



# Placido Bayou Community Association Waterway Inspection Report

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**Reason for Inspection:** Routine Scheduled - Monthly

**Inspection Date:** 2/16/2016

**Prepared for:**

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

**Prepared by:**

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Site: 1



**Comments:** Site looks good  
Beneficial plants are becoming mature and are spreading.

Site: 2



**Comments:**  
Beneficial plants are mature. Trace amounts of Torpedograss are growing within Gulf Spikerush. The Torpedograss will be controlled before it can overtake the beneficial plants.

Site: 3



**Comments:** Site looks good

The Gulf Spikerush is spreading and maturing here. This offers an especially great defense against wave action and erosion in this larger lake.

Site: 4



**Comments:**

Probiotics are continuously used here. The pond is showing much less algae.

Site: 5



**Comments:** Site looks good

Some cattails have broken away and floated to the other side of the lake. Here they have been targeted with herbicide. They are dying and will eventually decompose into the lake in 6-12 months. If Placido Bayou would like this large mass removed by ASI, we can remove it on next scheduled visit for \$300 on a work order.

Site: 6



**Comments:** Site looks good

Though the pond looks good now, we are scheduled for a large scale alum treatment next month. This treatment will help reduce the Phosphorous levels in the pond. Our yearly chemistry indicated we again are in need of this treatment. Probiotics are continuously used in this pond.

Site: 7



**Comments:** Site looks good

The lake is free of algae at this point in time. Established beneficial plants continue to grow and add to shoreline erosion protection through means of breaking down wave action. Bottom right shows Bulrush regrowth from a previous physical removal. February's herbicide treatment will help control regrowth as the younger Duck Potato plants continue to grow.

Site: 8



**Comments:** Site looks good

Though the pond looks good now, we are scheduled for a large scale alum treatment next month. This treatment will help reduce the Phosphorous levels in the pond. Our yearly chemistry indicated we again are in need of this treatment. Bottom right shows an area beginning to show erosion.

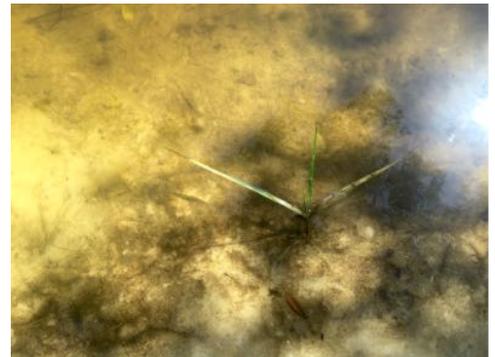
Site: 9



**Comments:** Site looks good

Recent test plot planting seems to not be successful. I do see some stems of where the plants were put. They may regrow in the spring.

Site: 10



**Comments:** Site looks good

Smooth Cordgrass is doing well in this site. Though it grows slow in the Winter, it is evident this plant is surviving in this aquatic ecosystem.

**Management Summary**

1. Beneficial plants are becoming mature and are spreading.
2. Beneficial plants are mature. Trace amounts of Torpedograss are growing within Gulf Spikerush. The Torpedograss will be controlled before it can overtake the beneficial plants.
3. The Gulf Spikerush is spreading and maturing here. This offers an especially great defense against wave action and erosion in this larger lake.
4. Probiotics are continuously used here. The pond is showing much less algae.
5. Some cattails have broken away and floated to the other side of the lake. Here they have been targeted with herbicide. They are dying and will eventually decompose into the lake in 6-12 months. If Placido Bayou would like this large mass removed by ASI, we can remove it on next scheduled visit for \$300 on a work order.
6. Though the pond looks good now, we are scheduled for a large scale alum treatment next month. This treatment will help reduce the Phosphorous levels in the pond. Our yearly chemistry indicated we again are in need of this treatment. Probiotics are continuously used in this pond.
7. The lake is free of algae at this point in time. Established beneficial plants continue to grow and add to shoreline erosion protection through means of breaking down wave action. Bottom right shows Bulrush regrowth from a previous physical removal. February's herbicide treatment will help control regrowth as the younger Duck Potato plants continue to grow.
8. Though the pond looks good now, we are scheduled for a large scale alum treatment next month. This treatment will help reduce the Phosphorous levels in the pond. Our yearly chemistry indicated we again are in need of this treatment. Bottom right shows an area beginning to show erosion.
9. Recent test plot planting seems to not be successful. I do see some stems of where the plants were put. They may regrow in the spring.
10. Smooth Cordgrass is doing well in this site. Though it grows slow in the Winter, it is evident this plant is surviving in this aquatic ecosystem.

**Recommendations/Action Items**

## General Recommendations:

- a) eliminate grass clippings entering the pond
  - b) eliminate overspray of sprinklers
  - c) do not blow leaves down the storm drains.
  - d) limit reclaim water
  - e) do not fertilize as reclaim water already has an elevated nutrient load
- 1) no recommendations at this time
  - 2) We will continue to monitor the invasive plants growing inside of beneficial plants
  - 3) no recommendations at this time
  - 4) no recommendations at this time
  - 5) I recommend discussing if PBCA would like to allow the cattails to decompose inside the pond or be physically removed by ASI on work order.
  - 6) We will monitor the success of March's large scale alum treatment.
  - 7) We will continue to monitor the area for Bulrush regrowth.
  - 8) We will monitor the success of March's large scale alum treatment.
  - 9) I recommend not planting again in this site.
  - 10) I recommend planting Smooth Cordgrass at this site. We will continue to monitor the Black Needle Rush for it's success in pond 10.

