

W00393

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

DESCRIPTIVE REPORT

Type of Survey: Navigable Area

Registry Number: W00393

LOCALITY

State(s): Florida

General Locality: Coastal Florida

Sub-locality: Lauderdale by the Sea, FL to Hollywood Beach

2008

CHIEF OF PARTY
Dr. Thomas Carsey

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

W00393

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: **Coastal Florida**

Sub-Locality: **Lauderdale by the Sea, FL to Hollywood Beach**

Scale: **80000**

Dates of Survey: **02/11/2008 to 02/16/2008**

Instructions Dated: **N/A**

Project Number: **OSD-PHB-17**

Field Unit: **NOAA Ship *Nancy Foster***

Chief of Party: **Dr. Thomas Carsey**

Soundings by: **Kongsberg Maritime EM 1002 (MBES)**

Imagery by: **Kongsberg Maritime Echotrac MKIII (MBES Backscatter)**

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

August 31, 2023

MEMORANDUM FOR: Pacific Hydrographic Branch

FROM: Report prepared by PHB on behalf of field unit
Dr. Thomas Carsey
Chief Scientist, NOAA Atlantic Oceanographic and Meteorological
Laboratory

SUBJECT: Submission of Survey W00393

The primary objectives of the FACE 07 (Florida Area Coastal Environment) Cruise are to 1) locate and characterize the chemical and physical oceanographic characteristics of Gulf Stream eddies and their effect on coastal ecosystems; 2) obtain samples for ^{15}N and ^{13}C studies of anthropogenic effects on coastal waters; 3) obtain high-resolution bathymetry data on specific problem areas off S. Florida; and 4) characterize the boil and plume, and ambient currents from the six treated-water ocean outfalls off of southeastern Florida using advanced instrumentation. The ocean outfalls include Delray Beach, Boca Raton, Hollywood, Broward, Miami North, and Miami Central.

The FACE program is a multi-year partnership of NOAA/AOML and other federal agencies, state and county ecosystem management agencies, county governments, municipal water and sewer authorities, and public environmentally concerned citizen groups. The FACE project originated as a NOAA response to the needs of government agencies and water and sewer authorities in south Florida that were challenged by ecosystem management problems. These groups are interested in NOAA's capabilities that might assist them in ecosystem management problems. The science effort for the cruise represents interests from a wide range of interested parties from NOAA, the University of Miami, and various state and water-treatment organizations.

There were no products created for this survey.

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.

Verified tides were applied to the data where possible.

This report does not include data acquisition and processing information.

There were no DTONs created for this survey.

NOAA Ship Nancy Foster acquired the data outlined in this report. Data are available at https://www.ngdc.noaa.gov/ships/nancy_foster/NF-08-03-FACE_mb.html. Additional documentation from the data provider may be attached to this report.

The survey is partially adequate to supersede previous data.