

# Riverwood CDD

## Severn Trent Services Field Management Report Site Inspection – February 03, 2015

- 1. Lake Management:** Overall the lakes look good. The clarity is good, water levels are average for this time of year, shoreline weeds are acceptable, and there is minimal to no algae present

Lake management details are provided below.

RIVERWOOD LAKE INSPECTION FIELD SHEET						
DATE: 020315		By: M. Meadows				
					<b>Water Level, Severity</b>	
<b>AW</b>	Alligator Weed	<b>HY</b>	Hydrilla	VL = Very Low		
<b>CT</b>	Cattails	<b>PA</b>	Planktonic Algae	L = Low		
<b>DF</b>	Dog Fennel	<b>PR</b>	Primrose	M = Medium		
<b>DW</b>	Duckweed	<b>TG</b>	Torpedo Grass	H = High		
<b>FA</b>	Filamentous Algae	<b>SE</b>	Sedge	<b>Clarity</b>		
<b>MI</b>	Miscellaneous Weeds	<b>BT</b>	Baby Tears	L=Low		
<b>HV</b>	Climbing Hemp Vine	<b>PW</b>	Pennywort	M=Medium		
				H=High		
Lake #	Water Level	Clarity	Algae	Shoreline Weeds	Submerged Weeds	Additional Concerns, Comments
Lake #1	L	H	N	N	N	DO 7.49
Lake #2 Wetland I						Mapping-There is no Lake #2 on the service agreement contracted map, but other maps show it as GC Hole 2 Tees. (field Reference Note).
Lake #3	L	H				DO 7.55
Lake #4	L	M	N			DO 7.23
Lake #5	L	M	N			DO 7.90
Lake #6	L	L	N	TG-L	N	DO 7.51
Lake #7	L	L	N	N	N	DO 7.92
Lake #8	L	L	N	N		DO 7.84
Lake #9	L					DO 7.61
Lake #10	L	H	N	N	N	DO 5.70
Lake #11	L	H	FA-L	TG-L, CT-L	N	CT-L along the back side of the pond provides good habitat for birds and other wildlife
Lake #12	L	H	N	N	N	DO 7.39
Lake #13	L	M			HY-L	DO 8.45
Lake #14	L	M	Y-L	N	HY-L	DO 9.00
Lake #15	L	M	N	N	N	DO 8.53
Lake #16	M	L	Y-M			DO 6.73
Lake #17	M					
Lake #18	M					
Lake #19	M					
Lake #20	M	H	N	N	N	Gator
Lake #21	M	H	N	N		
Lake #22	M					
Lake #23	M					
Lake #24	M	H	N	TG-L	N	
Lake #25	M	H	N		N	DO 5.90

Lake #26						
Lake #29				N		
Lake #30						
Lake #34						
Lake #36	L	H	N			
Lake #37	L	M	N			Abundant and variety of bird life
Reclaim						

a. **Dissolved Oxygen (DO) Tests:** The specific DO readings for this month's tested lakes have been recorded in the above table. Additional notes regarding the environmental conditions at the time of the readings are as follows: Date: 2/3/2015 1:30-3:45 PM, Average Air Temp: 74 Degrees, Sky Sunny.

Lakes above that do not have a DO reading had their DO's taken last month, and are recorded in the prior month's report.

Next DO test schedule is March 2015.

- b. **Algae:** None or very minimal.
- c. **Littorals:** No issues
- d. **Submerged:** No issues
- e. **Grass Clippings:** No issues
- f. **Landscape Vegetation Debris:** Last month landscape debris had been placed in the Lake 23. No landscape debris was found in this lake or the other lakes this month. It appears to have been a onetime incident.
- g. **Trash in Lakes:** None.
- h. **Shoreline Landscaping:** No issues.
- i. **Bulkheads:** No issues observed.
- j. **Fish Barrier:** No issues observed.
- k. **Control Structures:** No issues observed.
- l. **Fountains:** No new issues observed.
- m. **Beautiful Ponds,** Lake Report for January has not been received. Beautiful Ponds was under the impression he only had a one year contract, however, it is for two. Since speaking with him he now knows he is contracted for both the lakes and preserves through December 2015. He has treated the lakes for January and will be submitting report.

## 2. Preserves:

Aquatic Weed Control Inc. has completed the following:

- a. Preserve J (East of Bay Ridge) Exotic clearing—mostly Brazilian Pepper.



Preserve J (Small Area on the Northeast side) after clearing exotics

- After the removal of the Brazilian Pepper (BP), there is a definite visual change. The majority of the area was filled with exotics. However, the beneficial native plants have been left.
  - The remaining plants will look puny at first. The reason is because they have been shaded by the Brazilian peppers. The plants will also look crushed or flattened because of the weight of Brazilian pepper (BP), as it was cut and dropped in place, and actually landed, on top of the good vegetation.
  - Right now, the plants remaining include saw palmetto and other low growing vegetation. These plants will need a little time to adjust, but they should start looking better and filling in voids now and through the next rainy season. Also, the area has some cabbage palms and a nice oak that will remain.
  - The area will be left, as is, through the rainy season to see what adjustments Mother Nature makes, however, the area will also be watched for any exotics that may try to sprout from the seed source or try to migrate into the area, and be treated with herbicide, if necessary.
  - Then, after the rainy season is over, we will evaluate the area, and determine if it looks like it lacks plants or has a sparse look to it. If so, we will then determine if we need to add plantings and what type of native plantings should be added to the area.
- b. Tract F & G (Between Bay Ridge and Riverside Neighborhoods). Exotic removal completed. Staging area debris still need to be removed. The canal area within the CDD is now clear of exotics. However, the large Lead Trees that were left are within the Riverside neighborhood. These trees will continue to provide a seed source for the canal area. The Riverside neighborhood should look into removing the trees and replanting area with native trees.

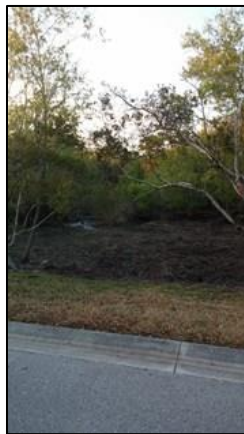


Photos: Tract F & G (Between Bay Ridge and Riverside Neighborhoods)

Left: Actual view of the canal after clearing exotic

Right: Remaining Lead Trees

- c. Preserve K (This Preserve is visible along Riverwood Dr. It is actually centered between Village Lakes, Osprey and the Golf Course.) Work efforts cleared exotics and some of the invasive Coastal willow. Residents have commented that they appreciate the work efforts and it looks nice, however, they would like to see additional Coastal willows removed in the future.



Preserve K

### 3. Facilities:

- **Pool Equipment:** No new issues.
- **Pumps, Pool Restroom, 12 Pool Lights, and Fencing Area:** No new issues.
- **Pavilion:** No new issues.
- **Activity Center:** No new issues.
- **Community Center:** No new issues.
- **Pool Pavers:** No new issues.
- **Signage:** No new issues.

### 4. Sports Courts:

- **Bocce Courts, Croquet Field, Basketball Court, Horseshoe Pits:** No new issues.
- **Tennis Courts:** No new issues.

5. **Kids Playground:** No new issues.
6. **Dog Park & Perimeter Fence:** No new issues.
7. **Roadways including Asphalt, Signage/Landscaping, Common Grounds:**
8. **Sidewalks:** No new issues.
9. **Gates:** Columns of the front entrance gates have dirt and grimy appearance and have been added to the pressure cleaning sidewalk project
10. **Storm Drainage System:** No new issues
11. **Irrigation System:** No new issues.
12. **RV Parking Lot:** No new issues.
13. **Non CDD Issues Observed:** No new issues.
14. **WWTP New Building:** Completed. Severn Trent Operations to develop move in plan and move operations into building.
15. **Resident Issue:** Several residents would like to see Coastal willow within and on preserve boundaries cut back and dead wood removed. Several would like to see more work done within their preserves to have the exotics removed from their preserves.

Note, the CDD has just recently taken back the preserve maintenance from the RCA and is playing catch up. Funding has been budgeted for more intense maintenance activities to occur this year and will continue in future years. The Riverwood CDD, Preserve Compliance Report, Prepared by Boylan Environmental Consultants, November, 2013 is used to help select and rank the order of the preserves to be addressed first. Other factors include how wet the site is, stormwater potential issues, type of plant, disposal method of exotics, cost, etc.

At this time, the CDD is subject to abide by the storm/surface water management system perpetual operations and maintenance general and specific requirements outlined in the Southwest Florida Water Management District Environmental Resources Permits for the RCDD. See the actual general and specifics of these permits in a summary format in the Stormwater Management System Inspection Report – May 2013, Prepared for the Riverwood Community Development District by BZ Consulting LLC, Report can be found at <http://riverwoodcdd.org/uploads/Riverwood - Storm Water Management Report - 5.2013.pdf>

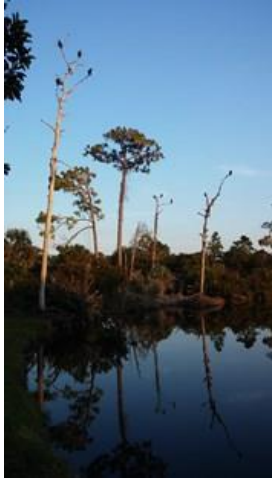
However, a Preserve Area Maintenance Plan should be created and submitted to the Southwest Florida Water Management District to outline maintenance recommendations to assist the CDD in maintaining the preserve areas. This agreement should address maintenance as a whole for the CDD preserves, but also within the wording allow the ability to address such things as the Coastal willow monocultures that have developed overtime.

**16. Fish/Wildlife Observations:**

This month there has been an increase in certain bird populations.

- |  |  |   |  |
|--|--|---|--|
| <input type="checkbox"/> Bass              | <input type="checkbox"/> Bream   | <input type="checkbox"/> Catfish                | <input type="checkbox"/> Gambusia        |
| <input checked="" type="checkbox"/> Egrets | <input checked="" type="checkbox"/> Heron  | <input type="checkbox"/> Coots                  | <input type="checkbox"/> Gallinules      |
| <input type="checkbox"/> Anhinga           | <input type="checkbox"/> Cormorant   | <input checked="" type="checkbox"/> Osprey      | <input checked="" type="checkbox"/> Ibis |
| <input type="checkbox"/> Woodstork         | <input type="checkbox"/> Otter   | <input checked="" type="checkbox"/> 1 Alligator | <input type="checkbox"/> Snakes          |
| <input checked="" type="checkbox"/> Turtle | <input type="checkbox"/> Other Species: Ducks, Anhinga/Cormorant 50 plus, Bird Rookery 150 plus, most likely Ibis, but still need closer visual to identify. |   |  |

**Photos of Bird Observation**



**Preserve P:**



**Rookery**

**17. Beach Club Report:** No updates.

**Follow up summary:**

<b>Riverwood CDD</b>	
<b>Follow Up Tasks Summary</b>	
<b>Follow Up Task</b>	<b>Action or Completed</b>
<b>CDD Tasks</b>	
Lake 16 Fish Kill Water Quality Testing, Scheda Ecological	Vertex has provided water quality and information regarding lake and proposed system, Environmental Committee reviewed, and Committee requested additional testing of same lakes and others to provide baseline for the area and to understand more about the nutrient loading. Scheda Ecological will start testing 1/13/15. Scheda Ecological update, 2/3/2015: There was a hold up with the sediment samples and only have 75% of results back as of today. Scheda is hoping to send report by Friday.
Report all issues to Beautiful Ponds	January 2015 treatment completed and report is due.
WWTP and Golf Course Maintenance area road needs fine asphalt layer removed and leveling	<ol style="list-style-type: none"> <li>1. Brazilian Peppers cleared</li> <li>2. Stumps to be removed-scheduled</li> <li>3. Irrigation needs</li> <li>4. Plantings</li> <li>5. Road repair</li> </ol> Project halted due to rookery. Investigating if noise from the project will affect the birds.
Stormwater System Inspection Report remaining items needing cleaning was awarded to two companies, Severn Trent and Landshore: Severn Trent to complete two storm drain cleaning items, which additional work is needed, additional work includes riprapping two areas. Landshore to continue working on their items	Follow up with ST regarding two items. 2/5/2015 spoke with ST staff, and they are writing proposal. Follow up on Landshores work.
Dog Park: Estimates for repair of fence and storm drain grate	Contacted Handyman for suggestion on fixing fence, Severn Trent provided quote and picture of product for storm drain grate
Fountains	Contact vendor and have work started
Back Gate barrier arms to be installed	Vendor contacted
<b>RCA Tasks</b>	Sidewalk and Columns around front gatehouse



CDD Lakes and Preserves document has been added for reference.

