

W00615

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

DESCRIPTIVE REPORT

Type of Survey: Basic Hydrographic Survey

Registry Number: W00615

LOCALITY

State(s): Florida

General Locality: Apalachicola Bay

Sub-locality: Apalachicola Bay

2006

CHIEF OF PARTY
Brian Andrews

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

W00615

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: **Apalachicola Bay**

Sub-Locality: **Apalachicola Bay**

Scale: **20000**

Dates of Survey: **03/14/2005 to 06/27/2006**

Instructions Dated: **02/22/2023**

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

Field Unit: **US Geological Survey**

Chief of Party: **Brian Andrews**

Soundings by: **SEA Submetrix 2000 (Interferometric)**

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 16N, 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

February 22, 2023

MEMORANDUM FOR: Pacific Hydrographic Branch

FROM: Report prepared by PHB on behalf of field unit
Brian Andrews
Geographer, US Geological Survey

SUBJECT: Submission of Survey W00615

During two research cruises, conducted in 2005 and 2006, approximately 230 km² of Apalachicola Bay was surveyed using interferometric-bathymetry. The research was conducted as part of a cooperative program between the U.S. Geological Survey (USGS), the National Oceanic and Atmospheric Administration (NOAA) Coastal Services Center (CSC), and the Apalachicola Bay National Estuarine Research Reserve. The Apalachicola Bay National Estuarine Research Reserve was established in 1979 to provide opportunities for long-term monitoring and research to provide a basis for more informed coastal management decisions for this estuary.

Geographic Information system data products include XYZ data and a 2m bathymetric model of Apalachicola Bay.

The vertical datum for this project is Mean Lower Low Water. 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 16.

The GPS-RTK vertical was calibrated to MLLW using the Apalachicola River Station ID 8728690. Upon data ingestion at the processing branch, the original grid was projected from WGS84 to NAD83 UTM16 using ArcGIS Pro, then imported to a csar file using CARIS Base Editor. See the appended metadata file for further information regarding the vertical data transformation.

The report does not include data acquisition and processing information.

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

US Geological Survey acquired the data outlined in this report. Data are available at <https://pubs.usgs.gov/of/2006/1381/>. Additional documentation from the data provider may be attached to this report.

The survey is partially adequate to supersede previous data. The survey is not full coverage and does not meet feature detection requirements, therefore it is not adequate to update or disprove charted features.