

Lake Bonnet Drainage Basin Flood Hazard Mitigation Project

Bi-weekly Meeting with FL DOC, City of Lakeland, and AECOM Team
Status Update (03/28/24)

Wildlife Survey Was completed

Currently performing Wetlands Survey



Alligator



Wood Stork



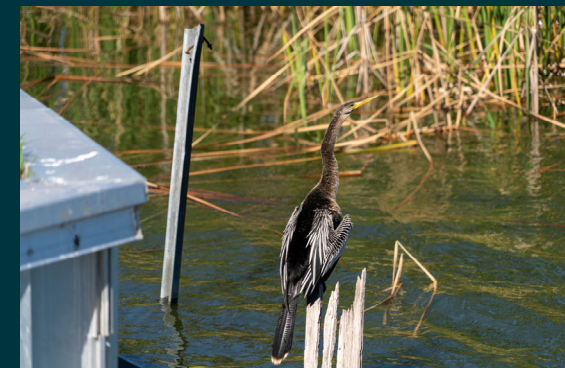
Tri-color Heron



Blue Heron



Osprey



Anhinga

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Data Collection

Geotechnical work for the project area was completed.

The deliverables including the lithological descriptions are being prepared



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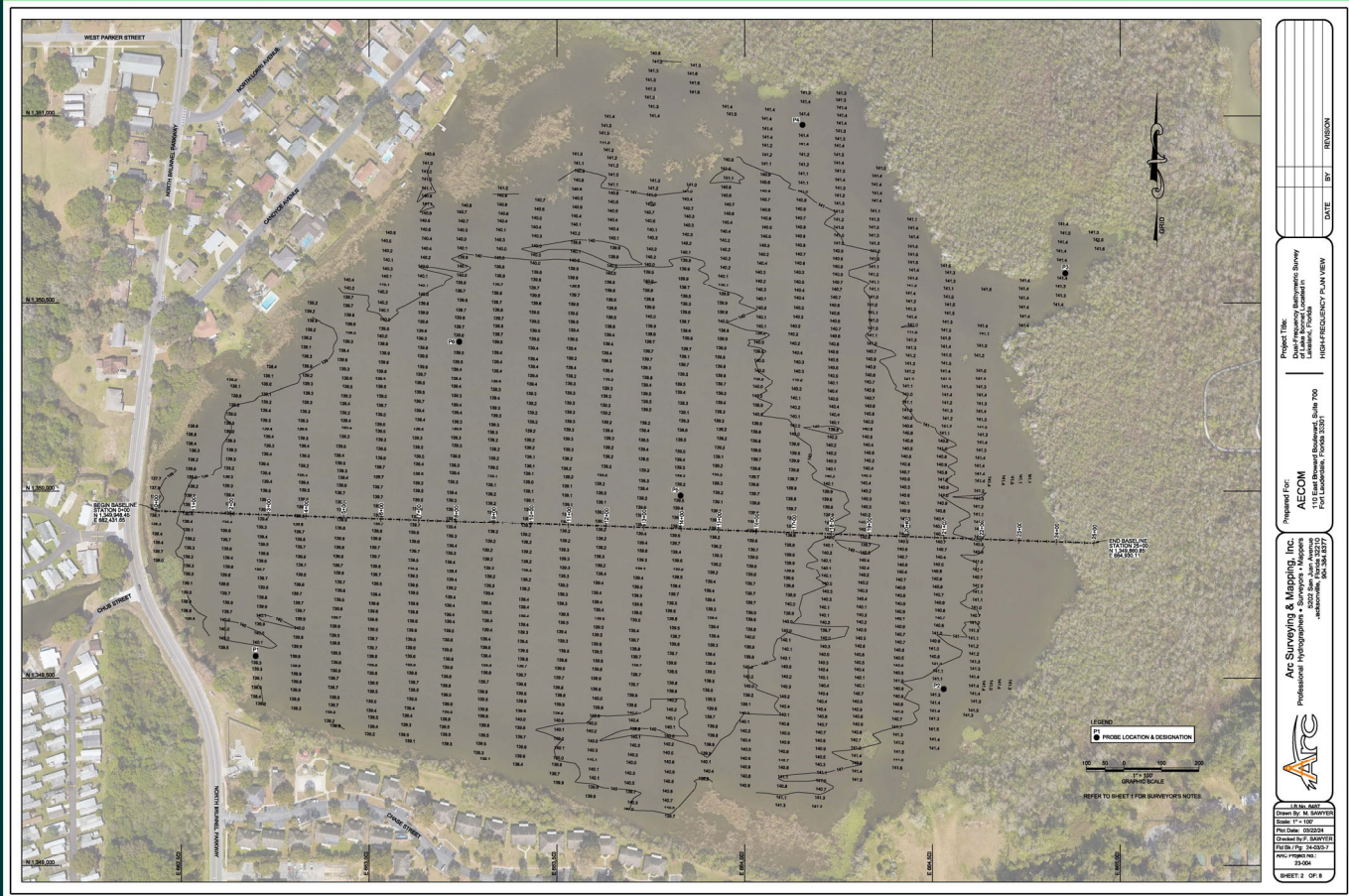
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Data Collection

- Survey work for the floodplain mitigation studies was completed.
- Water depths were acquired utilizing a dual frequency sonar depth sounder operating at 200/24 kHz. 200 kHz records the top of the soft lake bottom sediments and 24 kHz penetrates the soft sediments to a depth that sonar will permit
- Manual probes were also performed during the survey which pushed easily through the sediments.
- Clay was noted on the bottom of the probes at a few locations.
- The upcoming geophysical survey will identify the interface of soft sediments with firm bottom, sediment layering, and the geology to a depth of 30 ft+/- below the existing bottom.

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DATE	BY	REVISION

Project Title: Drainage Basin Flood Hazard Mitigation
 Drawing No.: 240324-001
 Project No.: 240324-001
 Client: City of Lakeland
 Prepared For: AECOM
 Project Location: 1000 West Park Lane
 Lakeland, Florida 33805

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 Lakeland, Florida 33805
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18.0m, 500
 1:100
 Scale: 1" = 100'
 Date: 03/28/24
 Drawn By: J. SWARTZ
 PLO: J. SWARTZ
 240324-001
 SHEET 2 OF 8



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DATE	BY	REVISION
Project Title: Lake Bonnet Drainage Basin Flood Hazard Mitigation Project		
Prepared For: AECOM, 1201 Lakeland Blvd, Suite 150, Lakeland, FL 33801		
Date: 03/28/24 Plot Date: 03/28/24 Drawn By: M. Sawyer Checked By: M. Sawyer AECOM Project No.: 24004 SHEET 8 OF 8		