

REPORT OF SURVEY

Project Title: 2023 Post Storm Longboat Key Beach Monitoring
Hyatt Project No.: 17-2096-10
County: Sarasota/Manatee

Prepared By: Steven Long

Address: Hyatt Survey Services, Inc.
2012 Lena Road
Bradenton, Florida 34211
Phone No.: (941) 748-4693
Licensed Business No. 7203

Requesting Agency: Olsen Associates
Point-of-Contact: Al Browder
Address: 2618 Herschel St.
Jacksonville, FL 32204

Technical Requirements: Florida Administrative Code 5J-17

INTRODUCTION

Purpose: To obtain topographic and hydrographic survey data in Sarasota/Manatee County for beach monitoring.

Survey Type: Topographic Hydrographic

Horizontal Datum: NAD 83(2011) - Florida West

Vertical Datum: NAVD 1988

Geoid: 2012B

Units: US Survey Feet

CONTROL

Source: NGS OPUS (Shared Solution)

Other (Specify Source): NGS

Designation	Northing	Easting	Elevation	ΔN	ΔE	ΔZ	Notes
GIS 086	1111541.25	448059.64	5.04				NGS/OPUS
IRF ARC 1	1108327.71	449325.55	7.80				OPUS/ BENCH RUN
A TIDAL	1092602.5	464244.21	4.05				NGS
Y 689	1105807.43	451165.26	3.89				OPUS/ NGS
GIS 106	1132620.97	432524.82	4.15				OPUS/ NGS
13-84-B09	1125597.92	435921.92	3.35				OPUS/ BENCH RUN
13-84-B12	1120163.25	441964.24	7.63				OPUS/ BENCH RUN

Site Calibration:

No

SURVEY EQUIPMENT**Land Survey**

RTK GPS:

Trimble R8, R10

Total Station:

Data Collector:

TSC3

Digital Level:

Alternative

Transportation:

Survey Vessel:

Motion:

Positioning:

Sonar:

Sound Velocity:

Tide Corrections:

Echosounder:

Hydrographic Survey

Miss Emily

Applanix POS M/V Surfmaster

Applanix POS M/V Surfmaster

Odom Dual Frequency OTSBB200

AML BaseX2

RTK GPS

Teledyne Echotrac E20

SOFTWARE

Land Survey Data Processing:

Drafting:

Bathymetric Data Processing:

Side Scan Data Processing:

Trimble Business Center

AutoCAD Civil 3D 2023

Hyack 2023

Survey Date(s):

9/19/2023-10/10/2023

Field Book(s):

FB 510/ HYPACK

NARRATIVE

Comments:

Survey was completed post hurricane Idalia

Delays:

No significant delays to report.

Rights of Entry:

General rights of entry were granted under FL Statute Title XXXII, Ch. 472.029.

Project Issues:

N/A

Files Submitted:

FDEP Monument Information Report (XLS); Individual XYZ's of each R-monument profile (XYZ);
Map showing survey data (CAD & PDF)

Appendix:

N/A

Certification:

This is to certify that this report and survey have been performed in accordance with the Standards of Practice as set forth by the Florida Board of Surveyors and Mappers per Florida Administrative Code 5J-17 and USACE project requirements. The map associated with this report is by reference made a part hereof and the map is not valid without this report and vice versa.

Signed:

Russell P. Hyatt, P.S.M. No. 5303

Date:

