments: Site looks good.
Seawall grasses observed decomposing from last treatment.

Site: 10



Comments: Site looks good.
Recommend resodding. Erosion evident. Also, more grass clippings observed entering system.

Placido Bayou Inspection Report | 2/27/2014

Management Summary

On Feb 7, 2014, at 4:06 PM, Jean & George Catanese wrote:

Good afternoon Kyle,

Thank you for meeting with me this morning at 11:30 am. I want to recap our plan to remove the brown/dead plants in our ponds. The PBCA Lake Committee prefers not to let dead plants decay in the water since this would add further nutrients to our storm water ponds. We request Aquatic Systems, Inc. to schedule manual removal dates as soon as possible.

1. First priority is to have the browned out/dead bulrush and nuisance vegetation manually removed from ponds 6 & 4. Kyle and I discussed this taking one full day with 3 technicians doing the work...estimated cost is \$1,300. Please confirm.
2. Second priority is to have the browned out/dead bulrush and nuisance vegetation manually removed from ponds 1, 2, 5, and 8. These ponds have smaller amounts of bulrush, so could possibly be done in one day at an estimated cost of \$1,300. Please confirm.
3. Third priority is to have the cattails behind the office in pond 5 trimmed back at the corners (allow growth only behind the office property)...nuisance vegetation should also be removed in this area as well. This could be a third day of manual cleanup at an estimated cost of \$1,300. Please confirm.
4. As the above work is being done, an overall standing request is to remove any vegetation in front of culverts and outfalls which may block water flow.

The mission of the PBCA Lake Committee has been and will continue to be - Improve Water Quality, Slow Erosion, and Improve Wildlife Habitat. We would like to continue to work with ASI in order to reach our goals. Manual Aquascaping is a key component to our overall vision.

- A long term plan is to use Alum treatments in the remaining 5 ponds in between July 2014 and June 2015 to improve their water quality...ponds 1-3 and 9-10.
 - Once water quality improvement is verified this summer in the 5 ponds already treated with Alum (ponds 4-8), aquatic plantings will begin in these ponds. We would like Aquatic Systems, Inc. to suggest suitable plants to be used in PBCA's ponds based on height (try to keep low/under 5 feet), flowering potential, salinity needs, and overall survivability rates. We will meet with ASI to discuss the list of suitable plants and the planting areas in June 2014.
 - We will share information with ASI as various bank stabilization projects are confirmed for selected PBCA shorelines. Living shoreline methods are preferred, such as earthen block and geo textiles, in conjunction with plantings. This work may be 1-3 years in the future.
- If anyone has any questions, suggestions, or concerns...please contact me.

Recommendations/Action Items

To answer your questions and express our recommendations I have included and replied to your email here for everyone's benefit.

1. As per our discussion/meeting in February we are preparing for two manual Aquascaping days in March to focus on the removal of specified bulrush. Our focus the first day will be on the removal of decomposing bulrush in ponds 6 and 4 which is tentatively scheduled for March 7th. We will accomplish as much as possible in 8 site hours with 3 technicians. To clarify, this is 24 hours of labor at a preferred customer rate of \$1300.00. We will do our very best to meet and exceed your expectations.
 2. Our second removal day tentatively scheduled for March 14th will focus on the removal of decomposing bulrush on ponds 1,2,5 & 8. Again, we will accomplish as much as possible in 8 site hours with 3 technicians. To clarify, this is 24 hours of labor at a preferred customer rate of \$1300.00.
 3. A third day focusing on the cattails on pond number 5 will be possible however will likely need to be scheduled for a later month likely April.
 4. To address the request to remove any vegetation in front of culverts and outfalls which may block water flow: This is part of our regular maintenance and is performed on every visit. If there is a specific location where you find this is not the case please bring it to our attention and we will have it addressed immediately.
- We are prepared, once instructed, to arrange for Alum treatments to be performed on the remaining 5 ponds (1-3, 9 & 10).
 - At this time we are in the process of putting together a planting proposal with our recommendations of plants that meet your specific needs.

Thank you for choosing ASI and allowing us to help make your lakes and ponds beautiful!

