

**W00606**

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

**DESCRIPTIVE REPORT**

Type of Survey: Basic Hydrographic Survey

Registry Number: W00606

**LOCALITY**

State(s): Florida

General Locality: South Florida

Sub-locality: Loxahatchee River

**2003**

CHIEF OF PARTY  
Mark Hansen

LIBRARY & ARCHIVES

Date:

**HYDROGRAPHIC TITLE SHEET**

**W00606**

**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: **South Florida**

Sub-Locality: **Loxahatchee River**

Scale: **20000**

Dates of Survey: **01/01/2003 to 12/31/2003**

Instructions Dated: **N/A**

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

March 16, 2023

**MEMORANDUM FOR:** Pacific Hydrographic Branch

**FROM:** Report prepared by PHB on behalf of field unit  
Mark Hansen  
Oceanographer, US Geological Survey

**SUBJECT:** Submission of Survey W00606

This data series is a compilation of a mapping project conducted in south Florida in 2003. Data were collected with a single beam sound navigation and ranging (sonar) system called SANDS (Hansen and DeWitt, 2000) developed by the U.S. Geological Survey (USGS) in 1993.

XYZ bathymetry data was available in csv and shapefile format. Upon data ingestion at the processing branch, the original grid was projected from WGS84 to NAD83 UTM17, then imported to a csar file using CARIS Base Editor.

All soundings were reduced to Mean Lower Low Water using Discrete Zoning. 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.

Datum values from four NOAA tide stations in the area of the survey were used to apply static vertical shifts from NAVD88 to MLLW.

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://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. The survey is not full coverage and does not meet feature detection requirements, therefore it is not adequate to update or disprove charted features.