

W00636

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

DESCRIPTIVE REPORT

Type of Survey: Basic Hydrographic Survey

Registry Number: W00636

LOCALITY

State(s): Florida

General Locality: Southwest Florida

Sub-locality: Tampa Bay

2004

CHIEF OF PARTY
Mark Hansen

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

W00636

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: **Southwest Florida**

Sub-Locality: **Tampa Bay**

Scale: **20000**

Dates of Survey: **01/01/2001 to 12/31/2004**

Instructions Dated: **11/08/2022**

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

Field Unit: **US Geological Survey**

Chief of Party: **Mark Hansen**

Soundings by: **Unknown Unknown (SBES)**

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

November 28, 2022

MEMORANDUM FOR: Pacific Hydrographic Branch

FROM: Report prepared by PHB on behalf of field unit
Mark Hansen
Oceanographer, U.S. Geological Survey

SUBJECT: Submission of Survey W00636

High resolution seafloor mapping was conducted in Tampa Bay between 2001 and 2004 as part of the USGS CMGP Tampa Bay Study. A major focus of the Tampa Bay Study was to investigate sediments and their associated contaminants, and to develop a bay wide circulation model to determine the routes of sediment transport. Before models could be accurately applied, updated seafloor elevation mapping data was needed for the entire bay. Baseline maps provide the physical context, background and baseline information for other project research, monitoring, and modeling activities. Seafloor elevation mapping provides critical information for development of circulation, hydrologic, sediment transport, water quality, and urbanization integrated modeling.

Geographic information system data products include XYZ data, bathymetric contours, and USGS quadrangle map.

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.

Upon data ingestion at the Processing Branch, the NOAA's VDatum v4.4.2 was used to transform the data points (XYZ data) from World Geodetic System of 1984 (WGS84) datum to North American Datum of 1983 (NAD83) reference frame and MLLW. The XYZ file was then gridded into a 4-meter surface using CARIS Base Editor 5.5.

The report does not include data acquisition and processing information.

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

U.S. Geological Survey acquired the data outlined in this report. Data are available at <https://doi.org/10.3133/ds1031>. Additional documentation from the data provider may be attached to this report.

The survey is partially adequate to supersede previous data. This survey does not meet feature detection standards, therefore is not adequate to update or disprove charted features.