

**W00619**

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

**DESCRIPTIVE REPORT**

Type of Survey: Navigable Area

Registry Number: W00619

**LOCALITY**

State(s): Florida

General Locality: Florida Keys

Sub-locality: Looe Key

**2018**

CHIEF OF PARTY  
Jake J. Fredericks

LIBRARY & ARCHIVES

Date:

**HYDROGRAPHIC TITLE SHEET**

**W00619**

**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 Keys**

Sub-Locality: **Looe Key**

Scale: **40000**

Dates of Survey: **12/14/2017 to 03/11/2018**

Instructions Dated: **07/25/2022**

Project Number: **ESD-PHB-22**

Field Unit: **US Geological Survey**

Chief of Party: **Jake J. Fredericks**

Soundings by: **Teledyne RESON SeaBat T50-P (MBES)**

Imagery by: **N/A**

Verification by: **Pacific 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

July 25, 2022

**MEMORANDUM FOR:** Pacific Hydrographic Branch

**FROM:** Report prepared by PHB on behalf of field unit  
Jake J. Fredericks  
Chief of Party, United States Geological Survey

**SUBJECT:** Submission of Survey W00619

The U.S. Geological Survey St. Petersburg Coastal and Marine Science Center (USGS SPCMSC), collected multibeam bathymetry data at Looe Key in the Florida Keys during 3 separate survey legs, December 2017, February 2018 and March 2018, as a part of the Ecosystem Processes Impacting Coastal Change project (EPIC) in an effort to assess sediment accumulation within the survey area. This USGS data release includes the resulting processed elevation point data (xyz) in the native format of the World Geodetic System of 1984 (WGS84). Data were collected under Florida Keys National Marine Sanctuary permit FKNMS-2016-068.

A 1-meter grid was created for data archival and charting purposes.

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.

All survey systems and methods utilized during this survey were as described in "[https://coastal.er.usgs.gov/data-release/doi-P9P2V7L0/data/Looe\\_Key\\_2017\\_2018\\_MBB\\_xyz\\_metadata.xml](https://coastal.er.usgs.gov/data-release/doi-P9P2V7L0/data/Looe_Key_2017_2018_MBB_xyz_metadata.xml)"

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

United States Geological Survey acquired the data outlined in this report. Data are available at [https://coastal.er.usgs.gov/data-release/doi-P9P2V7L0/data/Looe\\_Key\\_2017\\_2018\\_MBB\\_xyz\\_metadata.xml](https://coastal.er.usgs.gov/data-release/doi-P9P2V7L0/data/Looe_Key_2017_2018_MBB_xyz_metadata.xml). Additional documentation from the data provider may be attached to this report.

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