



Keep Winter Park Beautiful & Sustainable Advisory Board Regular Meeting

Agenda

September 11, 2024 @ 11:45 AM

City Hall Commission Chambers
401 S. Park Avenue

welcome

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assistance & appeals

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"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 August 20, 2024 1 minute

3. Public Comments (for items not on the agenda): Three minutes allowed for each speaker**4. Action Items****5. Non-Action Items**

- a. City of Winter Park - Vulnerability Assessment Presentation 20 Minutes

6. Staff Updates

- a. Natural Resources & Sustainability 20 Minutes

- Food Insecurity
- Landscape Ordinance ad-hoc Meeting
- CFI DOT Grant
- Public Engagement

- b. Past & Upcoming Events - KWPB&S Members Needed 5 Minutes

- Howell Branch Clean-up - 8/24 9a @ 2917 Temple Trail
- Fix it! Don't Pitch It - 9/7 9a @ Winter Park Events Center
- Paddleboard Clean-up - 9/14 9a @ Kraft Azalea to Dog Island
- Wood Duck Box Workshop - 9/14 9a @ MLK Jr. Park
- Sustainability Fair & EV Car Show - 9/21 9a @ West Meadow
- Get Hooked! - 10/5 7a @ MLK Pond
- 2024 Backyard Biodiversity Day - 10/19 9a @ Mead Garden
- Lake Shoreline Restoration - 10/19 9am @ Temple & Tuscany

7. Board Comments

- a. Green Minutes 5 Minutes
- b. New Business/Announcements 5 Minutes

8. Upcoming Agenda Items

- a. Discussion of Upcoming Agenda Items 5 Minutes

9. Adjournment



Keep Winter Park Beautiful & Sustainable Advisory Board

agenda item 2.a

item type

Consent Agenda

meeting date

September 11, 2024

prepared by

approved by

subject

Approve the minutes of August 20, 2024

motion | recommendation

background

alternatives | other considerations

fiscal impact

attachments

1. KWPBS-mins-2024-08-20 DRAFT EB SM edits



Keep Winter Park Beautiful & Sustainable Advisory Board Regular Meeting Minutes

August 20, 2024 at 11:45 AM

City Hall Commission Chambers
401 S. Park Avenue

Present

John Page, Mark Yonker, Stephen Pategas, Sam Stark, Zeina Matar-Ghantous

Absent

Becky Distad, Terry Hotard

Staff Present

Director of Natural Resources & Sustainability Gloria Eby, Sustainability Manager Sara Miller, Natural Resources and Sustainability Administrative Coordinator Victoria Tabor

1. Call to Order

Sam Stark called the meeting to order at 11:45 a.m.

2. Consent Agenda

- a. Approve the minutes of July 16, 2024

**Motion made by Mr. Yonker to approve the minutes, seconded by Mr. Page.
Motion carried unanimously with a 5-0 vote.**

3. Public Comments (for items not on the agenda)

4. Action Items

5. Non-Action Items

6. Staff Updates

- a. Natural Resources & Sustainability
 - KWPB&S Fundraising
 - Winter Park Community Assistance Programs
 - KWPB&S Request to Utilities Advisory Board (Utility Boxes)
 - Charging & Fueling Infrastructure (CFI) Grant Program
 - Food Insecurity
 - KWPB&S Marketing Strategy

Integrated Resource Manager Lisa Vedder provided an update on the status of public-facing EV charging rates. The Utility Advisory Board (UAB) recommended implementing a multi-part rate and parking fines on EV charging stations due to long-term use and overuse. Questions were raised on staff recommendations, the rate amount and the locations. Staff recommended free use of the charging stations to encourage EV

charging and usage within the City. It was suggested that the Board review the full report located online at the KWPB&S and UAB meetings. The motion will be brought before City Commission and the goal is to implement their decision on October 1.

As a fundraiser, the Board previously discussed converting the nature photos from the Nature Photography Contest into greeting cards to sell. Staff commended the sale of the greeting cards during the holidays. Additionally, staff suggested selling the cards at tabling events and online, throughout the year. Other fundraising opportunities mentioned were the memorial bricks, bus stop sign advertising and ballroom dance classes. Information on KWPB&S fundraising expenditures will be explained by board members at tabling events and printed on flyers. The board was asked to email fundraising suggestions to Staff.

Staff is working on the Winter Park Community Assistance program initiative, partnering with community-centered organizations. Initiating energy efficiency and beautification in efforts in the CRA district will start with a statistical-based survey. The next step will be a large campaign to get the information out to the CRA district.

Gloria Eby provided an update on the maintenance and upkeep of the utility boxes as presented to the UAB. The follow-up will come from Electric Utility Engineer Mourad Belfakih. It was stated from the utility box discussion, the boxes are being placed on the right-of-way, rather than private property, resulting in less area for planting trees.

The Charging & Fueling Infrastructure (CFI) grant allows additional charging stations in public areas where a need exists. No one in Florida received the grant in the first round. Staff is working on submitting within round two which ends August 30.

Concerning Food Insecurity, KWPB&S has partnered with Killarney Elementary and 4Roots. Killarney elementary has a large population of families with a high rate of homelessness and poverty. 4Roots is an organization that educates on local food production and provides produce via a mobile bus. KWPB&S is involved with the CRA and the Housing Authority in establishing more local community gardens.

Ms. Eby appealed to the board to assist in the KWPB&S marketing strategy, by participating in city-facing events. Ms. Eby clarified that the Board participating in city-facing events would increase community engagement, support a volunteer base, bridge the gap between the City and community, and fostering community partnerships. Mr. Stark suggested that each member sign up for events of interest and to assist staff as needed.

b. Past & Upcoming Events - KWPB Members Needed

- Howell Branch Clean-up - 8/24 9a @ 2917 Temple Trail
- Fix it! Don't Pitch It - 9/7 9a @ Winter Park Events Center
- Paddleboard Clean-up - 9/14 9a @ Kraft Azalea to Dog Island
- Wood Duck Box Workshop - 9/14 9a @ MLK Jr. Park
- Sustainability Fair & EV Car Show - 9/21 9a @ West Meadow
- Get Hooked! - 10/5 7a @ MLK Pond

- Lake Shoreline Restoration - 10/19 9a @ Temple & Tuscany

Mr. Pategas and Ms. Matar-Ghantous signed up for the "Fix It Don't Pitch It" event on 9/7. Mr. Yonker will attend the "Get Hooked" event on 10/5. Mr. Page will attend the "Paddleboard Clean Up" event on 9/14. Mr. Pategas will attend the Sustainability Fair & EV Car Show" event on 9/21. Mr. Pategas advised the Board to wear their name tags when attending events. A resubmittal of the event list with the Board participants will be sent out.

7. Board Comments

a. Green Minutes

Mr. Page suggested O-Town Compost, a service that picks up your food waste and returns compost to you twice per year. Ms. Matar-Ghantous questioned how to eliminate the use of styrofoam in restaurants. It was explained that it would take a city ordinance. After further discussion, the Green Business Program was pointed out as a solution. Center Street businesses were the first to get involved. When at restaurants, Board members can promote the Green Business Program by word-of-mouth or an informational business card. Participants in the Green Business Program receive awards and certificates for display, recognition from the Commission and City advertisement.

b. New Business/Announcements

8. Upcoming Agenda Items

a. Discussion of Upcoming Agenda Items

Ms. Eby informed the board that the draft of the Climate Action Vulnerability Assessment report is in the final stage and Dr. Souto will be presenting the findings at the next meeting. The next Board meeting will be September 11, 2024 at 11:45 a.m. with the Landscape Ordinance meeting to immediately follow. The Landscape Ordinance meeting was clarified as a subcommittee meeting and input from speakers is acceptable, but not public comments.

9. Adjournment

The meeting adjourned at 12:36 p.m.

Approved by the board on
/s/ Bahiyyah Layton, Board Coordinator



Keep Winter Park Beautiful & Sustainable Advisory Board

agenda item 5.a

item type

Non-Action Items

meeting date

September 11, 2024

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

City of Winter Park - Vulnerability Assessment Presentation

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

1. WP VA PPT

WINTER PARK CLIMATE ADAPTATION VULNERABILITY ASSESSMENT (VA)

APPLIED ECOLOGY, INC.

September 11, 2024



PROJECT OBJECTIVE AND PURPOSE

- Identify critical and regionally significant assets in Winter Park
- Evaluate various flood scenarios
- Prioritize and focus adaptation planning on most critical needs
- Support the City's Climate Action and Resiliency Plan



Funding provided by a FDEP Coastal Resiliency Program Grant



CLIMATE ADAPTATION PLANNING GUIDE (FDEP)

Context

- Assemble steering committee
- Set guiding principles
- Establish planning area and geographic context
- Define public outreach

Adaptation Strategies

- Assess adaptive capacities
- Prioritize adaptation needs
- Identify adaptation strategies
- Integrate into existing plans



Vulnerability Assessment

- Conduct an exposure analysis
- Conduct a sensitivity analysis
- Assign focus areas

Implementation Strategies

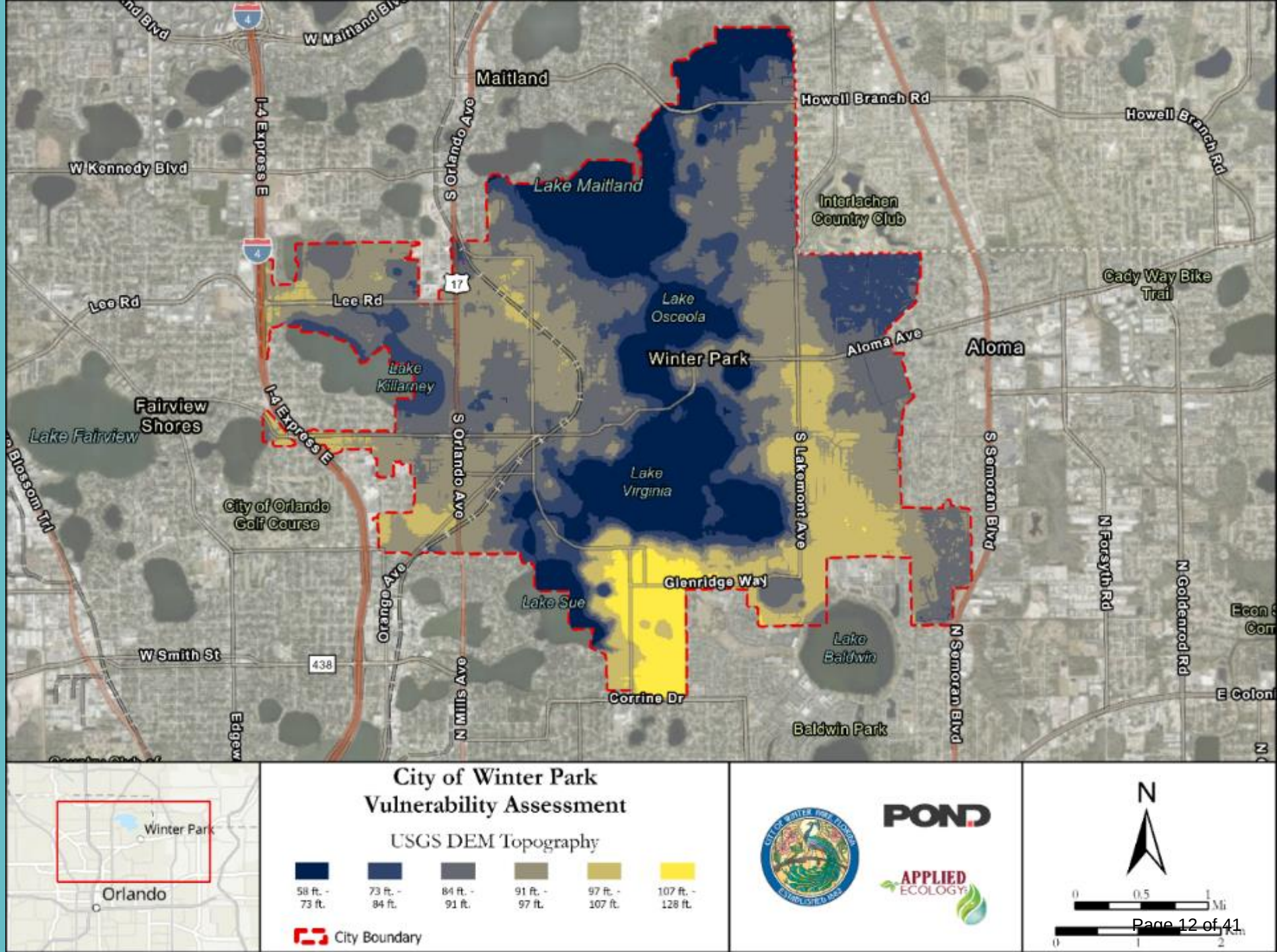
- Assess implementation capabilities
- Create a schedule of activities, actions, and actors

ELEVATION
(NAVD88)

57.8-123.3 FT

South to North

Almost visualize
where flooding
will occur around
lakes





RAINFALL

24-hr Storm Interval	Rainfall Depth (Inches)
5-year	5.22
10-year	6.12
25-year	7.56
50-year	8.82
100-year	10.20
200-year	11.80
*500-year	14.89

Bolded storm scenarios were modeled.

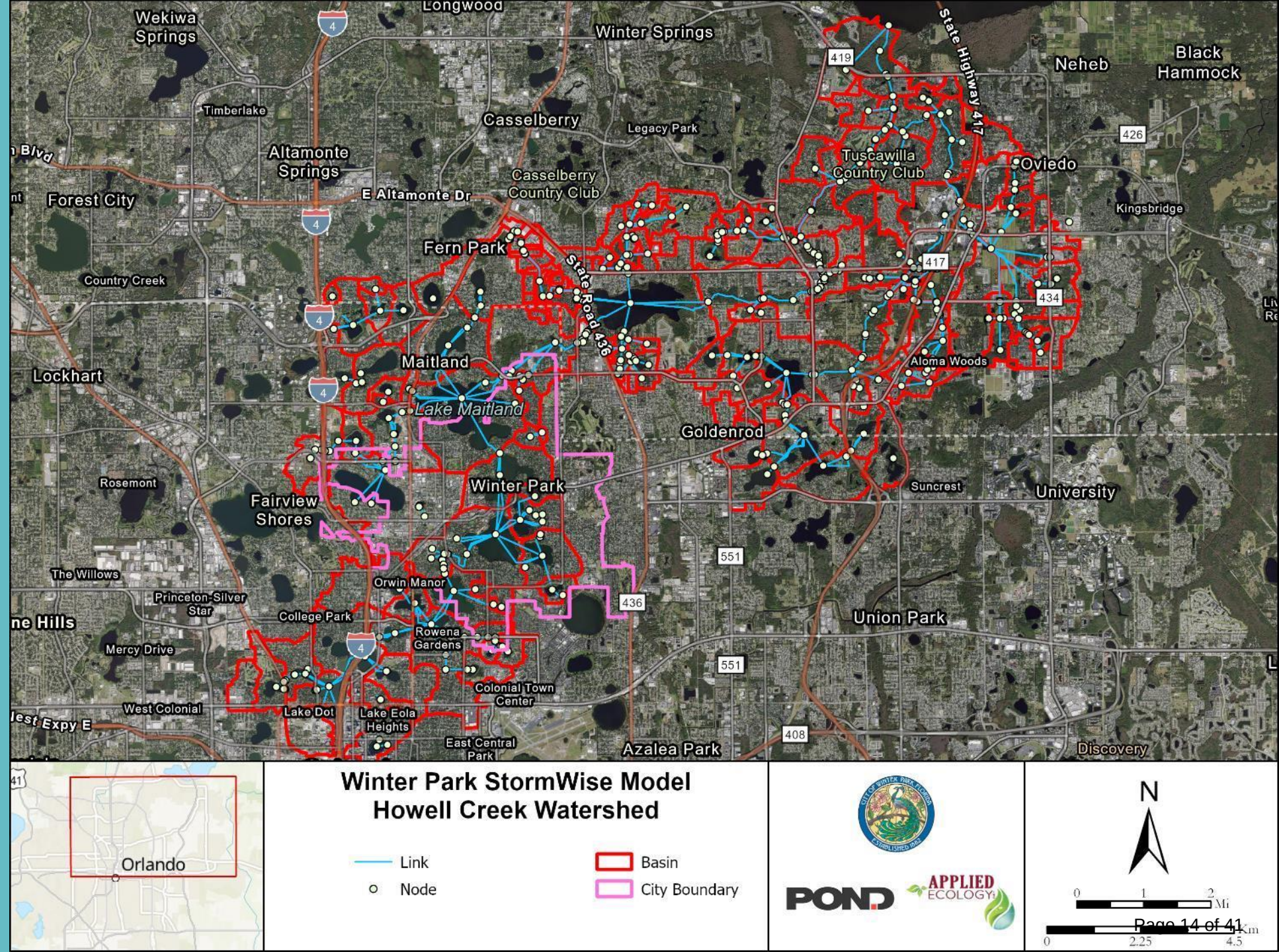
*Hurricane Ian (2022) = 14.2”

STORMWISE MODEL (REGIONAL EFFORT)

Updated FEMA Flood
Insurance Rate Maps &
Stormwater Master
Plan.

Provides surface flows
based on drainage
basins nodes linked by
conveyance system.

Modeled 100-yr and
500-yr, 24-hr storms.



CRITICAL ASSETS IDENTIFIED WITHIN THE CITY OF WINTER PARK

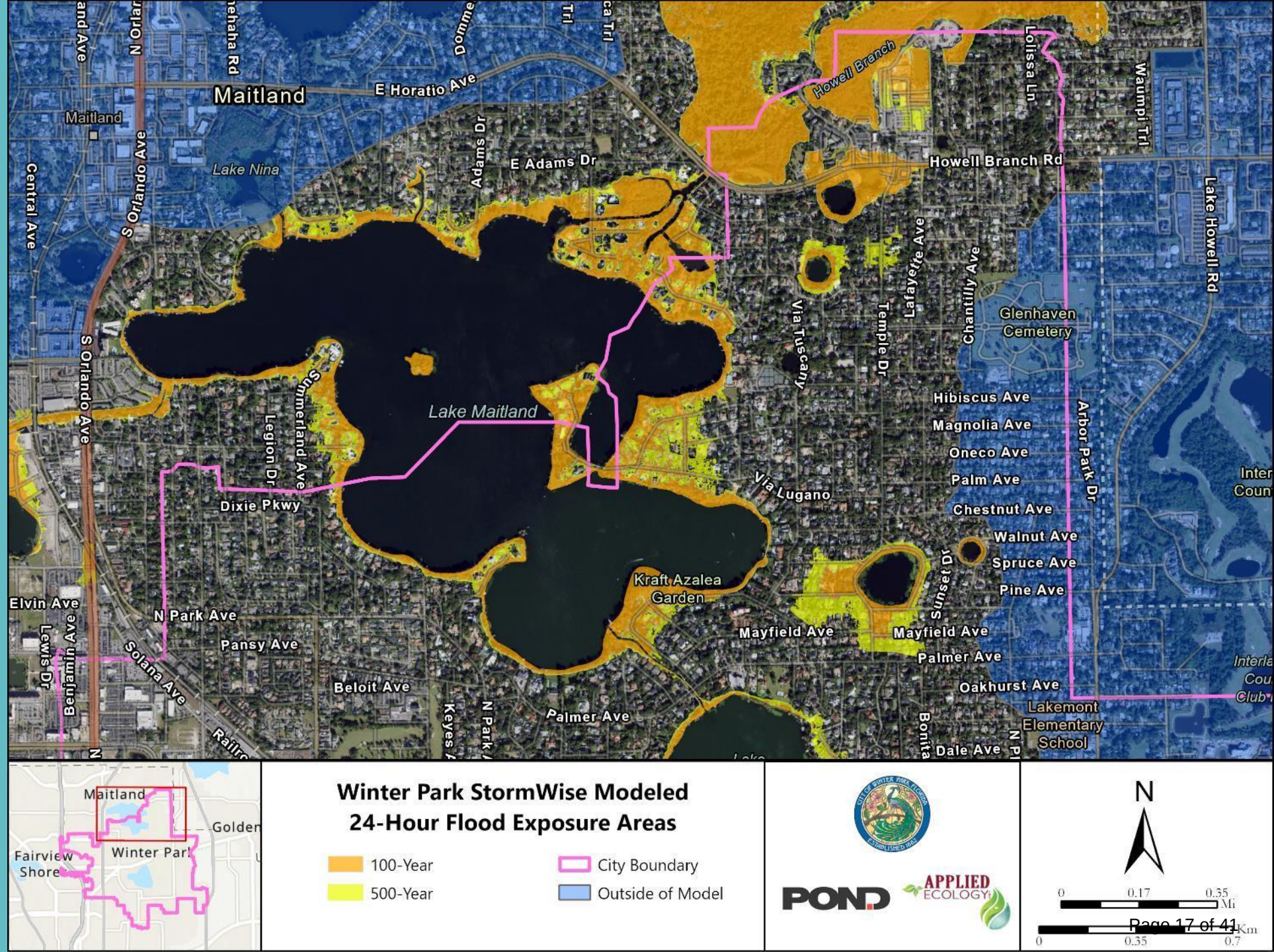
Critical Assets	Number
Bridges	7
Bus Terminals	107
Marinas	1
Communications Facilities	2
Disaster Debris Management Site	1
Drinking Water Facilities	4
Wastewater Treatment Plant	1
Electrical Production	1
Hazardous Waste Facilities	8
Solid Waste Facilities	8
Stormwater Assets	3068
Schools	8
College/University	9
Community Center	2
Emergency Operation Center	1
Fire Stations	3
Health Care Facilities	7
Hospital	1
Law Enforcement	2
Local Government Facilities	20
Logistical Staging Area	1
Conservation Land	15
Wetlands	44
Historical & Cultural Sites	24
Parks	122

FLOOD EXPOSURE & SENSITIVITY

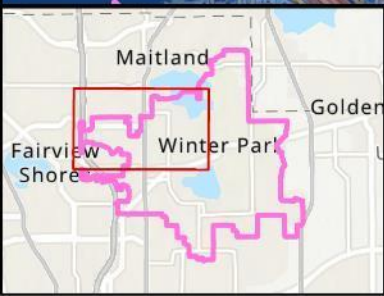
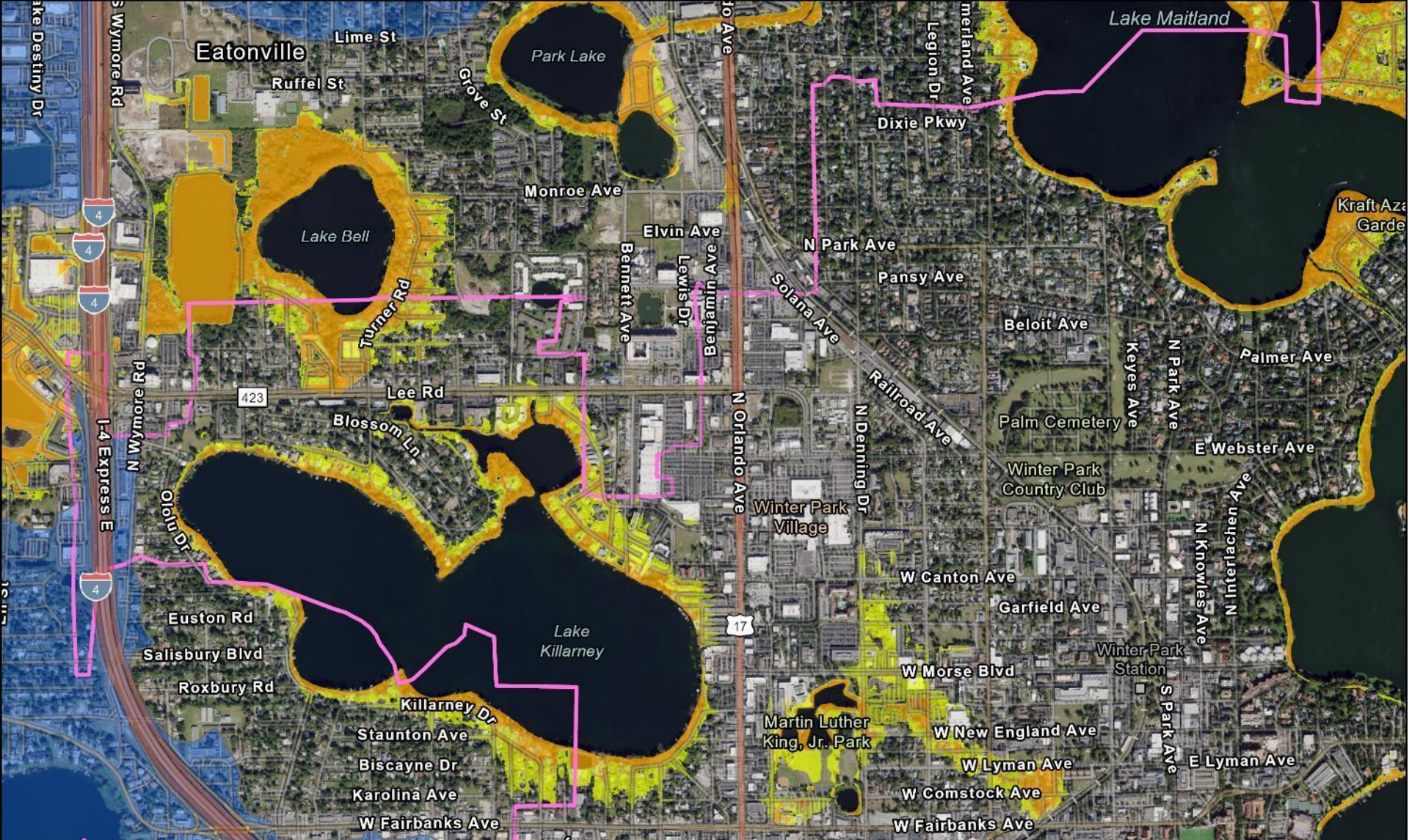
- Modeled 2040 and 2070 sea level rise projections - they do not impact the City
- Modeled two storm scenarios – 100-yr and 500-yr, 24-hr storms
- Exposure refers to the asset's exposure to flood waters, not inundated
- Sensitivity refers to the depth of the water that covers the asset



NORTH REGION STORM FLOOD EXPOSURE



NORTH -WEST
REGION
STORM
FLOOD EXPOSURE



**Winter Park StormWise Modeled
24-Hour Flood Exposure Areas**

100-Year	City Boundary
500-Year	Outside of Model



POND **APPLIED ECOLOGY**

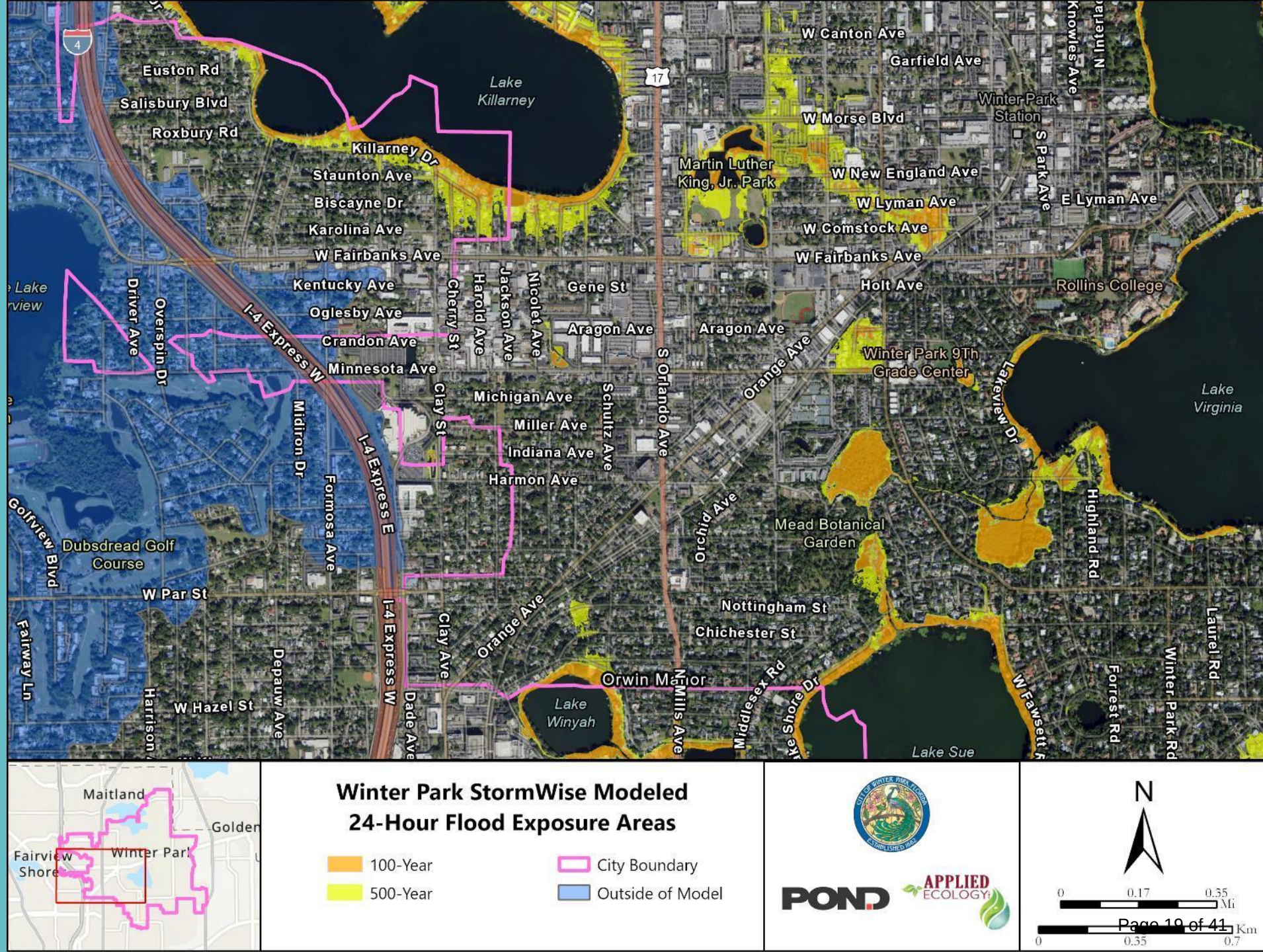
N



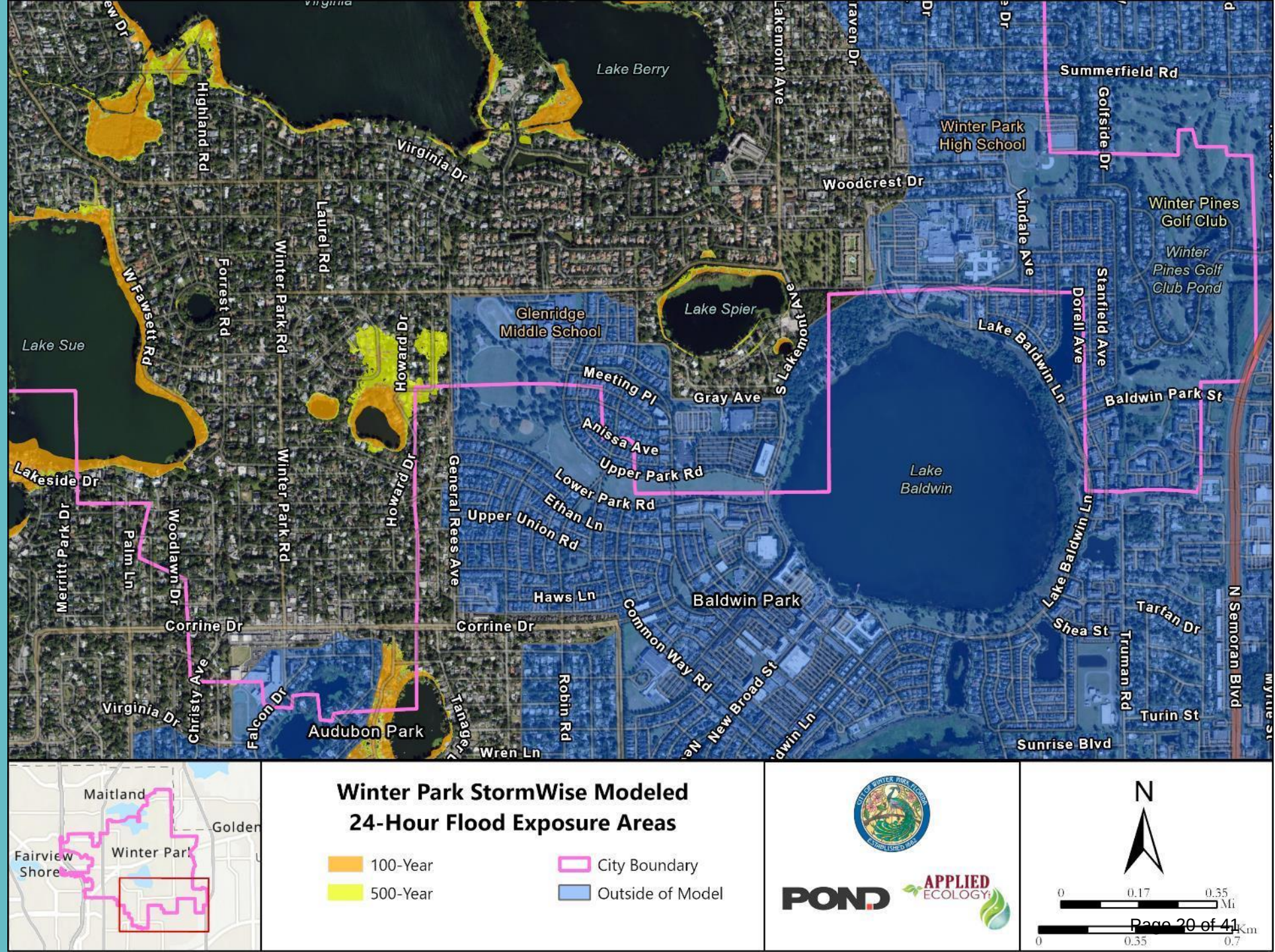
0 0.17 0.35 Mi
0 0.35 0.7 Km

Page 18 of 41

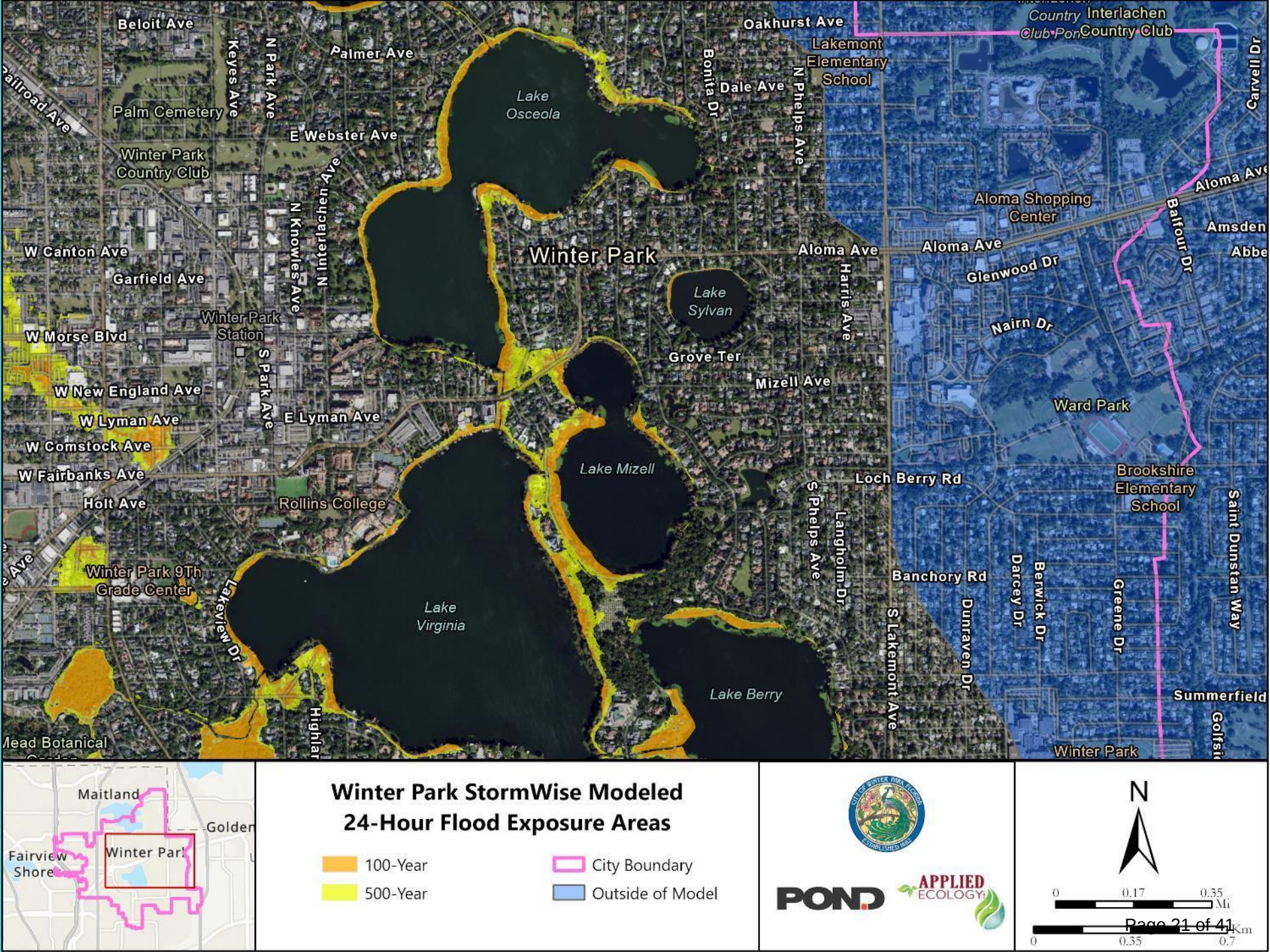
WEST REGION STORM FLOOD EXPOSURE



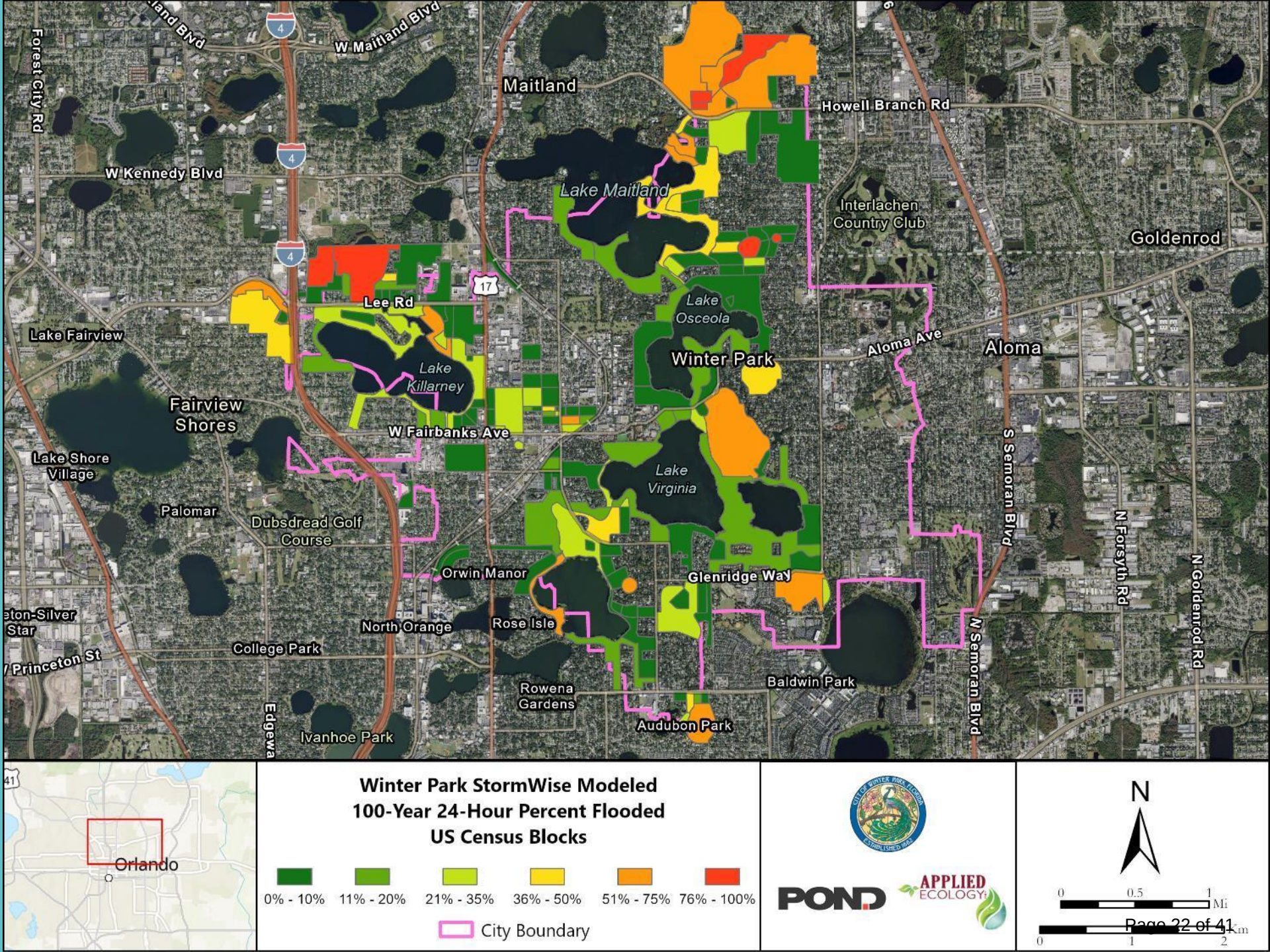
SOUTH REGION STORM FLOOD EXPOSURE



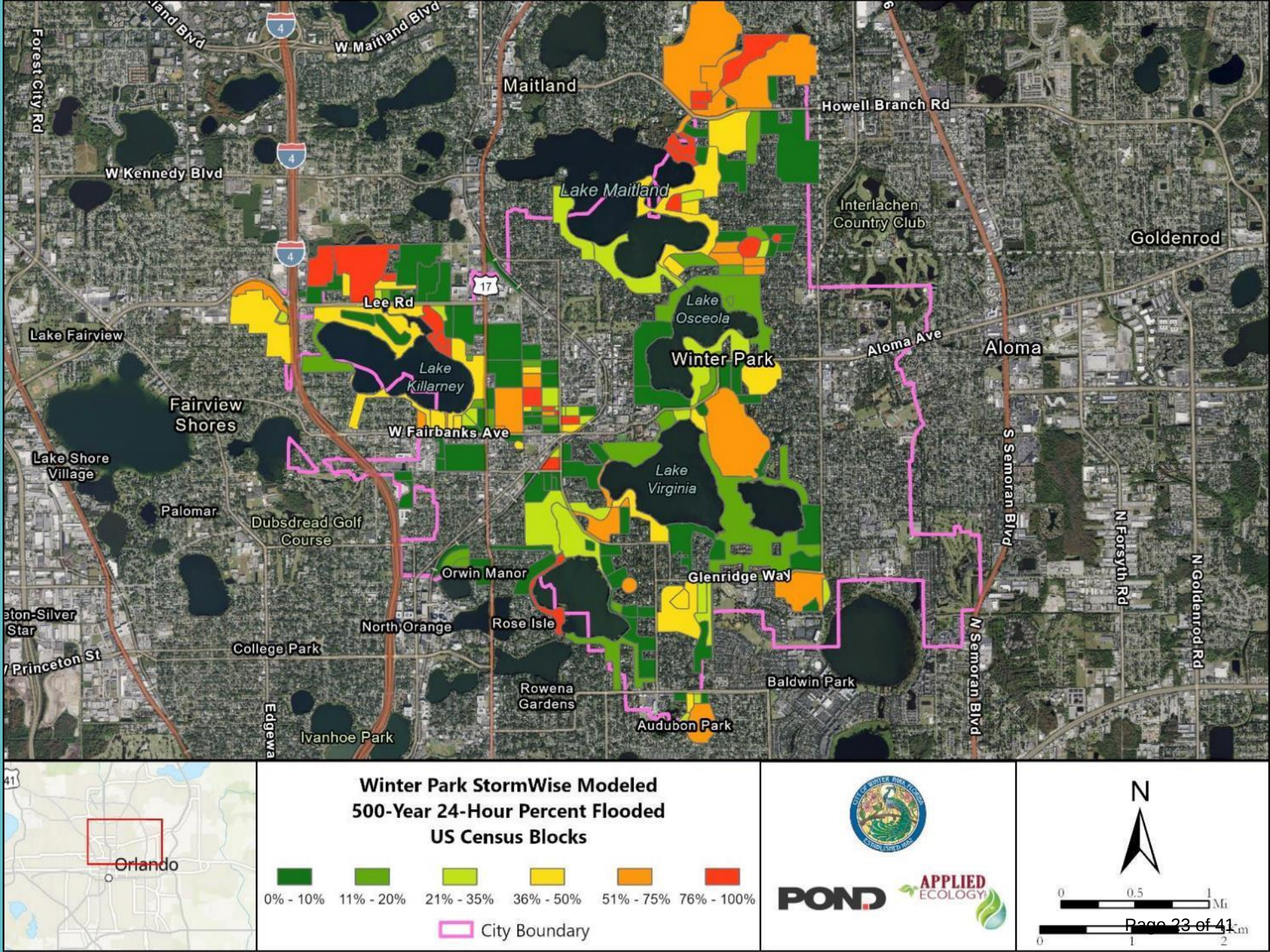
EAST-CENTRAL
REGION
STORM
FLOOD EXPOSURE



100-YR, 24-HR
STORM
FLOOD EXPOSURE

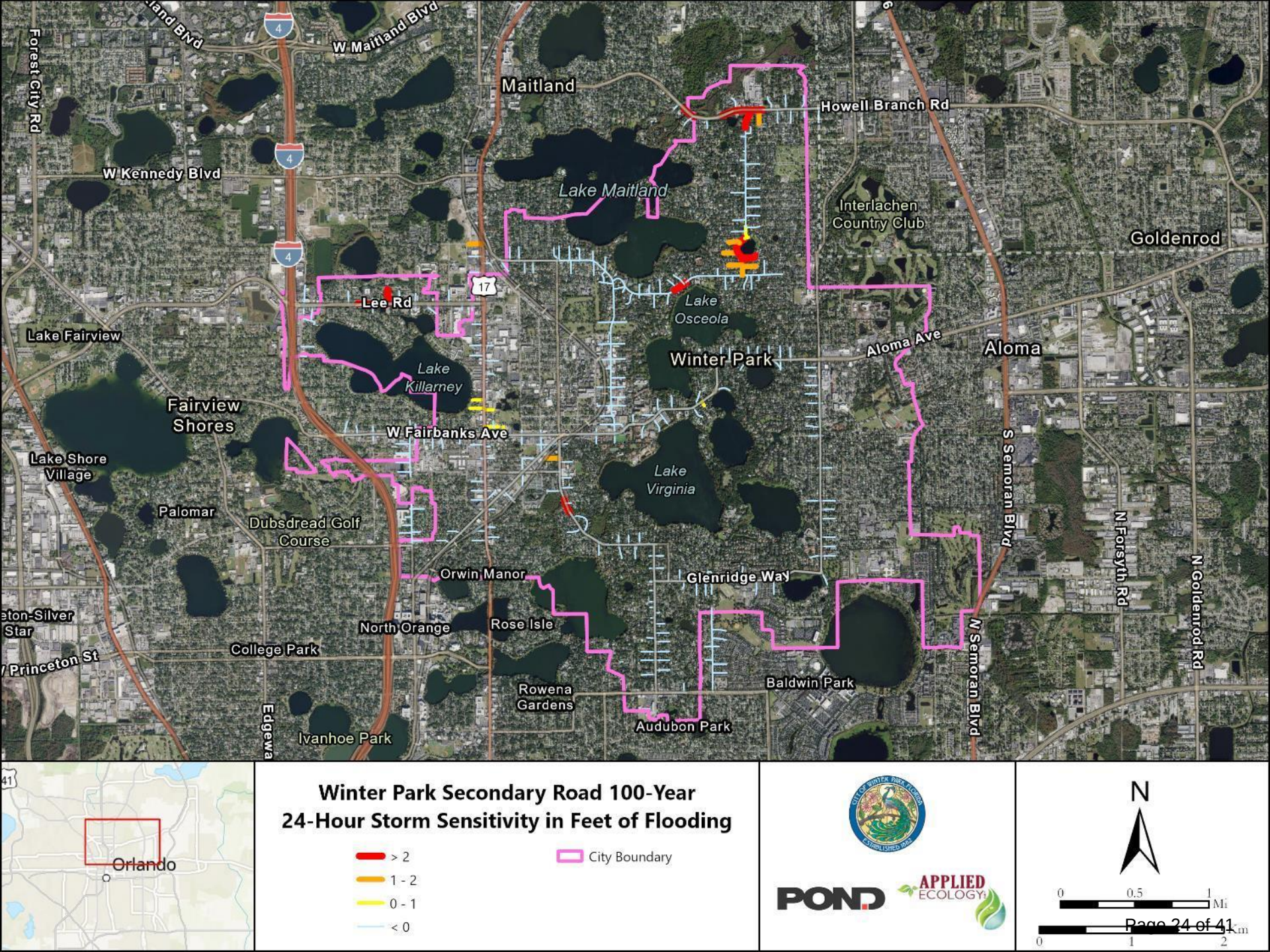


500-YR, 24-HR
STORM
FLOOD EXPOSURE

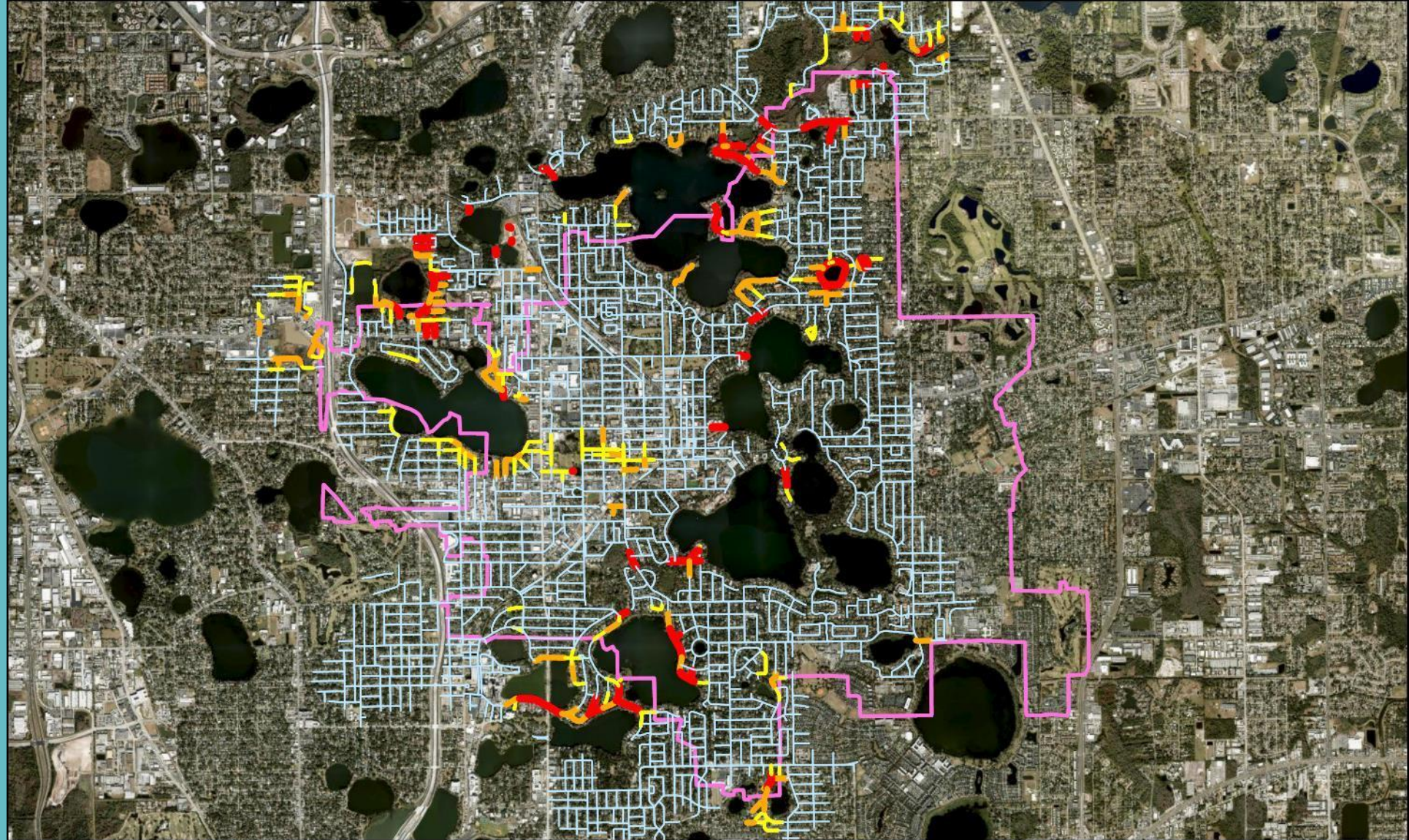


SECONDARY
ROADS

100-YR
FLOOD EXPOSURE
& SENSITIVITY



LOCAL ROADS FLOOD EXPOSURE & SENSITIVITY



**Winter Park Local Road 100-Year
24-Hour Storm Sensitivity in Feet of Flooding**



POND

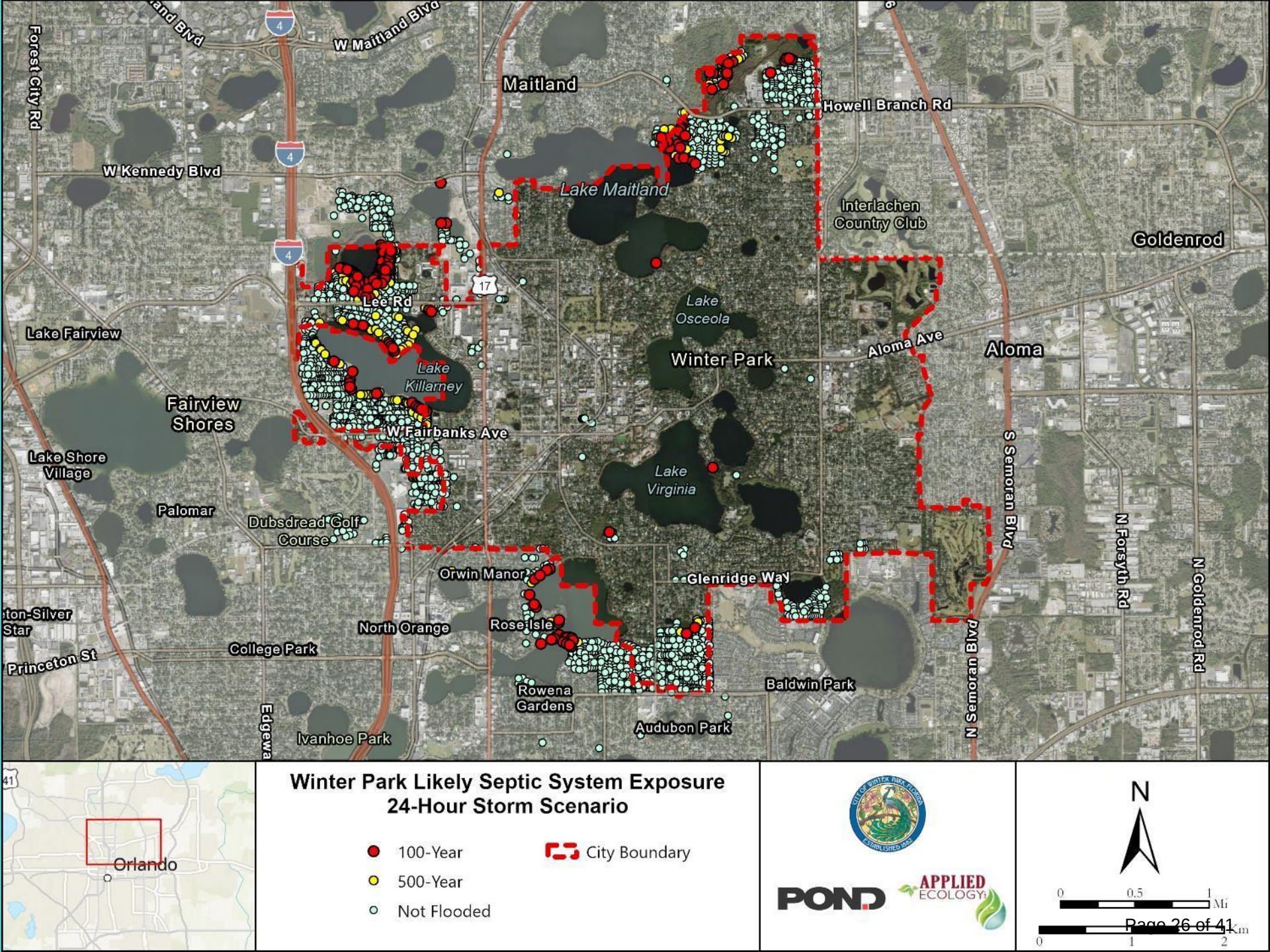
**APPLIED
ECOLOGY**



0 0.5 1 Mi

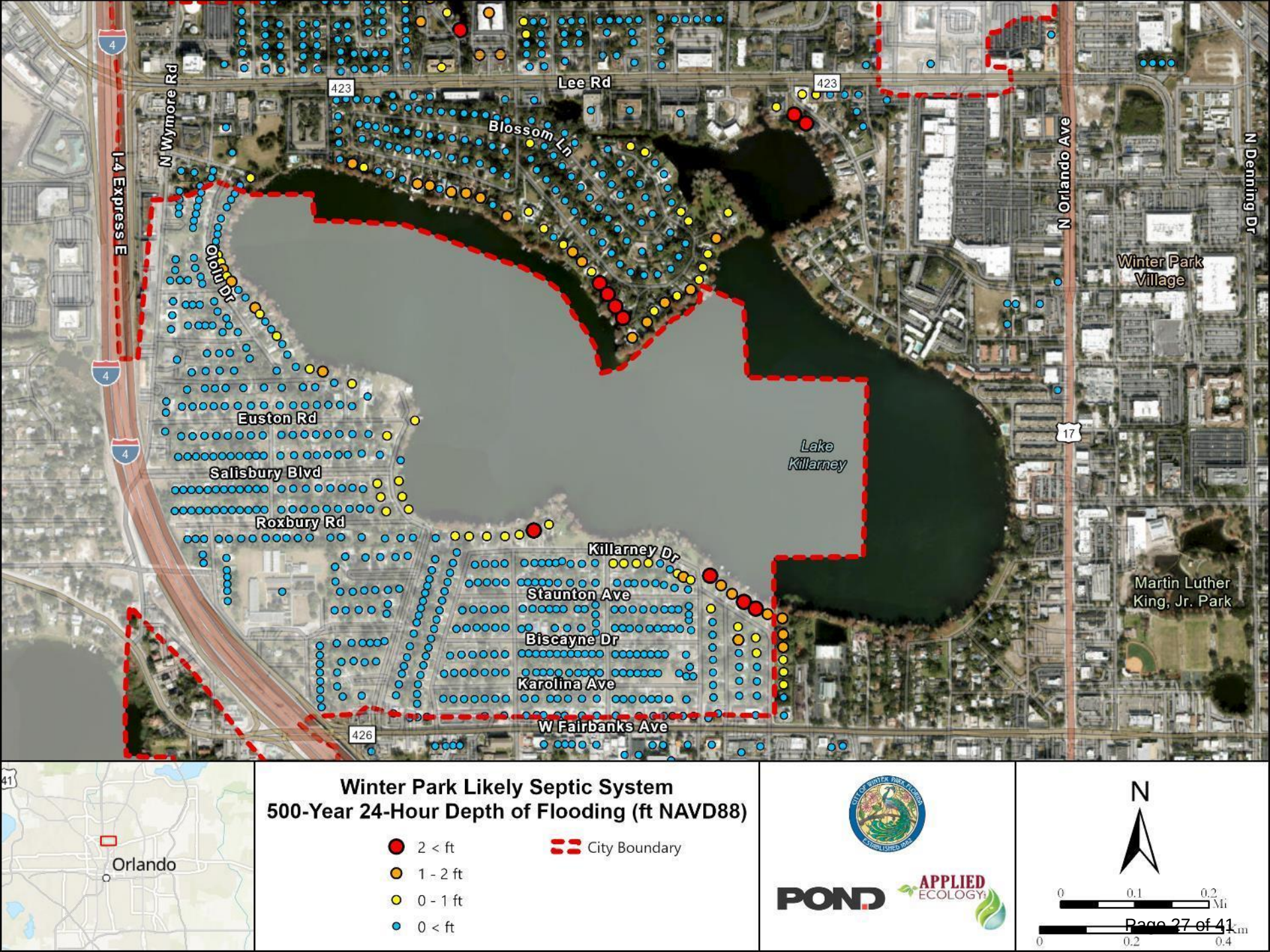
0 1 2 Km

SEPTIC TANKS
FLOOD EXPOSURE

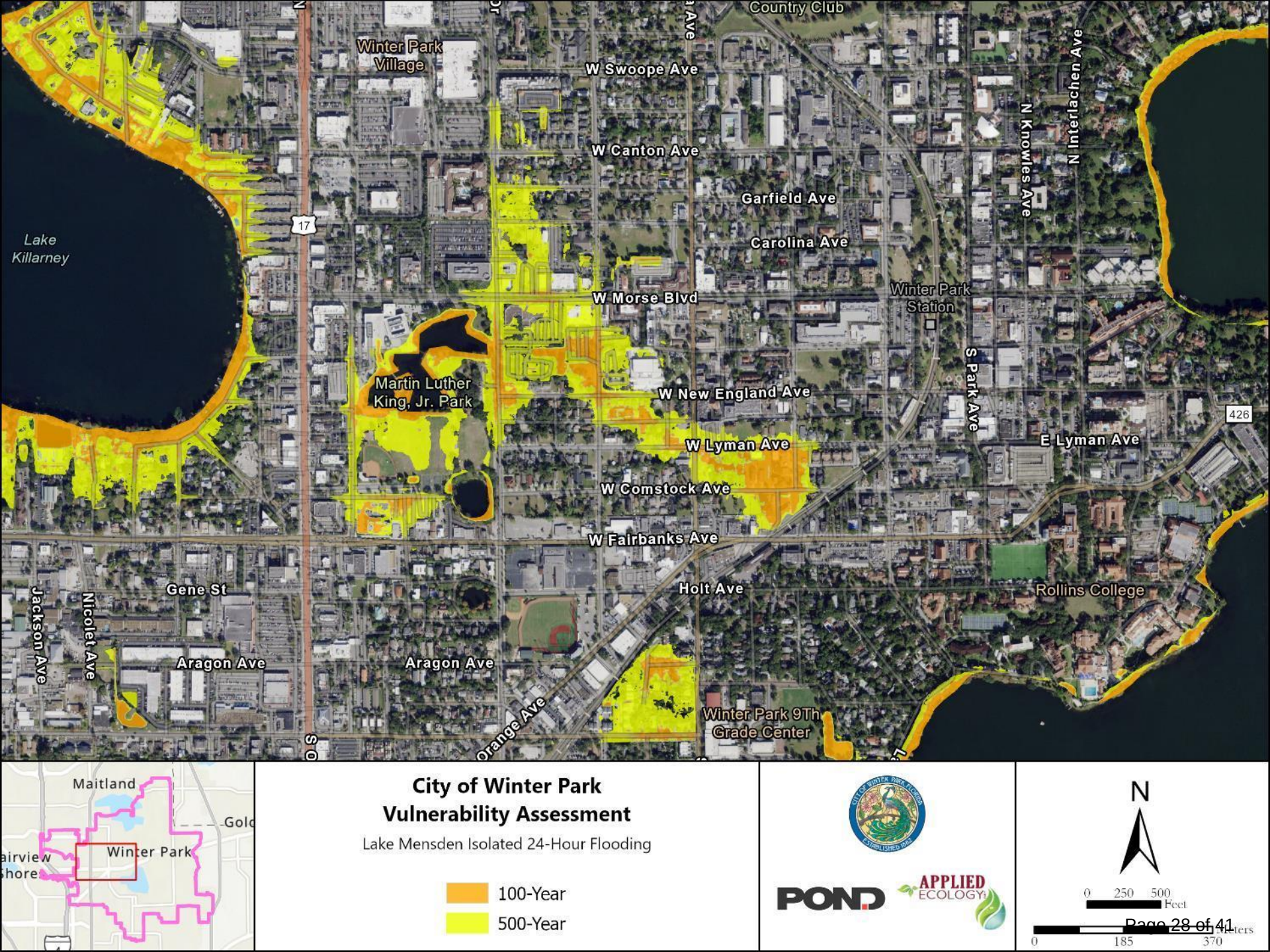


FOCUS AREA
LAKE KILLARNEY
SEPTIC TANKS

FLOOD EXPOSURE
& SENSITIVITY

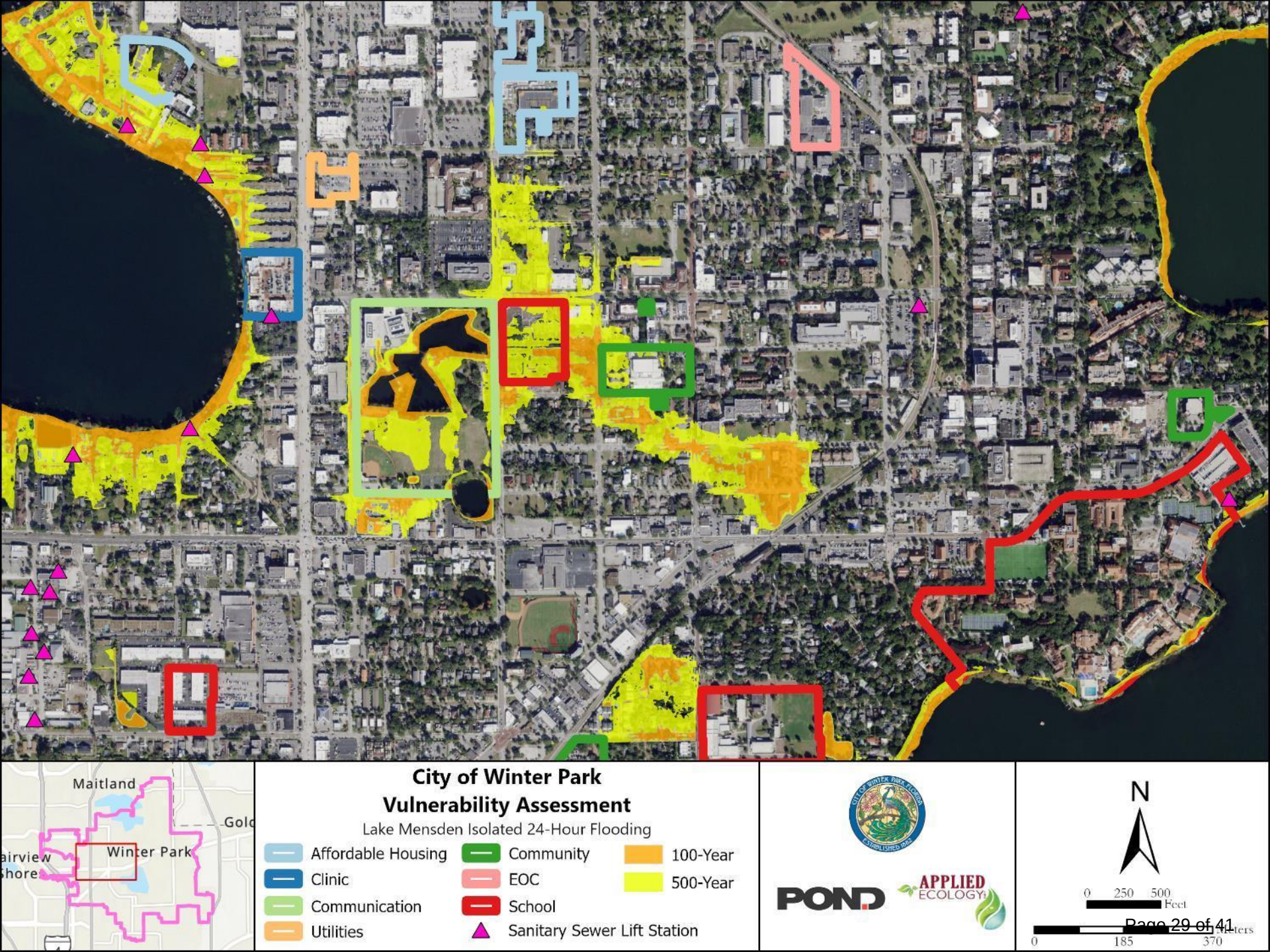


STORMWATER
FOCUS AREA
LAKE MENS DEN



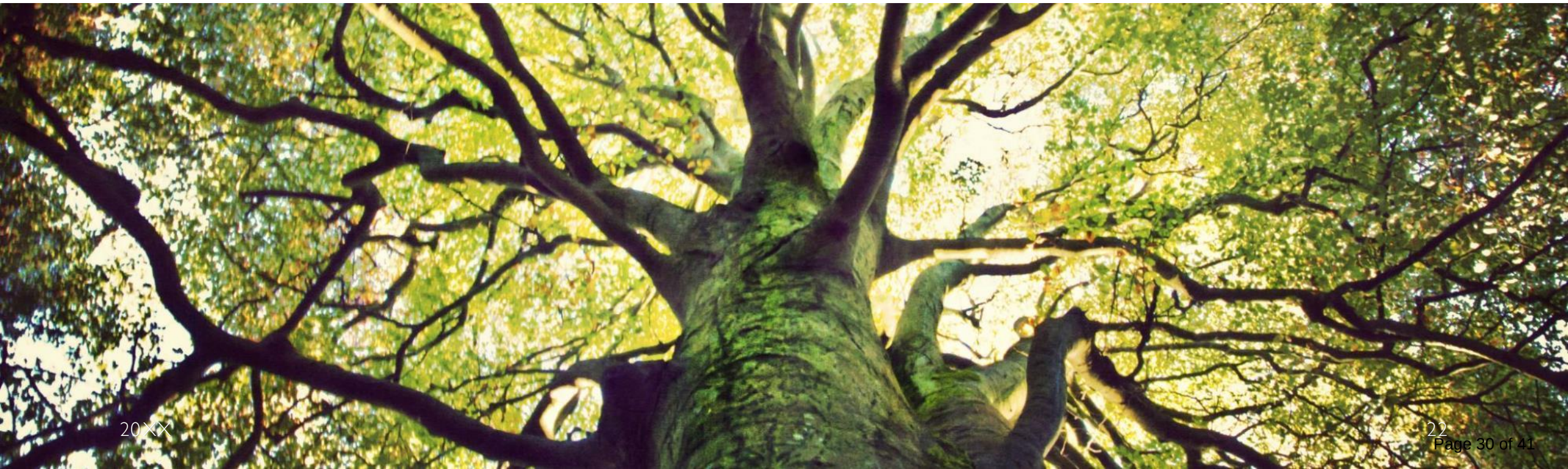
LAKE MENS DEN
FOCUS AREA

CRITICAL
FACILITIES

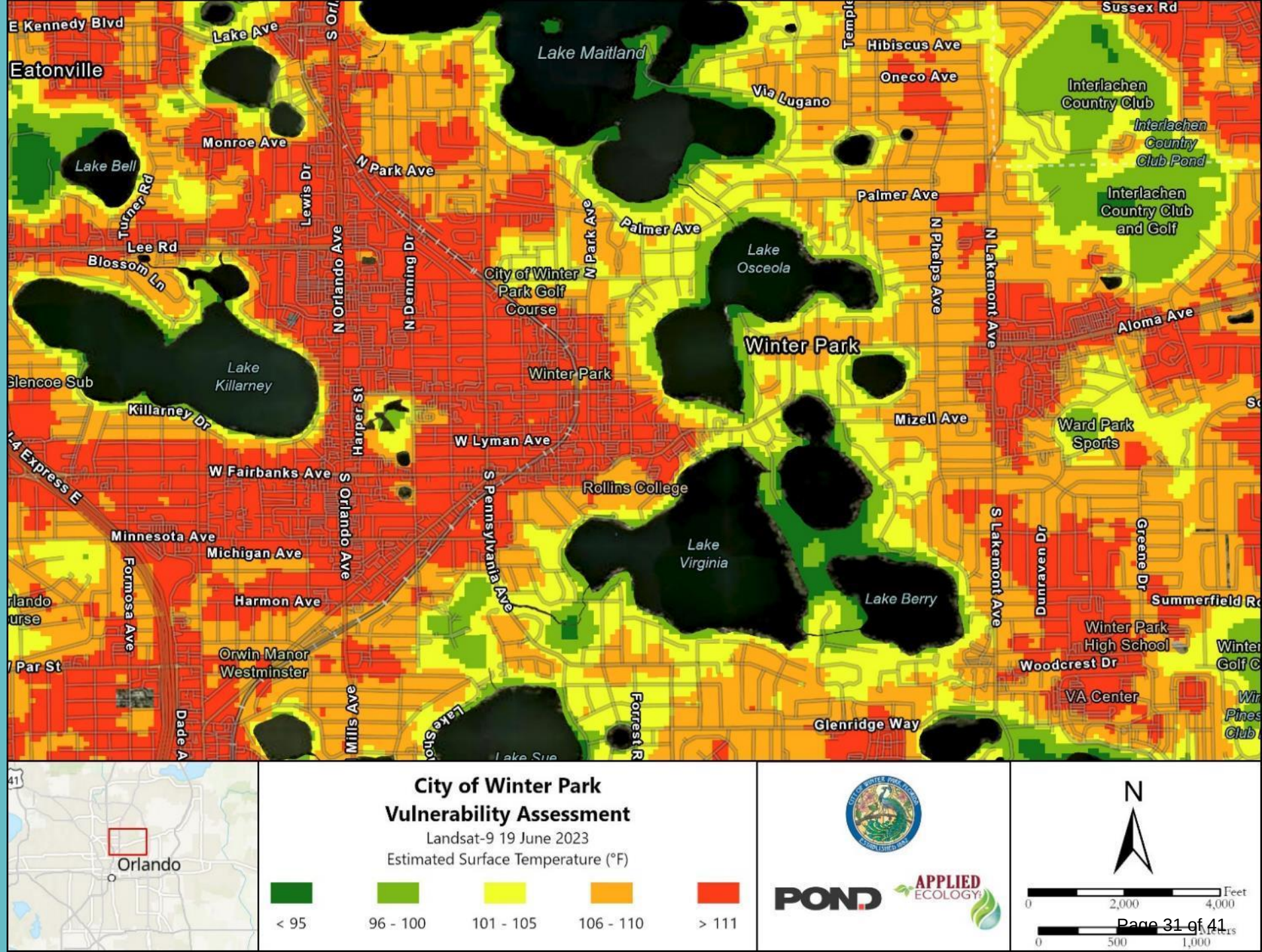


TEMPERATURE CHANGE

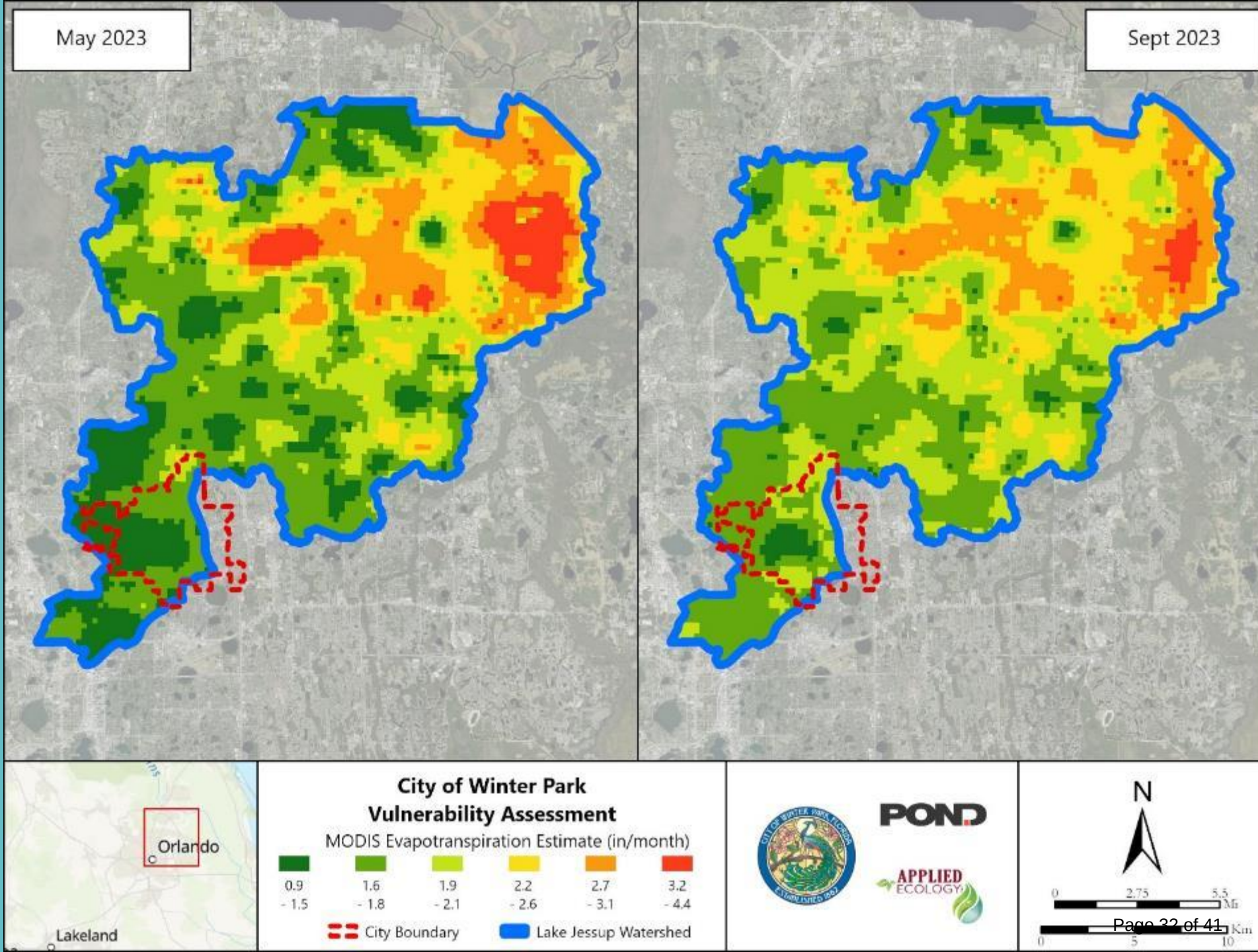
Temperature
Evapotranspiration
Tree Canopy



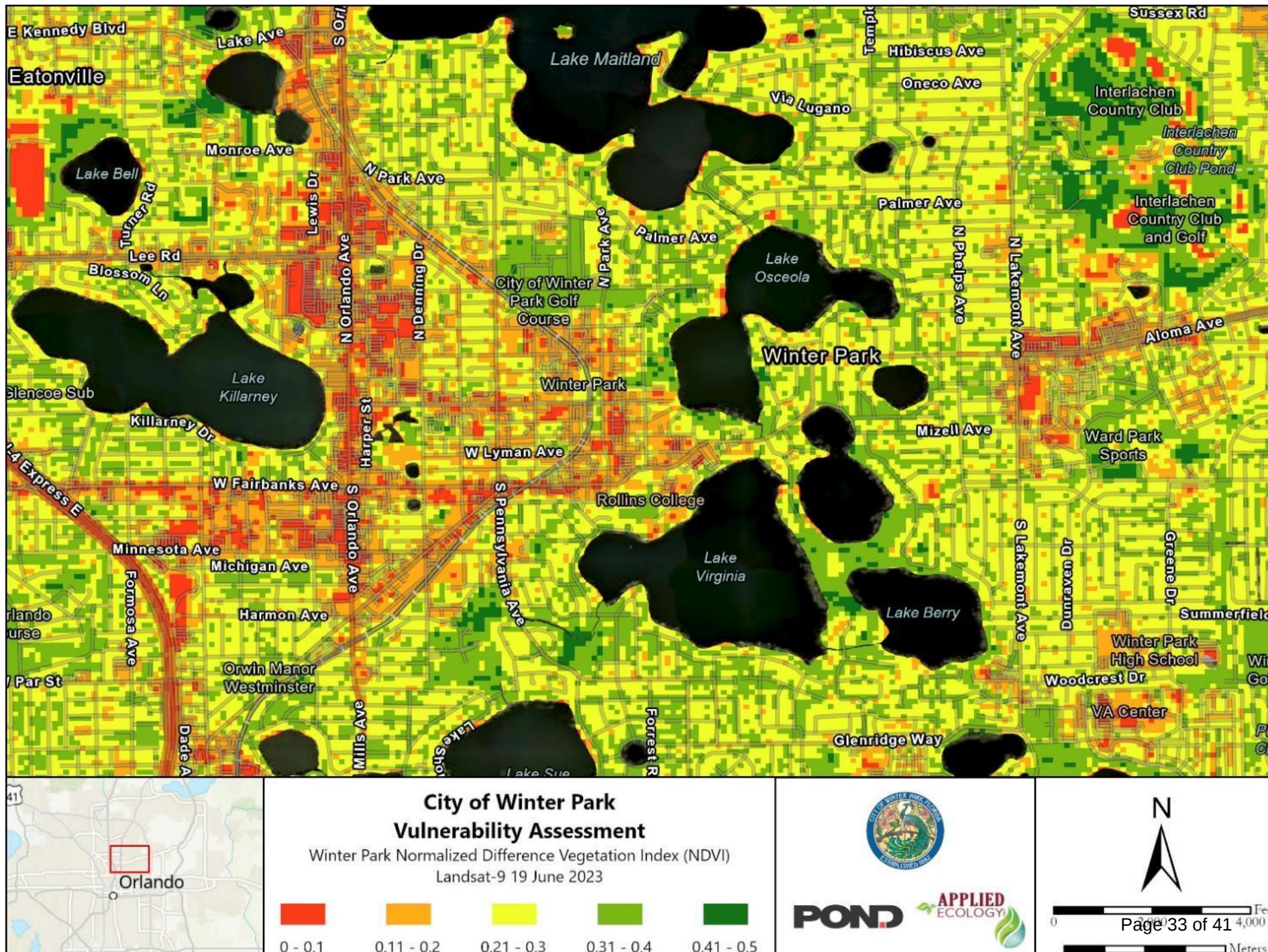
WINTER PARK SURFACE TEMPERATURE (JUNE 2023)



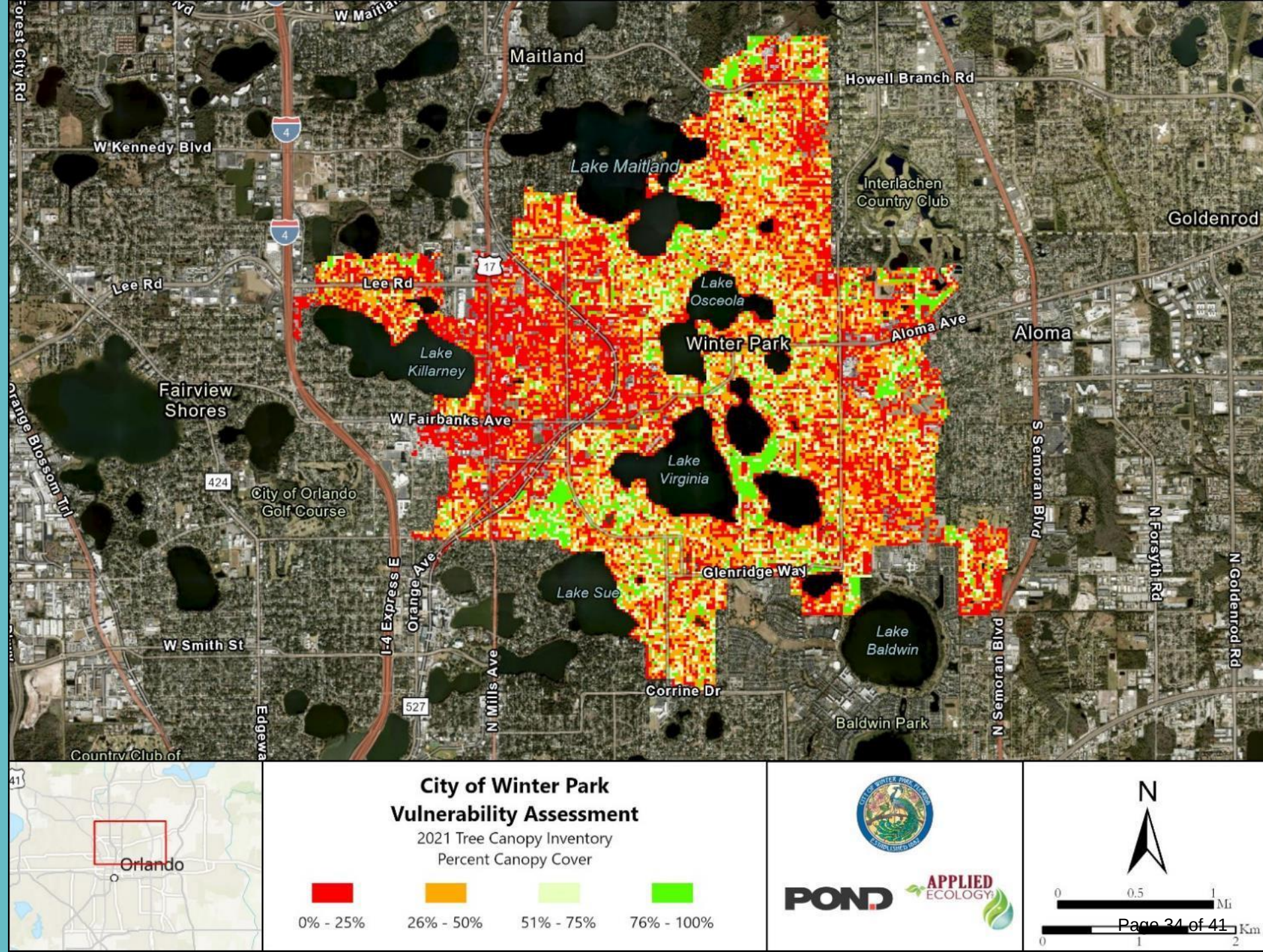
WINTER PARK
EVAPOTRANSPIRATION
MAY & SEPT 2023



WINTER PARK NDVI



WINTER PARK CANOPY COVER (2021)



City of Winter Park
Vulnerability Assessment
 Winter Park Normalized Difference Vegetation Index (NDVI)
 Landsat-9 19 June 2023

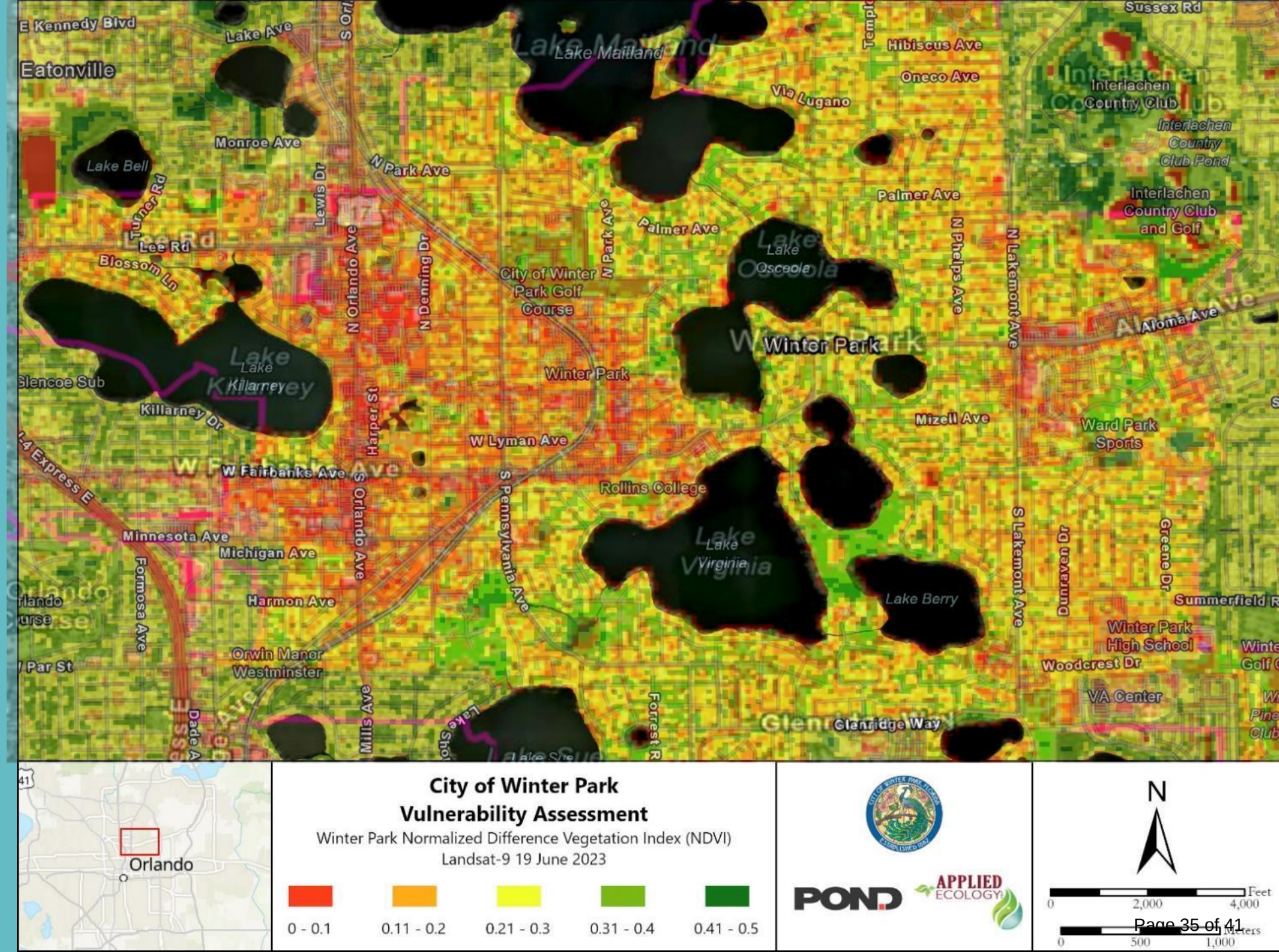
Legend: NDVI Ranges

NDVI Range	Color
0 - 0.1	Red
0.11 - 0.2	Orange
0.21 - 0.3	Yellow
0.31 - 0.4	Light Green
0.41 - 0.5	Dark Green

Logos: POND, APPLIED ECOLOGY

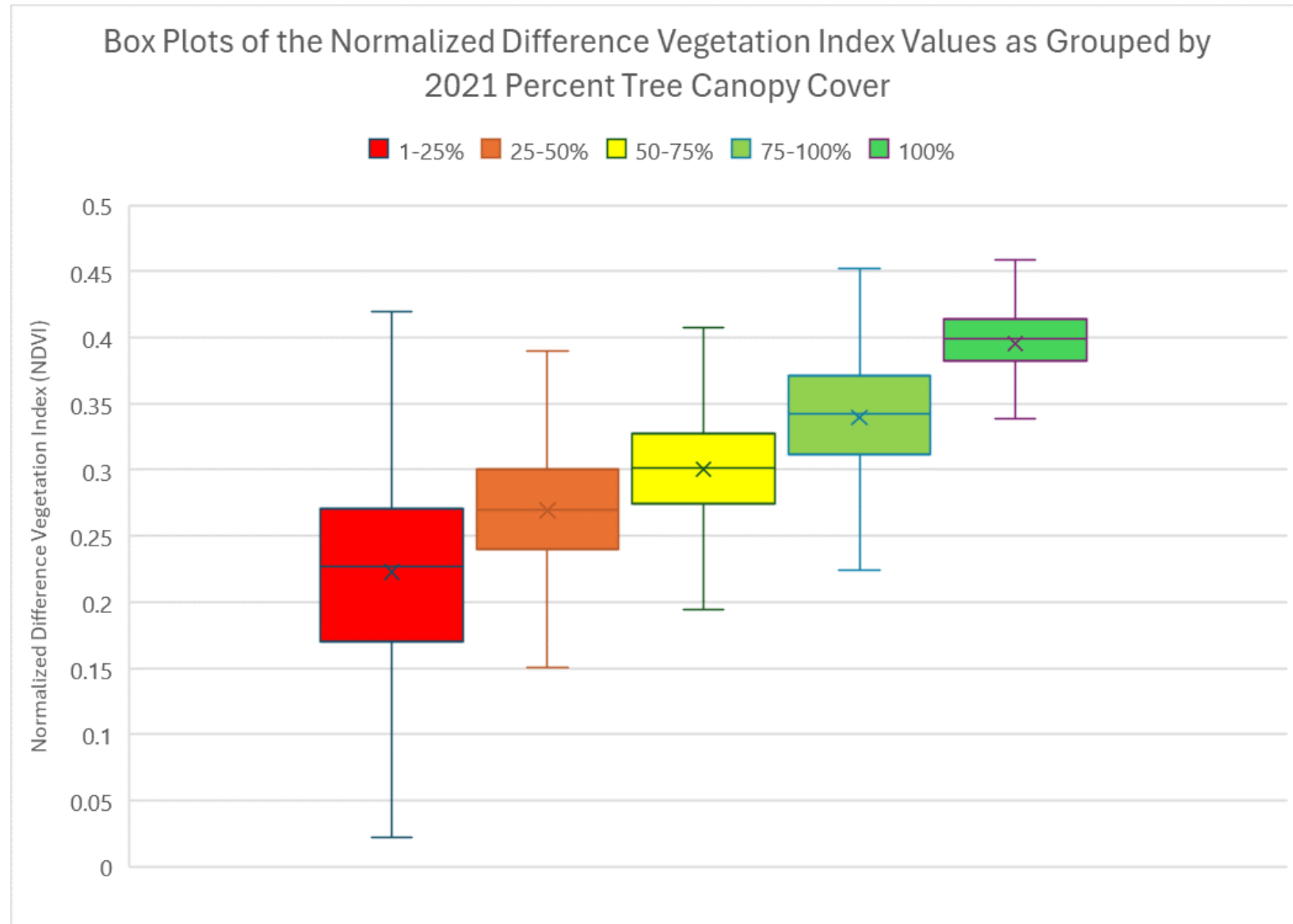
Scale: 0 to 4,000 Feet, 0 to 1,000 Meters

Page 35 of 41

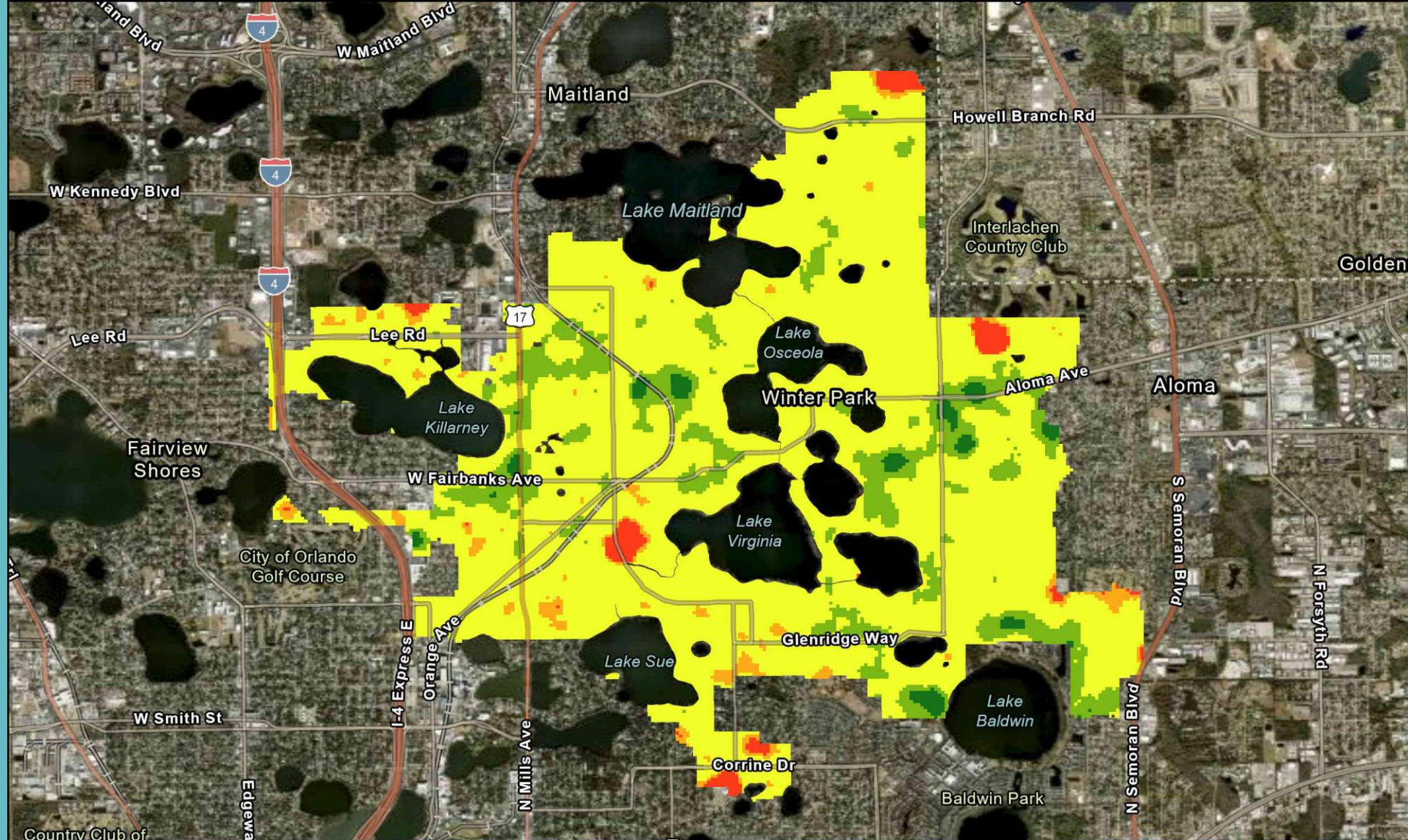


WINTER PARK

NDVI COMPARED TO TREE CANOPY (2021)



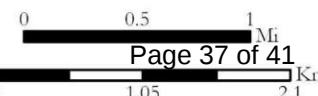
WINTER PARK TEMPERATURE CHANGE (2014-23)



Winter Park Estimated Trend in
Surface Temperature from 2014-2023



POND



THANK YOU!



Questions?

Leesa Souto, Ph.D.

Principal Scientist

LSouto@AppliedEcologyInc.com

321-499-3336 Ext. 12





Keep Winter Park Beautiful & Sustainable Advisory Board

agenda item 6.a

item type

Staff Updates

meeting date

September 11, 2024

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

Natural Resources & Sustainability

- Food Insecurity
- Landscape Ordinance ad-hoc Meeting
- CFI DOT Grant
- Public Engagement

motion | recommendation

background

alternatives | other considerations

fiscal impact

attachments

None



Keep Winter Park Beautiful & Sustainable Advisory Board

agenda item 6.b

item type

Staff Updates

meeting date

September 11, 2024

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

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

None

