

W00556

U.S. Department of Commerce
National Oceanic and Atmospheric Administration
National Ocean Service

DESCRIPTIVE REPORT

Type of Survey: Basic Hydrographic Survey

Registry Number: W00556

LOCALITY

State(s): Florida

General Locality: Florida Intracoastal Waterway

Sub-locality: Vero Beach

2014

CHIEF OF PARTY
John R. Morgan, II, PLS

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

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INSTRUCTIONS: The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

State(s): **Florida**

General Locality: **Florida Intracoastal Waterway**

Sub-Locality: **Vero Beach**

Scale: **20000**

Dates of Survey: **11/21/2013 to 03/16/2014**

Instructions Dated: **N/A**

Project Number: **ESD-AHB-21**

Field Unit: **Florida Inland Navigation District**

Chief of Party: **John R. Morgan, II, PLS**

Soundings by: **Teledyne Odom Hydrographic MB1 (MBES)**

Imagery by: **N/A**

Verification by: **Atlantic Hydrographic Branch**

Soundings Acquired in: **meters at Mean Lower Low Water**

Remarks:

Any revisions to the Descriptive Report (DR) applied during office processing are shown in red italic text. The DR is maintained as a field unit product, therefore all information and recommendations within this report are considered preliminary unless otherwise noted. The final disposition of survey data is represented in the NOAA nautical chart products. All pertinent records for this survey are archived at the National Centers for Environmental Information (NCEI) and can be retrieved via <https://www.ncei.noaa.gov/>. Products created during office processing were generated in NAD83 UTM 17N, MLLW. All references to other horizontal or vertical datums in this report are applicable to the processed hydrographic data provided by the field unit.

DESCRIPTIVE REPORT MEMO

March 26, 2021

MEMORANDUM FOR: Atlantic Hydrographic Branch

FROM: Report prepared by AHB on behalf of field unit
Morgan & Eklund, Inc.
Professional Land Surveyors, for Florida Inland Navigation District

SUBJECT: Submission of Survey W00556

This dataset was provided by the Florida Inland Navigation District and represents depths of the Atlantic Intracoastal Waterway in the vicinity of Vero Beach, FL.

Survey products were provided to the hydrographic branch, where additional reformatting and quality control was performed.

All soundings were reduced to Mean Lower Low Water using VDatum. The horizontal datum for this project is North American Datum of 1983 (NAD 83). The projection used for this project is Universal Transverse Mercator (UTM) Zone 17.

Ellipsoid heights were collected with a Real-Time-Kinematic (RTK) positioning system.

All data were reviewed for DTONs and none were identified in this survey.

Florida Inland Navigation District acquired the data outlined in this report. Additional documentation from the data provider may be attached to this report.

A significant finding in this survey is the disproval of charted inter-tidal zone depths encroaching the Atlantic Intracoastal Waterway channel limits in the vicinity of 27.6453294°N, 080.3718555°W. Multiple coverage holidays exist throughout the product. However, this survey is a significant source of contemporary bathymetry in this area.

This survey does meet charting specifications and is adequate to supersede prior data.

APPROVAL PAGE

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Data meet or exceed current specifications as certified by the OCS survey acceptance review process. Descriptive Report and survey data except where noted are adequate to supersede prior surveys and nautical charts in the common area.

The following products will be sent to NCEI for archive

- Descriptive Report
- Collection of Bathymetric Attributed Grids (BAGs)
- Geospatial PDF of survey products

The survey evaluation and verification have been conducted according to current OCS specifications, and the survey has been approved for dissemination and usage of updating NOAA's suite of nautical charts.

Approved: _____

Commander Meghan McGovern, NOAA
Chief, Atlantic Hydrographic Branch