

CDD Environmental Meeting Agenda

January 04, 2024

Draft Agenda 1-04-24

1) Call to Order and Roll Call

- a) Committee: Chairman Larry Lancette, () Jill Rowan () Harry Davis () Brian Murphy () John Puzine ()
Bob Daniels ()
- b) RCDD Board Liaison: Don Myhrberg. ()
- c) Environmental Consultant Hall and Associates Tim Hall ()
- d) CDD site Manager John Mercer ()

2) Committee Approvals

- a) Meeting minutes 12-07-23

3) New agenda

- a) Don Myhrberg: BOS requests

4) Lake/Ponds

- a) John Mercer Update
- b) Lake Management Reports
- c) Status of the fenced pond planting experiment
- d) Lake 15 Review the lake shoreline for potential aquatic vegetation plantings.
 - i) EC Committee should identify other CDD lake shorelines in need of aquatic vegetation plantings to mitigate bank erosion. Money is in the budget for any future plantings.

5) Preserve Management 2023

- a) John Mercer update
- b) Management Reports
- c) Preserve J2: **Postponed until February meeting for discussion.**
 - i) The October meeting options for the management of exotic removal in J2 i.e., hand cut and removal, kill in place, machine removal from the upland edges, funding over time through doing small areas each year, or tapping reserves were also explored. All options are best done during the dry season.
 - ii) Preserve O2: Tim H will develop a vegetation restoration plan to be implemented by the landowner.

6) Storm Water Management

7) Common Elements

- a) Update: JM suggested investigating stormwater drainage issues at Parcel B- Common Element ID# RR behind
 - i) Tim H plans to conduct a field review of parcels.
 - ii) Update installing drain into the Highway 776 drainage ditches.

8) New Business

9) Old Business

1/3/2024

10) Audience -Comments:

2.1 Page1

Riverwood CDD Environmental Committee Meeting Minutes – December 7, 2023

Members present – Larry Lancette (LL) chair; Harry Davis (HD); B. Murphy (BM); J. Puzine (JP); J. Rowan (JR)
Also present – RCDD Liaison: D. Myhrberg (DM); RCDD site manager: J. Mercer (JM); Environmental consultant: T Hall (TH)

1. The minutes from the 11/2/2023 meeting were approved.
2. **BOS requests** – none currently.
3. **Lakes**
 - a. JM reports that the move to vendor Aquatic Weed Control (AWC) has been an upgrade. There are now three visits a month, allowing for follow-up and improved review of issues in problem areas.
 - b. There is one resident asking for planting along the bank in Lake 16. TH and JR will assess if it falls in the priority list for planting this fiscal year.
 - c. There is currently a proposal for fountains to be installed in Lake 15 for beautification of Riverwood. The area around the lake has been cleared. Planting needs for the bank and adjacent land are being assessed. LL will forward to committee members the research on this topic completed several years ago. Fountain maintenance is expensive and was abandoned in the past. Discussion will continue in January.
4. **Preserves**
 - a. JM reports that four sprayings for exotic species were completed in the past year. There continues to be growth of species not formerly present, JM suggests this may be continued seed spread after wind events. JM reports that more attention will be focused on identifying invasive grasses in the coming year.
 - b. JM will ask AWC to look at Preserve M to assess if work could be done to knock back cattails before April or May when it has dried out.
 - c. Nuisance willows are continuing to proliferate. TH will make a priority list of Preserves with high concentrations. The committee will then make recommendations on thinning in such a way as to preserve the integrity of the Preserves while addressing the monoculture that concerns residents.
 - d. TH will forward to JM a planting plan for O2's replanting. He will focus on short grasses and possibly an oak tree. The committee approved JM proceeding with getting a bid from AWC to complete the work.
5. **Storm Water System**
 - a. Lake 55's culvert was rebuilt, and it has failed. The contractor has been apprised and will correct the work.
 - b. Residents continue to complain of plants in the lakes and request removal. When these concerns arise JM and DM provide education on the purpose of the aquatic plants and the requirements set up in Riverwood permits to maintain planting on littoral shelves.
6. **Common Elements**
 - a. TH will look at the permits for existing connections between lakes on Riverwood and Harbor Lakes that are near the drainage issue around the tennis courts. JM suggests that building a culvert between 776 and Parcel B would allow the storm water to flow into Charlotte County's storm water system. The committee approved seeking a permit to do this work.

Next meeting – January 4, 2024, 10 AM

3.2 Page 1



AQUATIC WEED CONTROL, Inc.

Orlando - Ft. Myers - Tampa - Daytona Beach 800-543-6694

Lake & Wetland Customer Service Report

Job Name: Lakes
 Customer Number: 875 Customer: RIVERWOOD CDD
 Technician: Ron
 Date: 12/05/2023 Time: 02:30 PM

Customer Signature: _____

Waterway Treatment	Algae	Submersed Weeds	Grasses and brush	Floating Weeds	Blue Dye	Inspection	Request for Service	Restriction	# of days
17			x	x					
18			x						
26			x						
5A,5B			x						
8 threw 15			x						

<u>CLARITY</u> <input type="checkbox"/> < 1' <input type="checkbox"/> 1-2' <input checked="" type="checkbox"/> 2-4' <input type="checkbox"/> > 4'	<u>FLOW</u> <input checked="" type="checkbox"/> None <input type="checkbox"/> Slight <input type="checkbox"/> Visible <input type="checkbox"/> Backpack	<u>METHOD</u> <input checked="" type="checkbox"/> ATV <input type="checkbox"/> Airboat <input type="checkbox"/> Backpack	<input type="checkbox"/> Boat <input type="checkbox"/> Truck	<u>CARP PROGRAM</u> <input type="checkbox"/> Carp observed <input type="checkbox"/> Barrier Inspected	<u>WATER LEVEL</u> <input type="checkbox"/> High <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Low	<u>WEATHER</u> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Windy <input type="checkbox"/> Rainy
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FISH and WILDLIFE OBSERVATIONS

<input checked="" type="checkbox"/> Alligator <input type="checkbox"/> Anhinga <input checked="" type="checkbox"/> Bass <input checked="" type="checkbox"/> Bream	<input type="checkbox"/> Catfish <input checked="" type="checkbox"/> Coots <input type="checkbox"/> Cormorant <input type="checkbox"/> Egrets	<input type="checkbox"/> Gallinules <input checked="" type="checkbox"/> Gambusia <input type="checkbox"/> Herons <input type="checkbox"/> Ibis	<input type="checkbox"/> Osprey <input type="checkbox"/> Otter <input type="checkbox"/> Snakes <input checked="" type="checkbox"/> Turtles	<input type="checkbox"/> Woodstork _____ _____
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NATIVE WETLAND HABITAT MAINTENANCE

<input checked="" type="checkbox"/> Arrowhead <input checked="" type="checkbox"/> Bacopa <input checked="" type="checkbox"/> Blue Flag Iris	<input checked="" type="checkbox"/> Bulrush <input type="checkbox"/> Chara <input checked="" type="checkbox"/> Cordgrass	<input checked="" type="checkbox"/> Golden Canna <input checked="" type="checkbox"/> Gulf Spikerush <input type="checkbox"/> Lily	<u>Beneficial Vegetation Notes:</u> <input type="checkbox"/> Naiad _____ <input checked="" type="checkbox"/> Pickerelweed _____ <input type="checkbox"/> Soft Rush _____
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AQUATIC WEED CONTROL, Inc.

Orlando - Ft. Myers - Tampa - Daytona Beach 800-543-6694

Lake & Wetland Customer Service Report

Job Name: Lakes
 Customer Number: 875 Customer: RIVERWOOD CDD
 Technician: Ron
 Date: 12/14/2023 Time: 10:30 AM
 Customer Signature: _____

Waterway Treatment	Algae	Submersed Weeds	Grasses and brush	Floating Weeds	Blue Dye	Inspection	Request for Service	Restriction	# of days
12			x						
13			x						
14			x						
5			x						
5A			x						
6			x						

CLARITY	FLOW	METHOD		CARP PROGRAM	WATER LEVEL	WEATHER
<input type="checkbox"/> < 1'	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> ATV	<input type="checkbox"/> Boat	<input type="checkbox"/> Carp observed	<input type="checkbox"/> High	<input type="checkbox"/> Clear
<input type="checkbox"/> 1-2'	<input type="checkbox"/> Slight	<input type="checkbox"/> Airboat	<input type="checkbox"/> Truck	<input type="checkbox"/> Barrier Inspected	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Cloudy
<input checked="" type="checkbox"/> 2-4'	<input type="checkbox"/> Visible	<input type="checkbox"/> Backpack			<input type="checkbox"/> Low	<input checked="" type="checkbox"/> Windy
<input type="checkbox"/> > 4'						<input type="checkbox"/> Rainy

FISH and WILDLIFE OBSERVATIONS

<input checked="" type="checkbox"/> Alligator	<input type="checkbox"/> Catfish	<input type="checkbox"/> Gallinules	<input type="checkbox"/> Osprey	<input type="checkbox"/> Woodstork
<input type="checkbox"/> Anhinga	<input checked="" type="checkbox"/> Coots	<input checked="" type="checkbox"/> Gambusia	<input type="checkbox"/> Otter	<input type="checkbox"/> _____
<input checked="" type="checkbox"/> Bass	<input type="checkbox"/> Cormorant	<input type="checkbox"/> Herons	<input type="checkbox"/> Snakes	<input type="checkbox"/> _____
<input checked="" type="checkbox"/> Bream	<input type="checkbox"/> Egrets	<input type="checkbox"/> Ibis	<input checked="" type="checkbox"/> Turtles	

NATIVE WETLAND HABITAT MAINTENANCE	Beneficial Vegetation Notes:
<input checked="" type="checkbox"/> Arrowhead	<input type="checkbox"/> Naiad
<input type="checkbox"/> Bacopa	<input checked="" type="checkbox"/> Pickerelweed
<input type="checkbox"/> Blue Flag Iris	<input type="checkbox"/> Soft Rush
<input checked="" type="checkbox"/> Bulrush	<input type="checkbox"/> _____
<input type="checkbox"/> Chara	<input type="checkbox"/> _____
<input checked="" type="checkbox"/> Golden Canna	
<input checked="" type="checkbox"/> Gulf Spikerush	
<input type="checkbox"/> Cordgrass	
<input type="checkbox"/> Lily	



Lake & Wetland Customer Service Report

Job Name: Lakes

Customer Number: 875

Customer: RIVERWOOD CDD

Technician: Ron

Date: 11/28/2023

Time: 12:15 PM

Customer Signature: _____

Waterway Treatment	Algae	Submersed Weeds	Grasses and brush	Floating Weeds	Blue Dye	Inspection	Request for Service	Restriction	# of days
5A			x						
5B			x						
8			x						
9			x						
10			x						
11			x						
12			x						
13			x						

CLARITY	FLOW	METHOD	CARP PROGRAM	WATER LEVEL	WEATHER
<input type="checkbox"/> < 1'	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> ATV	<input type="checkbox"/> Boat	<input type="checkbox"/> High	<input type="checkbox"/> Clear
<input type="checkbox"/> 1-2'	<input type="checkbox"/> Slight	<input type="checkbox"/> Airboat	<input type="checkbox"/> Truck	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Cloudy
<input checked="" type="checkbox"/> 2-4'	<input type="checkbox"/> Visible	<input type="checkbox"/> Backpack	<input type="checkbox"/> Barrier Inspected	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> Windy
<input type="checkbox"/> > 4'					<input type="checkbox"/> Rainy

FISH and WILDLIFE OBSERVATIONS

<input checked="" type="checkbox"/> Alligator	<input type="checkbox"/> Catfish	<input type="checkbox"/> Gallinules	<input type="checkbox"/> Osprey	<input type="checkbox"/> Woodstork
<input type="checkbox"/> Anhinga	<input checked="" type="checkbox"/> Coots	<input checked="" type="checkbox"/> Gambusia	<input type="checkbox"/> Otter	<input type="checkbox"/> _____
<input checked="" type="checkbox"/> Bass	<input type="checkbox"/> Cormorant	<input type="checkbox"/> Herons	<input type="checkbox"/> Snakes	

NATIVE WETLAND HABITAT MAINTENANCE

<input checked="" type="checkbox"/> Arrowhead	<input checked="" type="checkbox"/> Bluegrass	<input checked="" type="checkbox"/> Golden Canna	<input checked="" type="checkbox"/> Turtles	<input type="checkbox"/> Naiad
<input checked="" type="checkbox"/> Bacopa	<input type="checkbox"/> Chara	<input checked="" type="checkbox"/> Gulf Spikerush	<input type="checkbox"/> Pickerelweed	<input type="checkbox"/> _____
<input type="checkbox"/> Blue Flag Iris	<input checked="" type="checkbox"/> Cordgrass	<input type="checkbox"/> Lily	<input type="checkbox"/> Soft Rush	<input type="checkbox"/> _____

Beneficial Vegetation Notes: _____



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Lake & Wetland Customer Service Report

Job Name: Lakes

Customer Number: 875 Customer: RIVERWOOD CDD

Technician: Ron

Date: 12/20/2023 Time: 03:30 PM

Customer Signature: _____

Waterway Treatment	Algae	Submersed Weeds	Grasses and brush	Floating Weeds	Blue Dye	Inspection	Request for Service	Restriction	# of days
17				x					
18			x						
26			x						
11			x						
8			x						

CLARITY
 < 1'
 1-2'
 2-4'
 > 4'

FLOW
 None
 Slight
 Visible

METHOD
 ATV
 Airboat
 Backpack

Boat
 Truck

CARP PROGRAM
 Carp observed
 Barrier Inspected

WATER LEVEL
 High
 Normal
 Low

WEATHER
 Clear
 Cloudy
 Windy
 Rainy

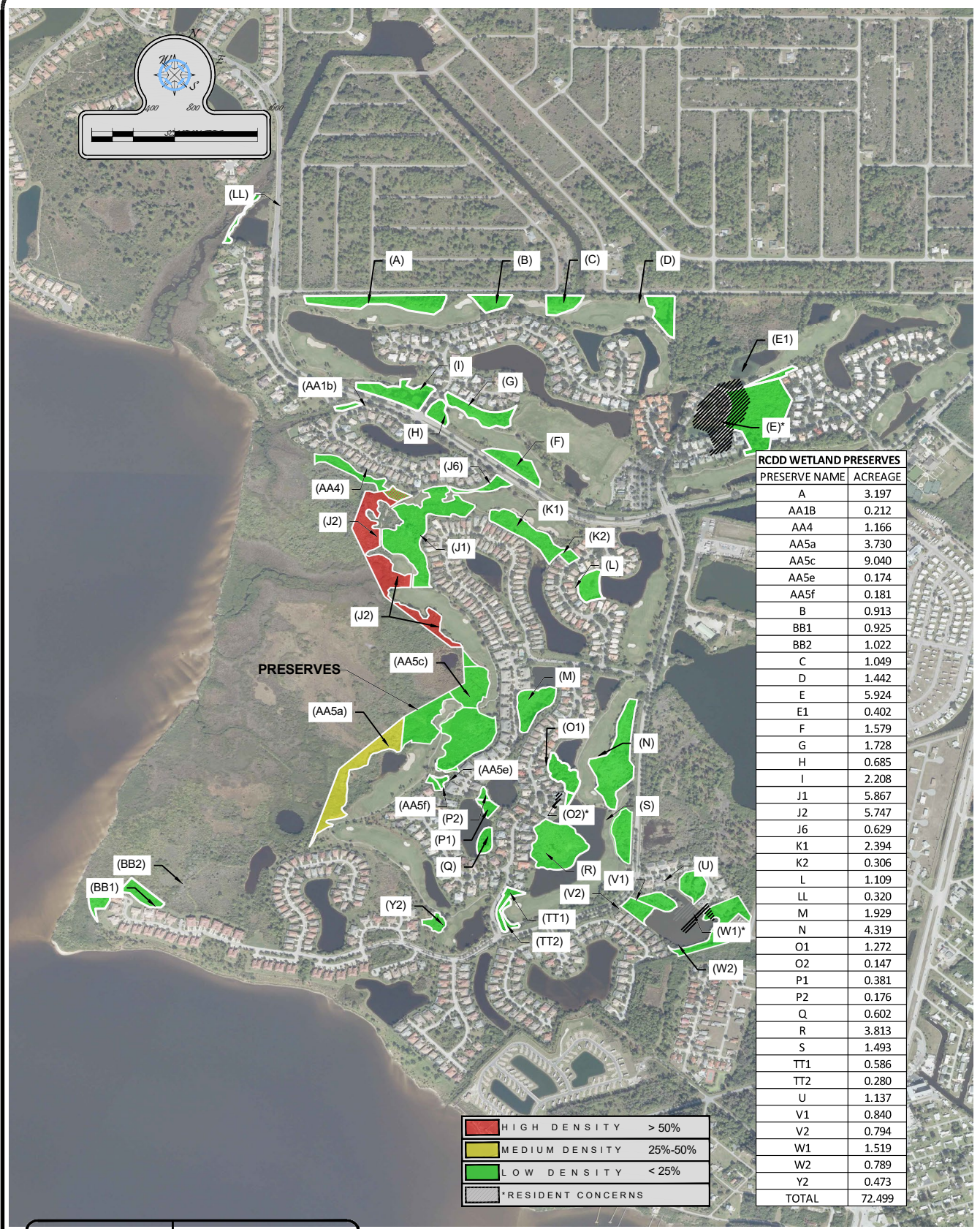
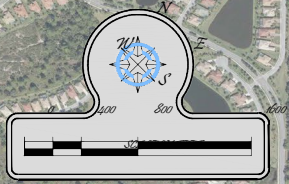
FISH and WILDLIFE OBSERVATIONS

Alligator
 Anhinga
 Bass
 Bream
 Catfish
 Coots
 Cormorant
 Egrets
 Gallinules
 Gambusia
 Herons
 Ibis
 Osprey
 Otter
 Snakes
 Turtles
 Woodstork

NATIVE WETLAND HABITAT MAINTENANCE

Arrowhead
 Bacopa
 Blue Flag Iris
 Bulrush
 Chara
 Cordgrass
 Golden Canna
 Gulf Spikerush
 Lily

Beneficial Vegetation Notes:
 Naiad
 Pickerelweed
 Soft Rush



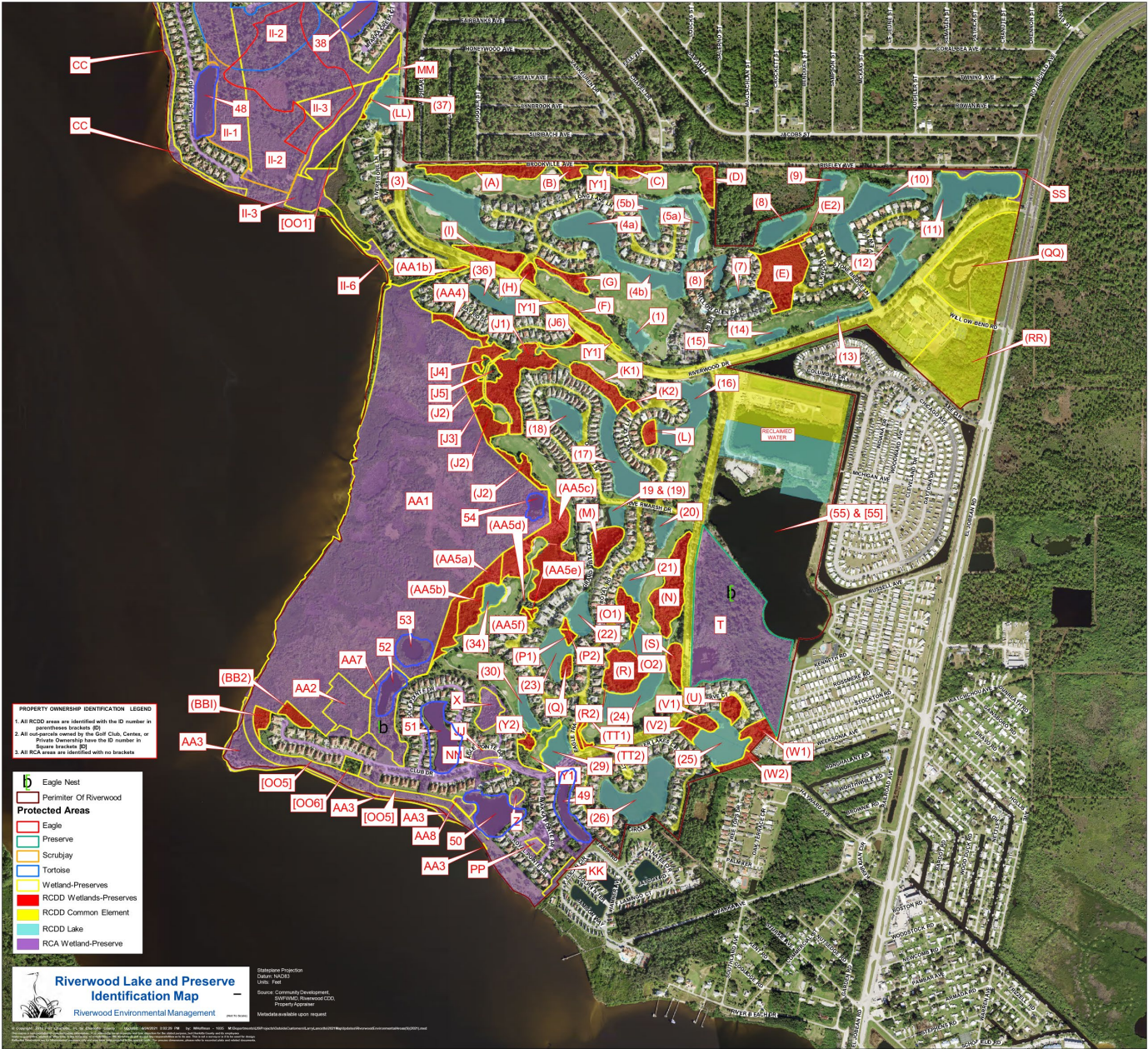
RCDD WETLAND PRESERVES	
PRESERVE NAME	ACREAGE
A	3.197
AA1B	0.212
AA4	1.166
AA5a	3.730
AA5c	9.040
AA5e	0.174
AA5f	0.181
B	0.913
BB1	0.925
BB2	1.022
C	1.049
D	1.442
E	5.924
E1	0.402
F	1.579
G	1.728
H	0.685
I	2.208
J1	5.867
J2	5.747
J6	0.629
K1	2.394
K2	0.306
L	1.109
LL	0.320
M	1.929
N	4.319
O1	1.272
O2	0.147
P1	0.381
P2	0.176
Q	0.602
R	3.813
S	1.493
TT1	0.586
TT2	0.280
U	1.137
V1	0.840
V2	0.794
W1	1.519
W2	0.789
Y2	0.473
TOTAL	72.499

	HIGH DENSITY	> 50%
	MEDIUM DENSITY	25%-50%
	LOW DENSITY	< 25%
	*RESIDENT CONCERNS	

DESIGNED BY	R M J	DATE	11-15-23
CHECKED BY	H	DATE	
SCALE	1"=100'	DATE	
PROJECT NO.	17121.1	DATE	
DATE	11-15-23	DATE	
PROJECT	RCDD EXOTIC	DATE	

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 Marine & Environmental Consulting
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 Naples, FL 34104-3732
 Phone: (239) 643-6066
 Fax: (239) 643-6632
 email: info@turrellhall.com

RIVERWOOD
RCDD EXOTIC DENSITIES



Riverwood Lake and Preserve Identification Map
 Riverwood Environmental Management

Database Projection: UTM
 Datum: NAD83
 Units: Feet
 Source: Community Development, Riverwood Environmental Management, Property Owners
 Metadata available upon request