



Survey Metadata

Data Greg Knothe
Collector:
Survey Time 2022 August
Stamp (UTC): 15 - 13:16
Starting 28.101692,
Location: -81.962792
Ending 28.110392,
Location: -81.950182
Distance 10.279 miles

Survey Settings

Includes Edited Data: Yes
Track Buffer: 95 m
BV Grid Cell Size: 19 m
BV Minimum 5.0%
Detection - Percent:
BV Minimum 2.400 ft
Detection - Depth:
BV Maximum 20.000
Detection - Depth: ft
BV Sonar Channel: NA

Survey Statistics

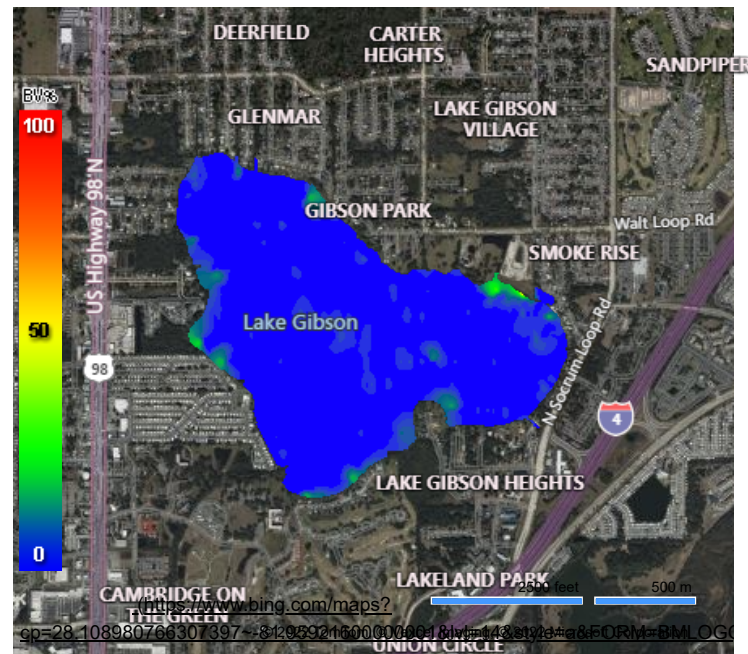
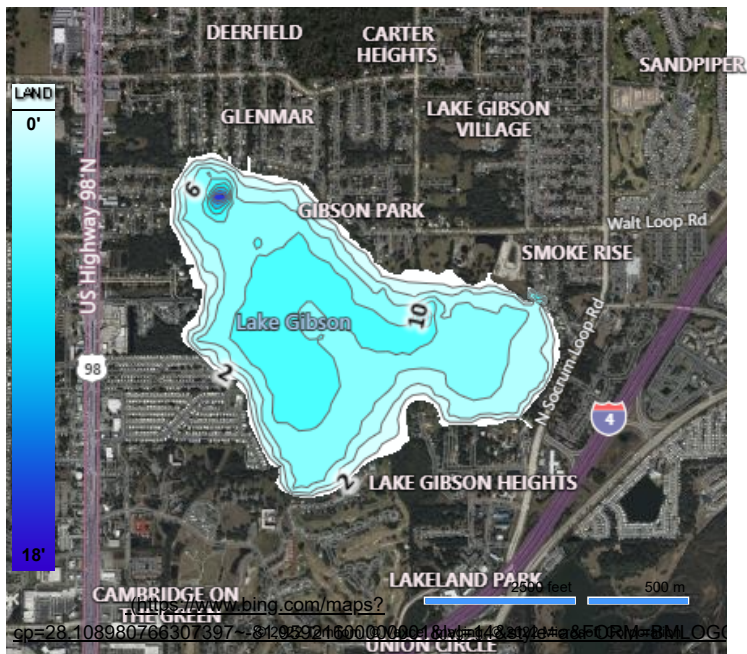
Average Water 87.0 °F
Temperature:
Survey Area: 492.149
acres
Survey Volume: 3028.442
acre ft
Percent of 98.8%
Waterbody
Surveyed:
Waterbody Area: 497.889
acres
Estimated 3063.764
Waterbody acre ft
Volume

Survey Summary

Type	PAC	Avg BVp	SD BVp	Avg BVw	SD BVw	Depth Range	Depth Avg	No. Depth Records
Point	7.5%	10.8%	± 11.4%	0.8%	± 5.5%	2.04 - 19.32 ft	6.469 ft	9544
Grid	3.1%	10.7%	± 6.3%	0.3%	± 2.1%	0.20 - 17.99 ft	6.153 ft	7070

Bathymetric Contour Map

Vegetation Biovolume Heat Map



Manual Vegetation

None

Manual Depth

None

Biovolume Analysis by Quintiles

Type	0 - 20%	20 - 40%	40 - 60%	60 - 80%	80 - 100%
Point	99.5%	0.0%	0.0%	0.2%	0.2%
Grid	99.7%	0.3%	0.0%	0%	0%

Biovolume Analysis by Depth

Type	Depth	Count	PAC	Avg BVp	SD BVp	Avg BVw	SD BVw
------	-------	-------	-----	---------	--------	---------	--------

Point	0 - 1 m	26	21.8%	30.4%	± 31.2%	6.6%	± 20.2%
	1 - 2 m	407	11.1%	11.4%	± 12.5%	1.3%	± 7.3%
	2 - 3 m	226	4.6%	7.5%	± 7.4%	0.3%	± 1.7%
	3 - 4 m	0	0%	0%	± 0%	0%	± 0%
	4 - 5 m	0	0%	0%	± 0%	0%	± 0%
	5 - 6 m	0	0%	0%	± 0%	0%	± 0%
	6 - 7 m	0	0%	0%	± 0%	0%	± 0%
	7 - 8 m	0	0%	0%	± 0%	0%	± 0%
	8 - 9 m	0	0%	0%	± 0%	0%	± 0%
	9 m +	0	0%	0%	± 0%	0%	± 0%
Grid	0 - 1 m	1067	14.9%	11.1%	± 6.4%	1.7%	± 4.7%
	1 - 2 m	2254	2.3%	9.8%	± 5.9%	0.2%	± 1.7%
	2 - 3 m	3672	0.1%	6.2%	± 0.8%	0.0%	± 0.2%
	3 - 4 m	55	0%	0%	± 0%	0%	± 0%
	4 - 5 m	17	0%	0%	± 0%	0%	± 0%
	5 - 6 m	6	0%	0%	± 0%	0%	± 0%
	6 - 7 m	0	0%	0%	± 0%	0%	± 0%
	7 - 8 m	0	0%	0%	± 0%	0%	± 0%
	8 - 9 m	0	0%	0%	± 0%	0%	± 0%
	9 m +	0	0%	0%	± 0%	0%	± 0%

Glossary

AOI

Area of Interest: Defines the individual transects or contiguous data samples as depicted by the color coding of each trip line. Seperate areas of interest can be generated through merging of multiple trips, appending data to a single sonar log or lapses in time (greater than five minutes) within a sonar log.

BVp

Biovolume (Plant): Refers to the percentage of the water column taken up by vegetation when vegetation exists. Areas that do not have any vegetation are not taken into consideration for this calculation.

BVw

Biovolume (All water): Refers to the average percentage of the water column taken up by vegetation regardless of whether vegetation exists. In areas where no vegetation exists, a zero value is entered into the calculation, thus reducing the overall biovolume of the entire area covered by the survey.

PAC

Percent Area Covered: Refers to the overall surface area that has vegetation growing.

Grid

Geostatistical Interpolated Grid: Interpolated and evenly spaced values representing kriged (smoothed) output of aggregated data points. The gridded data is most accurate summary of individual survey areas.

Point

Individual Coordinate Point: A single point represents a summary of sonar pings and the derived bottom and canopy depths. Individual point data create an irregularly spaced dataset that may have overlaps and/or gaps in the data resulting in a increased potential for error.

Offsets

Trip Name	Trip Date (UTC)	Manual Offset (ft)	Tide Station Name	Avg Tide (ft)	Min Tide (ft)	Max Tide (ft)	Start Tide (ft)	End Tide (ft)
Sonar_2022-08-15_1 ...	2022 August 15 - 15:08	0.750	NA	NA	NA	NA	NA	NA
Sonar_2022-08-15_0 ...	2022 August 15 - 14:56	0.750	NA	NA	NA	NA	NA	NA
Sonar_2022-08-15_1 ...	2022 August 15 - 14:15	0.750	NA	NA	NA	NA	NA	NA
Sonar_2022-08-15_0 ...	2022 August 15 - 13:58	0.750	NA	NA	NA	NA	NA	NA
Sonar_2022-08-15_0 ...	2022 August 15 - 13:16	0.750	NA	NA	NA	NA	NA	NA

Report URL: <https://noxreportprod.s3.amazonaws.com/8dabdc54-9eae-4950-a109-d9531017caec/Report.html> (<https://noxreportprod.s3.amazonaws.com/8dabdc54-9eae-4950-a109-d9531017caec/Report.html>)

Navico, Inc. is not liable to you for any indirect, exemplary, consequential, incidental or punitive damages, including lost profits, related to use of this report even if Navico, Inc. has been advised of the possibility of such damages. The gathering party shall be solely responsible for their own user uploads, manual data point inserts, ancillary research data, and submissions and the consequences of posting or publishing them. This report has been created for research purposes only. Not for commercial use or resale.