



Lakes & Waterways Board Regular Meeting

Agenda

November 14, 2023 @ 12:00 PM

City Hall Commission Chambers
401 S. Park Avenue

welcome

Agendas and all backup material supporting each agenda item are accessible via the city's website at cityofwinterpark.org/meetings/ and include virtual meeting instructions.

assistance & appeals

Persons with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk's Office ([407-599-3277](tel:407-599-3277)) at least 48 hours in advance of the meeting.

"If a person decides to appeal any decision made by the Board with respect to any matter considered at this hearing, a record of the proceedings is needed to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based." (F.S. 286.0105).

please note

Times are projected and subject to change.

-
- 1. Call to Order**
 - 2. Consent Agenda**
 - a. Approve the minutes of the regular meeting on October 10, 2023
 - 3. Public Comments (for items not on the agenda): Three minutes allowed for each speaker**
 - 4. Public Hearings (Public participation and comment on these matters must be in person.)**
 - a. Boathouse/Dock Application (BLDR-2023-0902) 1891 Lake Spier Dr 10 Minutes
 - 5. Action Items**
 - a. Lake Knowles Management Plan 10 Minutes
 - 6. Non-Action Items**
 - 7. Staff Updates**
 - a. Winter Park Police Department 10 Minutes
 - b. Lakes Management
 - c. Stormwater Management 10 Minutes
 - 8. Board Comments**
 - a. Discussion of Public Comments Received 5 Minutes
 - 9. Upcoming Agenda Items**
 - a. Discussion of Upcoming Agenda Items 5 Minutes
 - 10. Adjournment**



Lakes & Waterways Board

agenda item

item type

Consent Agenda

meeting date

November 14, 2023

prepared by**approved by**

Charisma Lowery, Board Coordinator

subject

Approve the minutes of the regular meeting on October 10, 2023

motion | recommendation**background****strategic objectives****alternatives | other considerations****fiscal impact****attachments**

1. LWB-DRAFT MINS-2023-10-10



Lakes & Waterways Board Regular Meeting Minutes

October 10, 2023 at 12:00 PM

City Hall Commission Chambers
401 S. Park Avenue

Present

Justin Vermuth, Ed Webman, William Swartz, George (Trevor) Vietor and David March.

Absent

Pamela Saffran and Warren Bloom.

Staff Present

Director of Natural Resources & Sustainability Gloria Eby; Assistant Director of Public Works Don Marcotte; Public Works Engineer Shannon Monahan; Lakes Division Manager Joseph Cordell; Natural Resources & Sustainability Administrative Coordinator Victoria Tabor; Virtually: Board Coordinator Tatia Ghviniashvili.

1. Call to Order

The meeting was called to order at 12:02 p.m.

2. Consent Agenda

- a. Approve the minutes of the regular meeting September 12, 2023

Motion made by David March to approve the minutes as presented; seconded by Ed Webman. Motion carried unanimously with a 5-0 vote.

3. Public Comments (for items not on the agenda): Three minutes allowed for each speaker

There were none.

4. Public Hearings (Public participation and comment on these matters must be in person.)

a. Shoreline Alteration Permit (SAP-2023-0029) 2104 Venetian Way

Staff provided background of the revetment application, along with parameters, photograph/aerial view, and plans. The request is for 70 ft. of shoreline to be stabilized with natural stone, and if approved, would require replanting to meet vegetation requirements.

Larissa Serrao, 2112 Venecian Way, noted that she has no opposition to the revetment, however, seeks assurance that there will be no negative impacts to her property.

Sheila Cichra, Streamline Permitting, spoke on behalf of the applicant and helped further clarify the requested revetment. She highlighted that under no circumstances can the floodplain be altered, and the adjacent property owned by Mrs. Serrao will not be impacted negatively.

Dr. John Serrao, 2112 Venecian Way, highlighted that although he is not opposed to the revetment, he wants to be sure there will be no damage to his property.

The floor opened for a brief discussion and staff made clarifications to ensure Mr. and Mrs. Serrao that their property will not be negatively impacted in any way. Staff will also make sure that the seawall itself will not be raised in any way, so not to cause any potential problems. Ms. Cichra also made clarifying remarks and explained the process of the revetment in further detail, noting no extra soil would be brought in and the adjacent property would not be impacted.

Motion made by Justin Vermuth to approve the permit application; seconded by David March. Motion carried unanimously with a 5-0 vote.

b. Shoreline Alteration Permit (SAP-2023-0030) 1402 Green Cove Rd.

Staff provided background of the revetment application, along with parameters, photograph/aerial view, and plans. The application is for an existing riprap and does meet vegetation requirements, and staff recommendation is to approve. The board asked clarifying questions and a brief discussion ensued.

Motion made by Ed Webman to approve the application; seconded by Trevor Vietor. Motion carried unanimously with a 5-0 vote.

5. Action Items

There were none.

6. Non-Action Items

There were none.

7. Staff Updates

a. Winter Park Police Department

Mr. Cordell provided brief updates on behalf of the Police Department. He highlighted that in the past month, there have been 4 citations and 13 warnings issued, along with 28 safety inspections conducted.

b. Lakes Management

Staff provided updates for the months of October and September- due to the length of the previous months' meetings. The Natural Resources Conservation Service (NRCS) grant funded work continues, with the Winter Park Pine Golf Club dredging completed and the contractor moving forward to remove a sandbar in Lake Killarney. Outfall dredging on Lake Berry has also been completed and staff is moving that project along to the chain of lakes.

Staff highlighted various treatments conducted across lakes, and noted that eelgrass efforts continue- primarily in Lake Maitland. Staff have received computers for the telemetry stations, however, are still waiting on the sensors before installation can begin. A brief discussion followed about dredging efforts and the minor changes made to the Flood Management Guide.

Various events were discussed, including monthly dock parties, Keep Winter Park Beautiful & Sustainable tree planting, Lake Baldwin cleanup and Howell Creek restoration.

c. Stormwater Management

Updates were provided on Capital Improvement Projects (CIP), such as various drainage improvements, Nicolet Ave. stormwater pond project and the Seminole County ditch piping project.

The floor opened for discussion and the board asked questions about several projects and the budget.

8. Board Comments

a. Discussion of Public Comments Received

A brief discussion was held about upcoming meeting dates.

9. Upcoming Agenda Items

a. Discussion of Upcoming Agenda Items

No discussion was held.

10. Adjournment

Motion made by William Swartz to adjourn the meeting; seconded by Ed Webman. Motion carried unanimously with a 5-0 vote.

The meeting adjourned at 12:53 p.m.

Minutes approved by the board on _____
/s/ Tatia Ghviniashvili, Board Coordinator



Lakes & Waterways Board

agenda item

item type

Public Hearings (Public participation and comment on these matters must be in person.)

meeting date

November 14, 2023

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

Boathouse/Dock Application (BLDR-2023-0902) 1891 Lake Spier Dr

motion | recommendation**background****strategic objectives****alternatives | other considerations****fiscal impact****attachments**

1. BLDR-2023-0902



LAKE SHORELINE BOATHOUSE/DOCK APPLICATIONS



BLDR-2023-0902

Address 1891 Lake Spier Dr

- Applicant: Brian Wilson
- Contractor: Owner
- Structure: Dock
- New/Existing: Existing
- Waterbody: Lake Spier

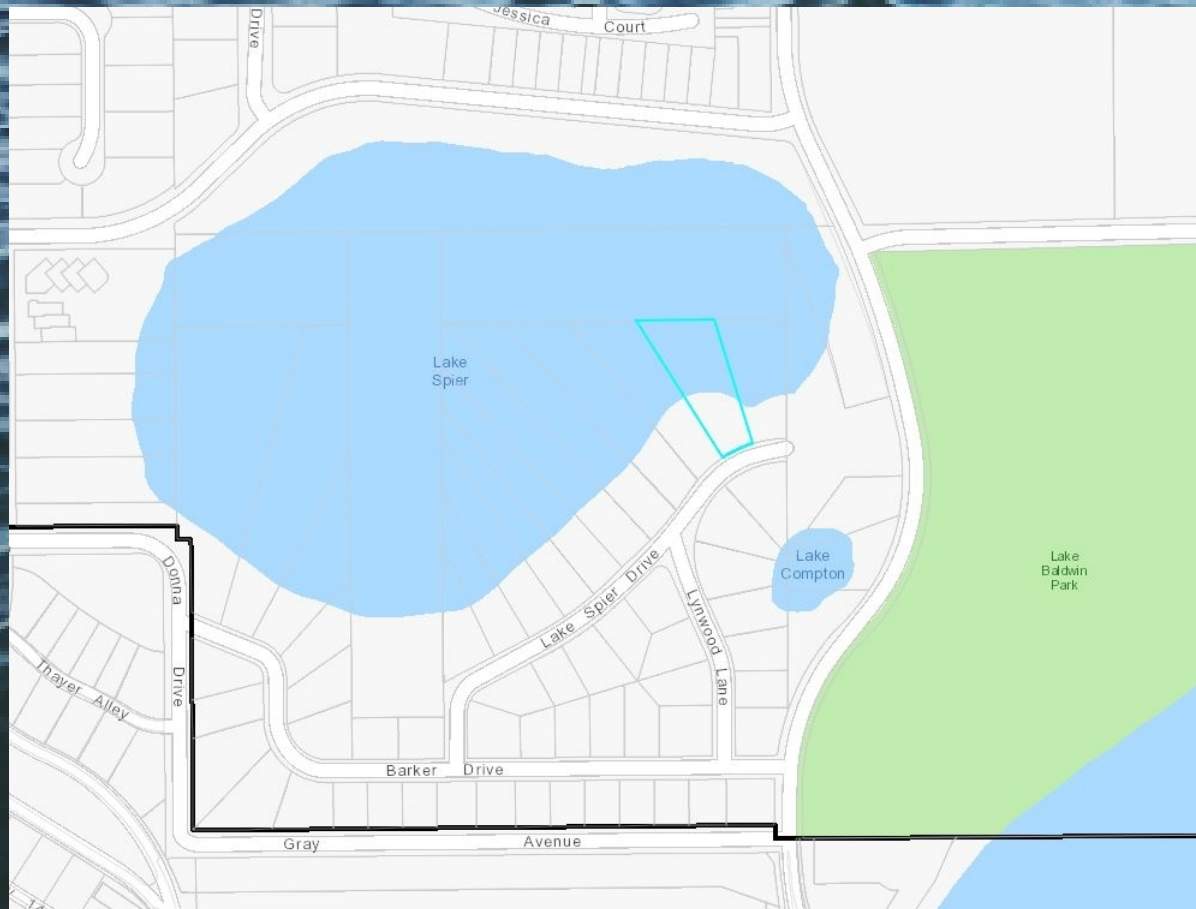
Parameters

Dock Parameter	Proposed	Allowed	Variance Req.?
Total Area (ft ²)	288	600 max	No
Length from OHW (ft)	30'	30'	No
Height of Roof (ft above deck)	NA	11 max	NA
Height of Deck (ft above OHW)	.5'-2'	2 max	No
Enclosures?	No	80 ft ² max (no plumbing/water allowed)	NA
Side Yard Setback(s) (ft)	12	10 min*	No
Meet Vegetation Criteria?	Yes	50% may be cleared	N/A

Staff Recommendation: **Approval**
Reviewed by: Joey Cordell

Map View

Basemap



Aerial View



Photos



Survey

STEM WALL SURVEY

N89°02'24"E 168.01(F)

LAKE SPIER
ORDINARY HIGH WATER EL=89.7' (NAVD 83)
WATER EL=89.63' (2/1/2022)

(M) MEA
(P) PLAT

LOT # 13- 50.07
LOT # 14- 52.06
LOT # 15- 43.32
LOT # 16- 60.67
LOT # 17- 71.30
LOT # 18- 60.67
LOT # 19-50.56
LOT # 20- 34.48

- A. THIS MAP OF SURVEY IS CERTIFIED TO:
B. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE COMMITMENT.
C. BEARINGS SHOWN HEREON ARE BASED UPON THE EASTERLY LINE OF SAID LOT 19 HAVING A BEARING OF SOUTH 72°28'32" WEST.
D. ELEVATIONS SHOWN HEREON ARE BASED ON FDOT NETWORK (NAVD 88 DATUM).
E. THE MEASUREMENTS SHOWN HEREON ARE IN U.S. SURVEY FEET. THE ACCURACY OF THIS SURVEY EXCEEDS THE REQUIREMENTS OF FLORIDA ADMINISTRATIVE CODE SJ-52.7.
F. UNDERGROUND UTILITIES WERE MARKED BY OTHERS AND THE MARKS WERE

Edward J. Mizo

PROFESSIONAL SURVEYOR AND MAPPER NO. 3376
THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND
THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED
SURVEYOR AND MAPPER.

LOT 19, BLOCK B, SOUTH LAKEMONT SHORES, ACCORDING TO THE
PLAT THEREOF AS RECORDED IN PLAT BOOK U, PAGE 70 OF THE
PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

CURVE TABLE (MEASURED DATA)					
CURVE #	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
C1	69.99	254.14	15°46'46"	S64° 13' 36"W	69.77
C2	74.91	254.14	16°53'21"	S81° 03' 32"W	74.64

CURVE #	LENGTH	RADIUS
C1	70.00	254.14
C2	75.00	254.14

MIZO & ASSOCIATES
PROFESSIONAL LAND SURVEYORS
17 NORTH SUMMERLIN AVENUE
ORLANDO, FL 32801
(321) 200-4904
LICENSE: 00000000000000000000000000000000

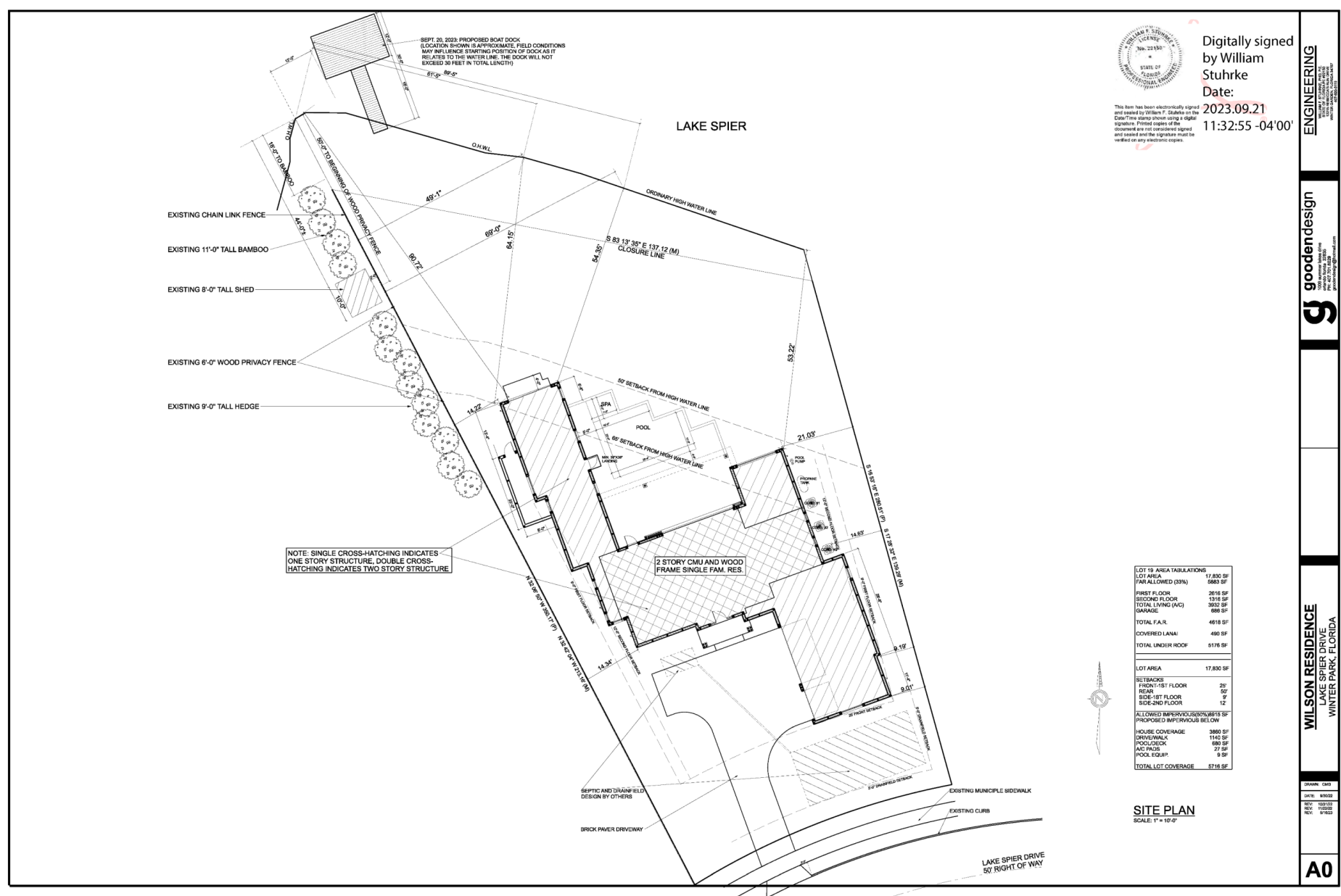
BOUNDARY SURVEY

REPAIRED FOR:
BRIAN WILSON

BOUNDARY SURVEY
LYING IN
A PORTION OF
SECTION 17, TOWNSHIP 22 SOUTH, RANGE 30 EAST

SHEET
1 OF 1

Plans



Plans



This plan has been electronically signed and sealed by William F. Stuhke on the DataTerra stamp shown using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Digitally signed
by William
Stuhke
Date:
2023.10.04
16:28:25 -04'00'

DESIGN CRITERIA

DESIGN LOADS:

Ultimate Wind: 140 mph at 3 second gust (30 psf minimum)
Building Type: I Risk Factor: 1.0
Exposure Category: "D" (FBC 1609.4.3 & ASCE 7-16, Section 26.7.2)
Deck Live Load: 40 psf Dead Load: 10 psf
Roof Live Load: 20 psf Dead Load: 10 psf
Guardrails and handrails: 200 psf
Guardrail in fill components: 50psf Stairs: 40psf
Components and cladding, design wind pressures + 38psf/-38psf

TIMBER:

Design in accordance with the National Design specification for wood construction, with loading in accordance with the Florida Building Code. All graded structural lumber shall be pressure treated and meet the following minimum requirements:

CODE:

Design and Construction shall abide by the 2020 Florida Building Code, Residential 7th Edition.
Minimum bending stress = 1250 psi (No. 1 Dense Southern Pine)
Young Modulus = 1800 ksi
Maximum of 15% moisture content
Contractor may use Southern Yellow Pine No. 2 or U.O.N.
Lumber sizes shown are nominal sizes. Lumber shall be furnished in finished sizes meeting the requirement of the American Softwood Lumber Standard.

GALVANIZED BOLTS:

All bolts shall be galvanized be ASTM A572 grade 50 threaded round stock with a minimum yield stress of 50,000 psi.

STRUCTURAL ALUMINUM:

Conform to latest edition of Aluminum Association of Florida standard practice for aluminum design.

All aluminum shall be 6061-T6 (E= 10,000 ksi; Fy = 35 ksi)

CONCRETE:

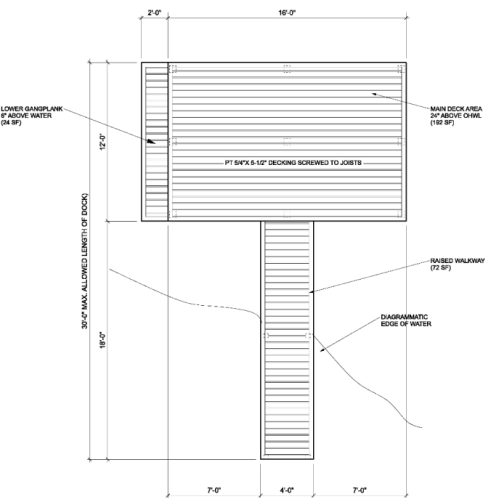
Conform to ACI 318, latest edition and ACI 301 Compressive Ultimate Strength (Minimum at 28 days) shall be 3,000 psi
Exposed chamfer edges shall be 1/4"

REINFORCING STEEL:

Conform to ACI 318 and 315, Latest edition All reinforcement steel shall be ASTM A615 Grade 60. Min footing cover 3"
Smooth dowels & ties shall be ASTM A 185

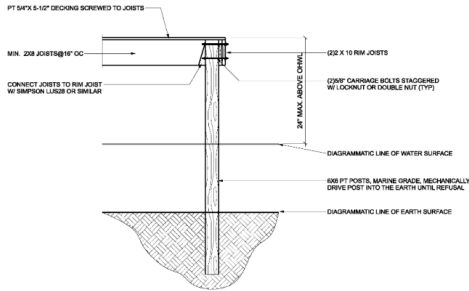
FOUNDATION:

The embedded depth of the posts and the layout and design of the posts is certified to accommodate all the stresses and loads from the dock.



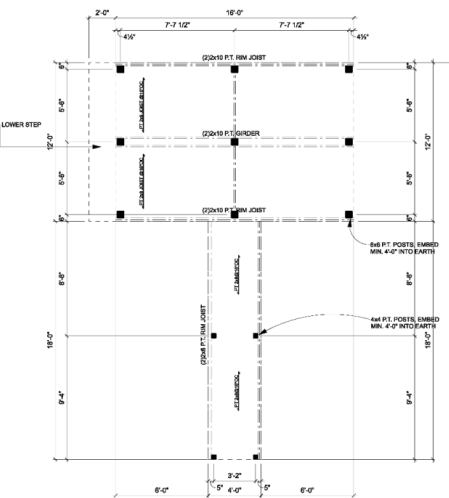
DOCK PLAN
SCALE: 1/4" = 1'-0"

DECK AREA TABULATION	
MAIN DECK	118 SF
WALKWAY	72 SF
GANGPLANK	54 SF
TOTAL DECK AREA	244 SF



POST/DOCK SECTION
SCALE: 1/2" = 1'-0"

NOTES:
ALL DOCK POSTS SHALL BE PT 6X6, MARINE GRADE.
ALL POSTS SHALL BE MECHANICALLY DRIVEN INTO THE EARTH UNTIL REFUSAL.
ALL WALKWAY POSTS SHALL BE PT 4X4, SET MIN. 3'-0" BELOW GRADE.
IF ABOVE THE WATER LINE, OR MECHANICALLY DRIVEN INTO THE EARTH UNTIL REFUSAL, IF POST FALLS WITHIN WATER LINE.
CONTRACTOR TO VERIFY LENGTH OF POSTS PRIOR TO INSTALLATION



DOCK FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

ENGINEERING

goodendesign

WILSON RESIDENCE

LAKE SPIER DRIVE
WINTER PARK, FLORIDA

DATE: 09/01/23

REV: 10/01/23

REV: 10/01/23

D1



Lakes & Waterways Board

agenda item

item type

Action Items

meeting date

November 14, 2023

prepared by

Victoria Tabor, Administrative Coordinator II

approved by**subject**

Lake Knowles Management Plan

motion | recommendation**background****strategic objectives****alternatives | other considerations****fiscal impact****attachments**

1. Lk Knowles Lake Management Plan
2. kwpb-knowles-and-wilbar-shoreline-restoration-flyer

Lake Knowles- Aquatic Plant Management Plan

Section 1. Introduction and background

The interest in lake recreational opportunities has been increasing, particularly the use of paddle boards and kayaks. Most small lakes in surrounding neighborhoods have minimal access for residents in Winter Park have the lake and all of the property around it (up to the curb of the adjacent roads) is a City park.

The Orange County Property Appraiser's aerial photograph of Lake Knowles in 2015 (Figure 1.) is being used as the baseline vegetation condition which will be used to generate management plans for the Lakes Division applicators.

The 2020 aerial (Figure 2.) shows that there has been a moderate increase in the spatial distribution of floating leaf plants (fragrant water lily and spatterdock) in Lake Knowles since. A more noticeable difference is the increase in density of those species. Similar expansion of emergent vegetation (primarily jointed spike rush) has also occurred during the same time period. Dense stands of native plants are a preferred condition due to the ecological benefits they provide. These benefits include wildlife habitat, nutrient reduction, shoreline stabilization, and reduction in invasive plant invasion.

The City recognizes the recreational potential of this park and will provide access corridors and lily pad coverage reduction in 5 locations in addition to where the city accesses the lake to conduct lake management services.

Figure 1. Lake Knowles 2015

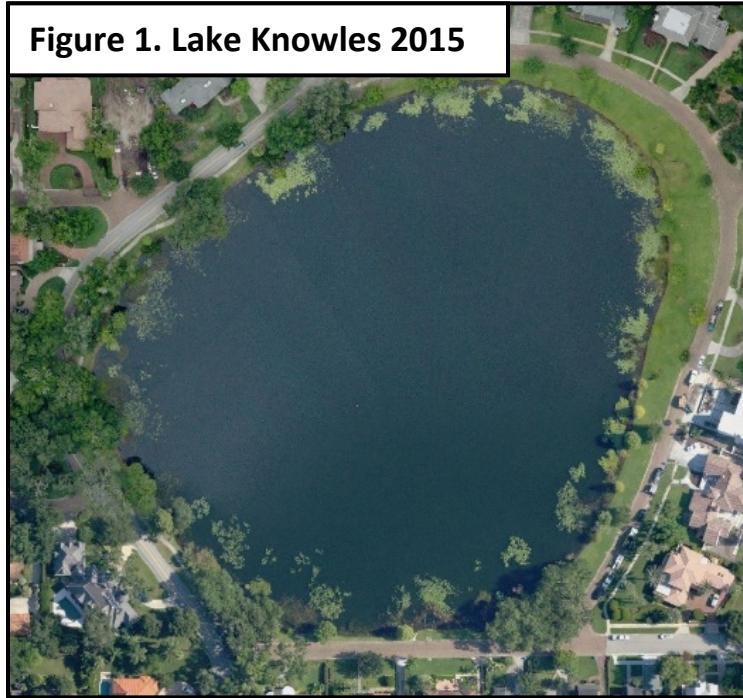
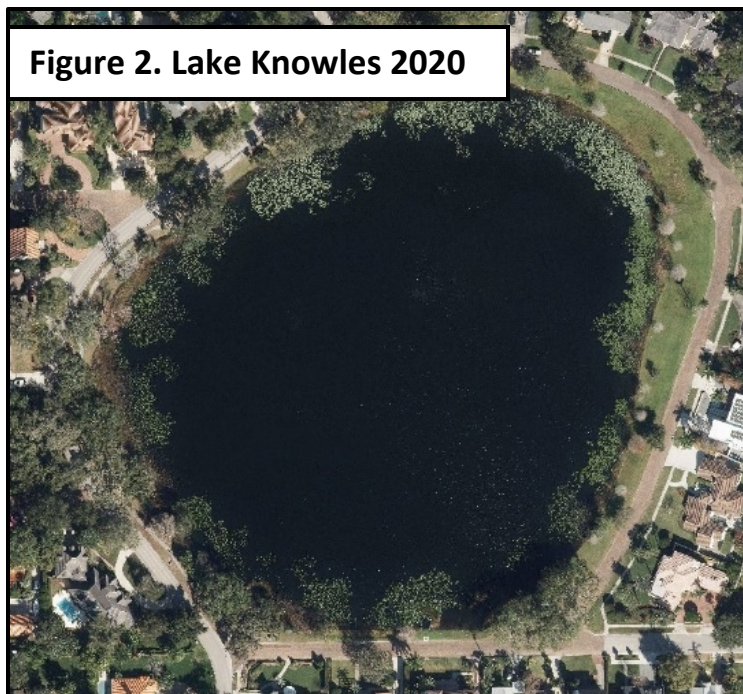
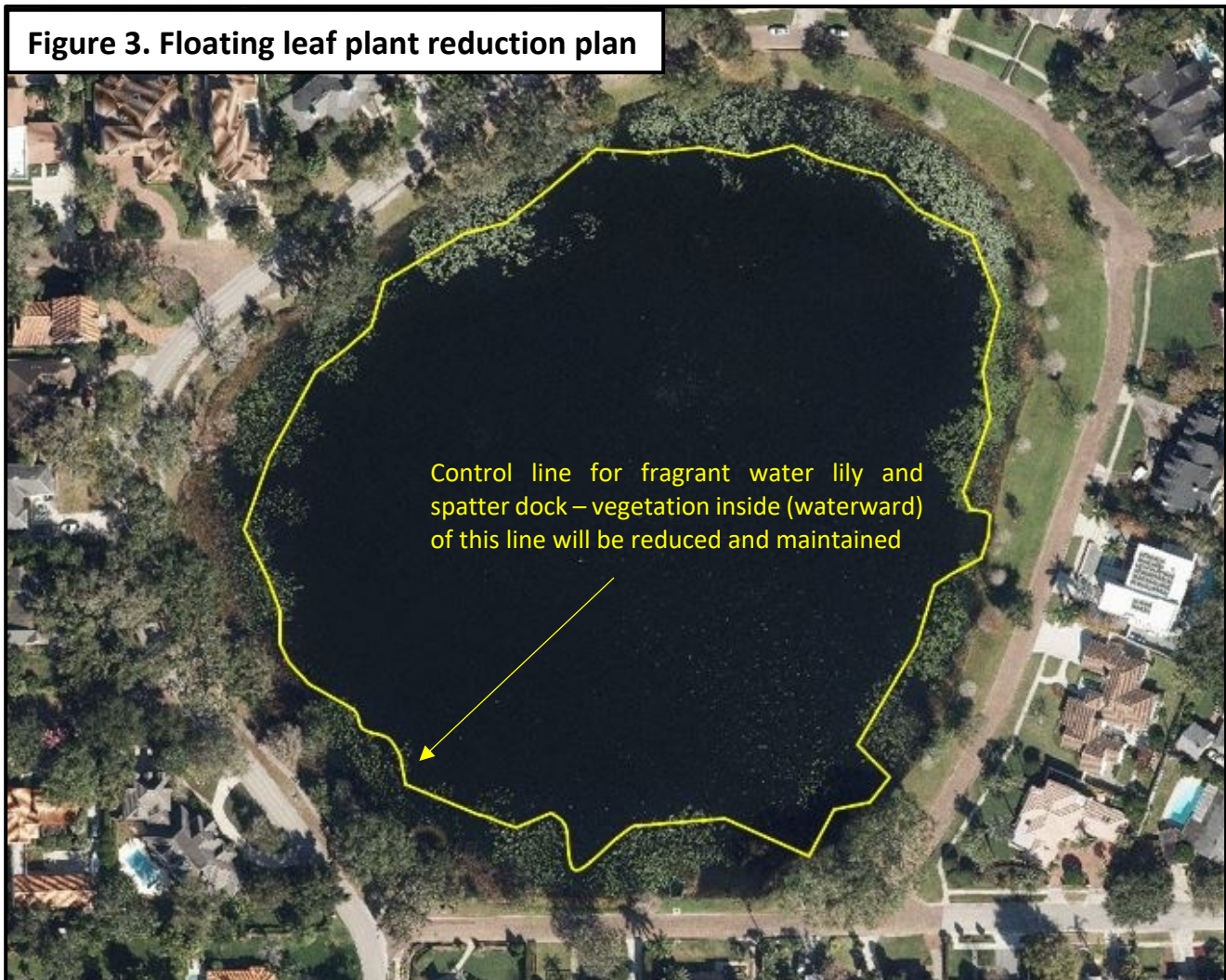


Figure 2. Lake Knowles 2020



Section 2 - Floating leaf management plan

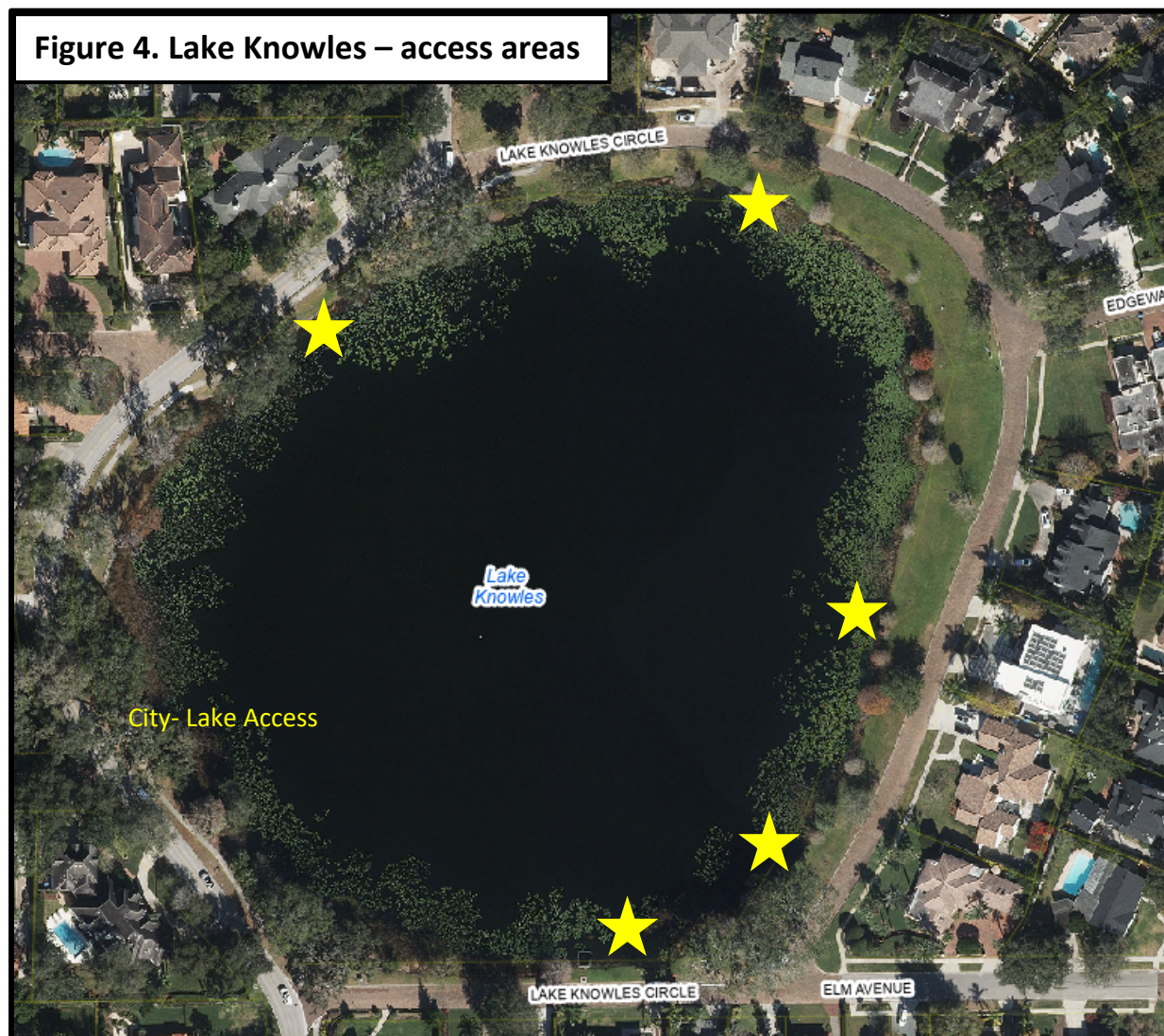
The aerial photo (Figure 3.) is the approximate condition that the Lakes Division will maintain as part of the overall floating leaf management plan. The work will be performed in phases to reduce the potential for rhizomes (root structures) to float to the surface and create unsightly conditions requiring additional maintenance. The floating leaf plant treatments will be conducted concurrently with the clearing of access corridors discussed in Section 3, below.



Section 3 – Access area management plan

The final component of the plant management plan involves the re-establishment of five areas where visitors from the surrounding neighborhoods can enter the water easily for various recreational activities (Figure 4.). The work proposed is not anticipated have a significant impact on the number of people using the lake, but will improve the accessibility for the current users. Continued use of this park at current levels could attract more activity from the immediate area but, amenities that would bring people from

other areas, such as parking, restrooms and shade structures are not proposed or appropriate for this park.



Section 4 – Approval and implementation

The plan with comments will be presented to the Lakes and Waterways Advisory Board for approval at one of their regular public meetings. The City will maintain the aquatic plants of Lake Knowles in accordance with community partnership and this lake management plan. Because the property around the lake is a City park, shoreline permits are not available for issuance to the adjacent residents, therefore the removal of aquatic plants is in violation of City code. Although residents living around the lake do not have designation by the City to remove aquatic plants, litter pick-up (including invasive snail carcasses) is highly encouraged as good stewards of the lake. Residents and patrons of the park should coordinate with the Lake Division on lake management activities including the scheduling of Community Shoreline Restoration or Clean-up Events. For any lake management questions or concerns, please contact the Lakes Division at 407-599-3479.

lake knowles & lake wilbar SHORELINE RESTORATION

**saturday
dec 16**

9 - 11 a.m.
wilbar circle @
edgewater drive

**volunteers
needed to**

plant native species,
remove invasive plants
& clean-up litter
[knee-deep water]

**to sign up
contact**

407.599.3364
kwpb@cityofwinterpark.org
cityofwinterpark.org/kwpb

please wear closed-toe shoes
be prepared to wade through knee-deep water

water provided
[remember to bring your own reusable bottle to fill up]

brought to you by



Lakes & Waterways Board

agenda item

item type

Staff Updates

meeting date

November 14, 2023

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

Winter Park Police Department

motion | recommendation**background****strategic objectives****alternatives | other considerations****fiscal impact****attachments**

None



Lakes & Waterways Board

agenda item

item type

Staff Updates

meeting date

November 14, 2023

prepared by**approved by**

Victoria Tabor, Administrative Coordinator
II

subject

Lakes Management

motion | recommendation**background****strategic objectives****alternatives | other considerations****fiscal impact****attachments**

1. Lakes Update 2023.11



Lakes and Waterways Advisory Board

November 2023

Lakes Updates

- NRCS Grant Funds
- Keep Winter Park Beautiful Grant Funds
- Loch Haven Chain of Lakes Study
- Treatments
- Tussock Removal
- September/October Biobase
- Telemetry Stations
- Howell Creek Restoration
- Monthly Dock Party – Baldwin, Spier, Forest, Grace
- Lake Knowles Update
- Lakes Knowles and Wilbar Shoreline Restoration Dec 16th



Crested floating heart
Nymphoides cristata
Photo by Colette Jacono
U.S. Geological Survey

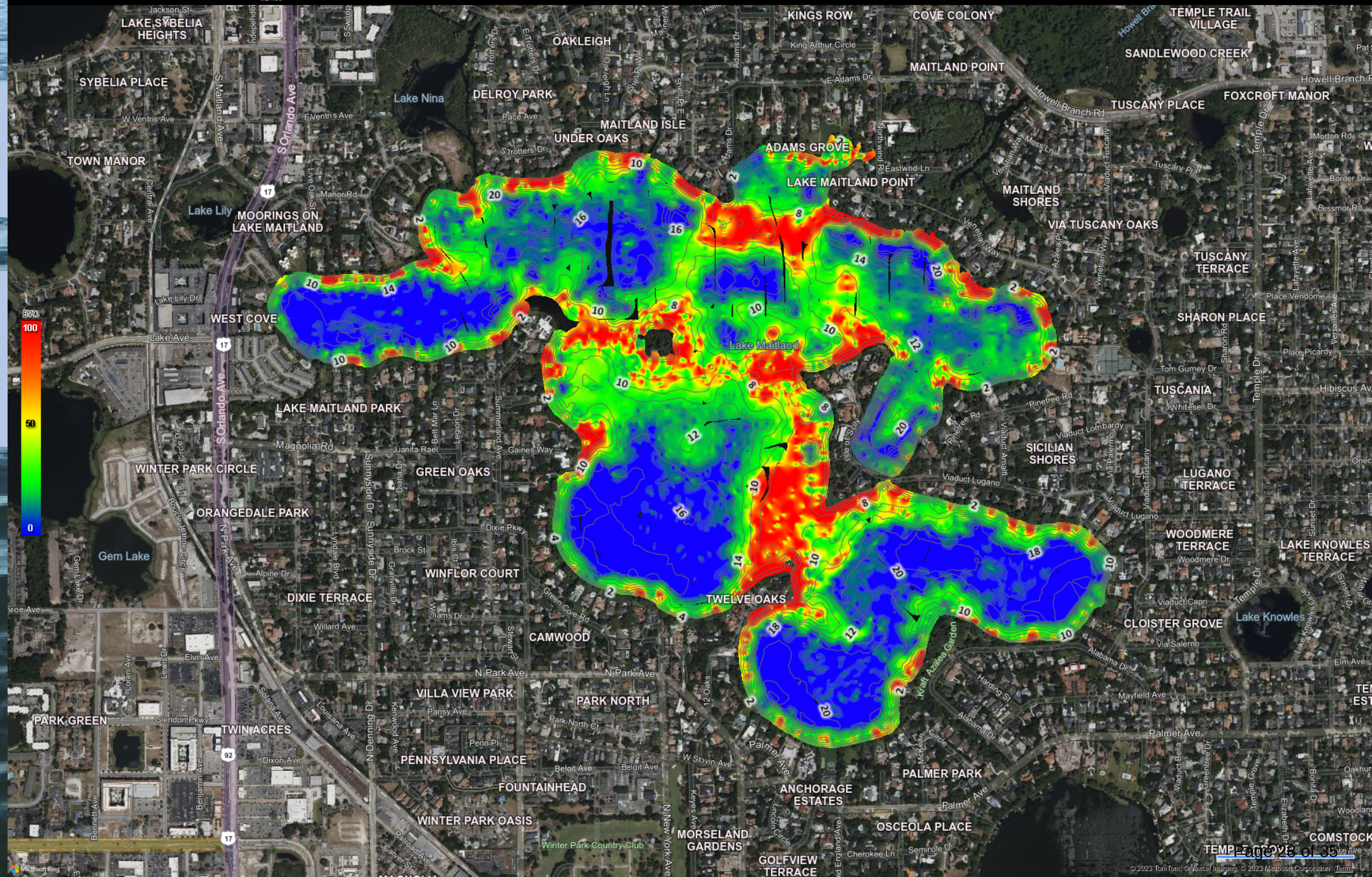


Crested floating heart
Nymphoides cristata
Photo by Lyn Gettys
© 2018 University of Florida

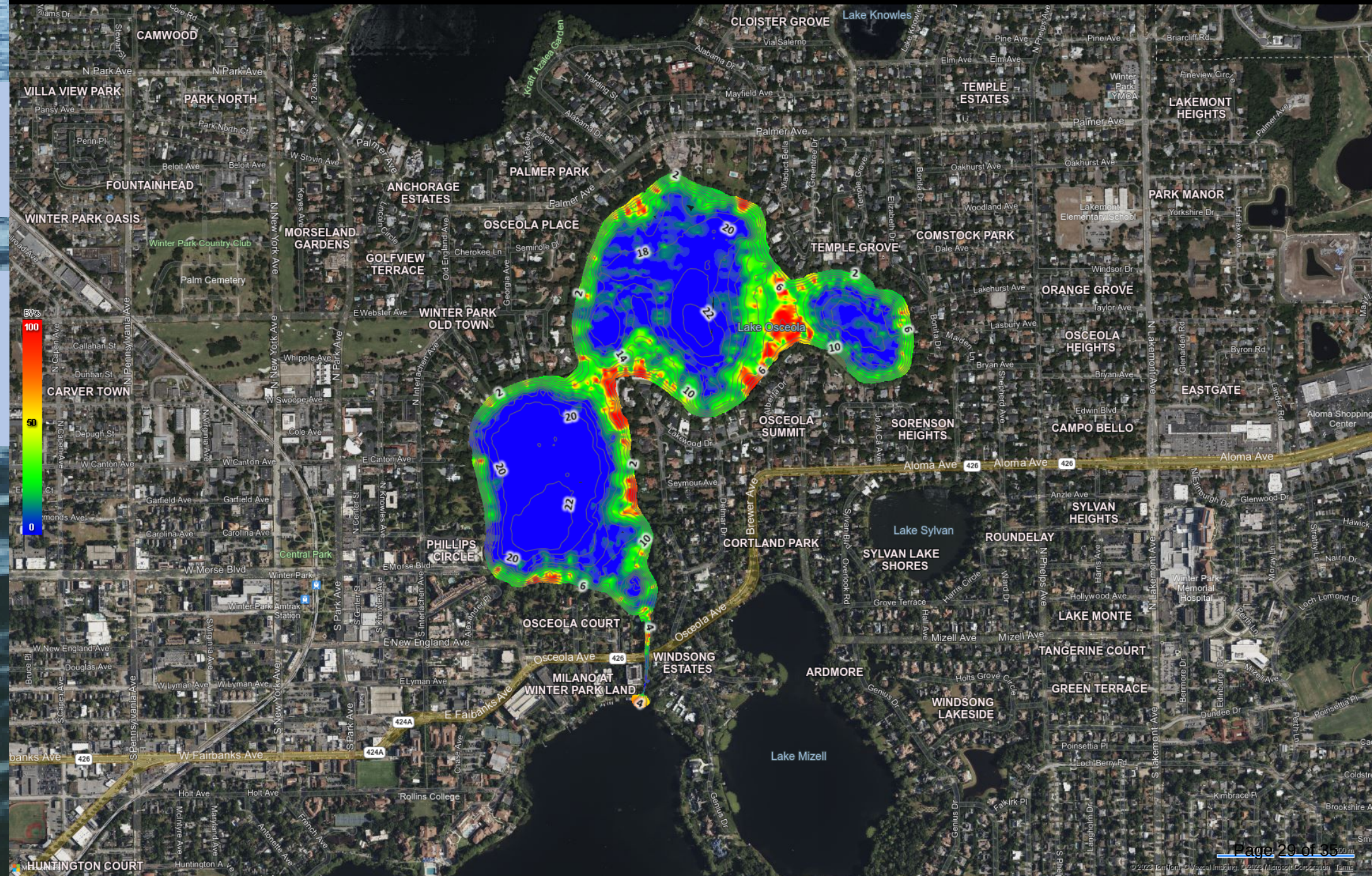


Percent Area
Coverage
(PAC): 67%

Average
BioVolume
Percentage
(AvgBVp): 38%

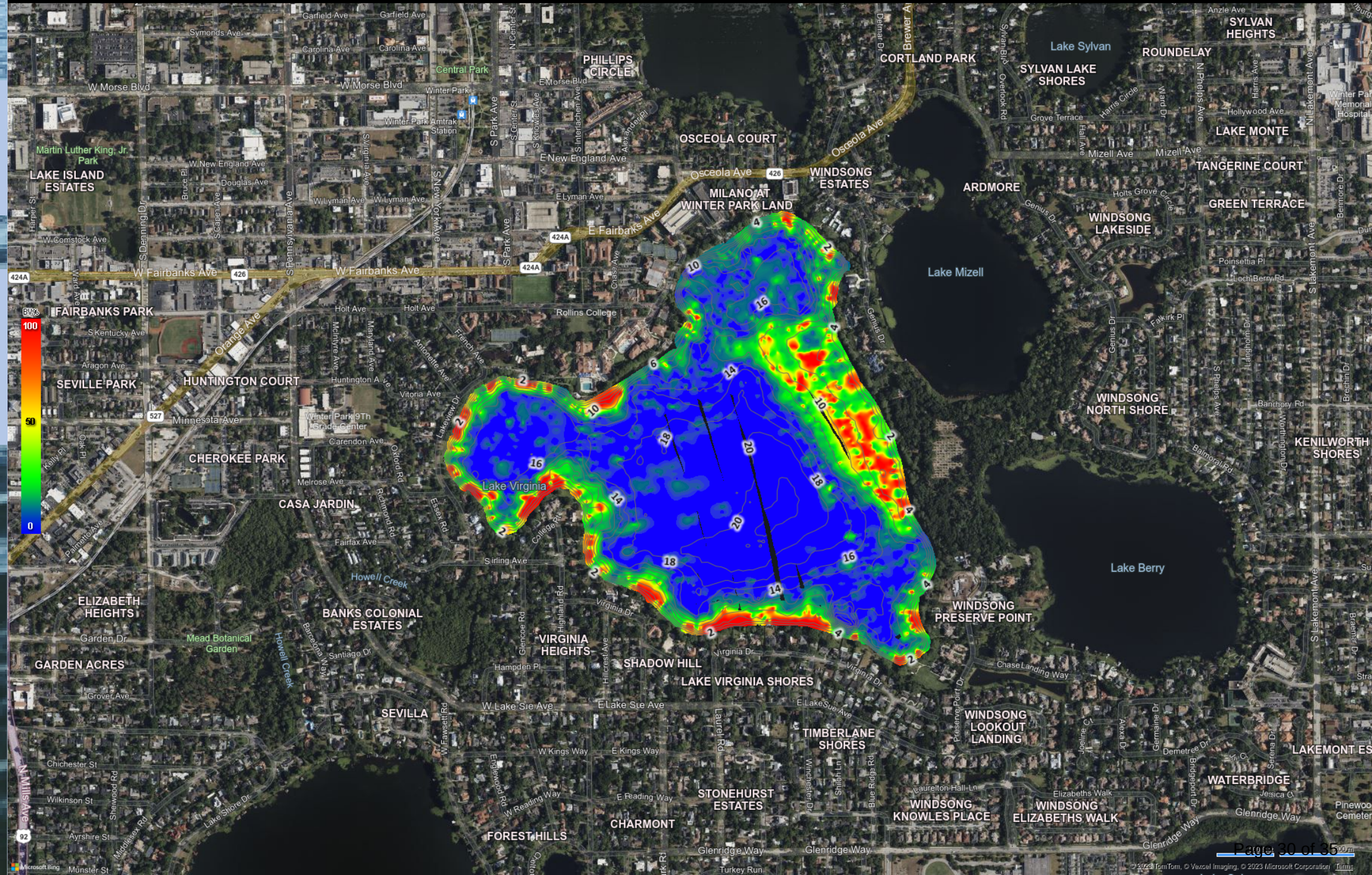


Average
BioVolume
Percentage
(AvgBVp): 21%



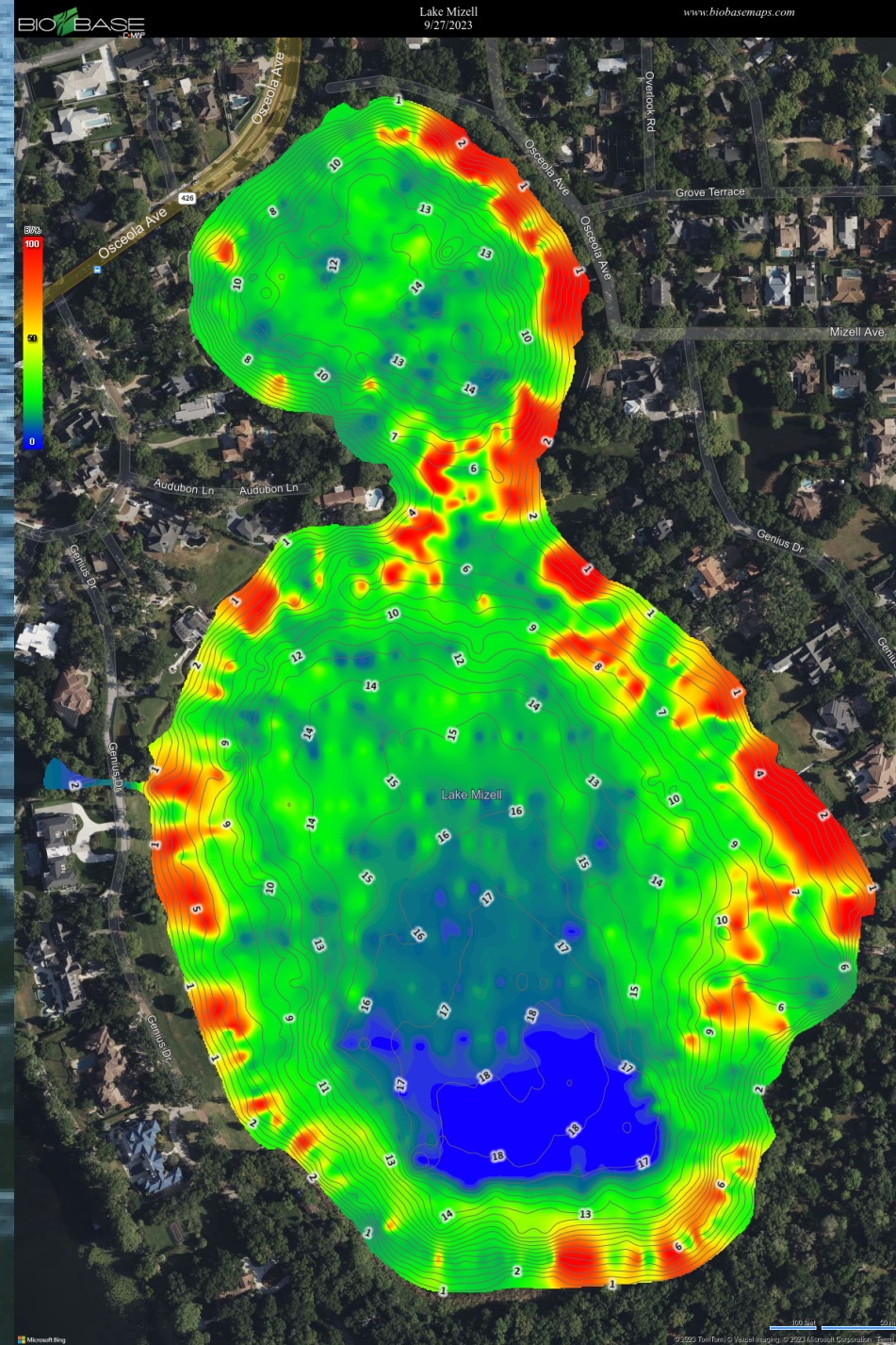
Percent Area
Coverage
(PAC): 59%

Average
BioVolume
Percentage
(AvgBVp): 14%



Percent Area
Coverage
(PAC): 92%

Average
BioVolume
Percentage
(AvgBVp): 32%



the city of winter park
Natural Resources &
Sustainability's Lakes Division

invites you to

SAVE *the* **DATE**

for a
DOCK *party*

saturday **11.18.2023**
from **9-11 a.m.**

Lake Baldwin Park
at 2000 Lakemont Avenue

meet city lake experts

learn valuable lake info

enjoy breakfast bites & beverages
sustainable giveaways & raffle

we look forward to seeing you @ our
DeliveringOurCityKnowledge
party

a family-friendly neighborhood event



more info
johnny miller @
407.599.3463

KWPB VOLUNTEER event

lake knowles & lake wilbar SHORELINE RESTORATION

**saturday
dec 16**

9-11 a.m.
wilbar circle @
edgewater drive

**volunteers
needed to**

plant native species,
remove invasive plants
& clean-up litter
[knee-deep water]

**to sign up
contact**

407.599.3364
kwpb@cityofwinterpark.org
cityofwinterpark.org/kwpb

please wear closed-toe shoes
be prepared to wade through knee-deep water

water provided
[remember to bring your own reusable bottle to fill up]

brought to you by



sustainability
division

lakes
division
city of winter park



Lakes & Waterways Board

agenda item

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Staff Updates

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prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

Stormwater Management

motion | recommendation**background****strategic objectives****alternatives | other considerations****fiscal impact****attachments**

None



Lakes & Waterways Board

agenda item

item type

Board Comments

meeting date

November 14, 2023

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

Discussion of Public Comments Received

motion | recommendation**background****strategic objectives****alternatives | other considerations****fiscal impact****attachments**

None



Lakes & Waterways Board

agenda item

item type

Upcoming Agenda Items

meeting date

November 14, 2023

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

Discussion of Upcoming Agenda Items

motion | recommendation**background****strategic objectives****alternatives | other considerations****fiscal impact****attachments**

None