W00569

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

DESCRIPTIVE REPORT

Type of Survey:	Habitat Mapping
Registry Number:	W00569

LOCALITY

State(s):	Texas
General Locality:	Western Gulf of Mexico
Sub-locality:	50NM East of Brownsville

2012

CHIEF OF PARTY
Thomas Shirley

LIBRARY & ARCHIVES

Date:

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

REGISTRY NUMBER:

HYDROGRAPHIC TITLE SHEET

W00569

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):	**Texas**
General Locality:	**Western Gulf of Mexico**
Sub-Locality:	**50NM East of Brownsville**
Scale:	**20000**
Dates of Survey:	**09/17/2012 to 09/29/2012**
Instructions Dated:	**N/A**
Project Number:	**ESD-PHB-21**
Field Unit:	**Texas A&M University**
Chief of Party:	**Thomas Shirley**
Soundings by:	**N/A**
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 WGS84 UTM 14N, 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 12, 2021

MEMORANDUM FOR: Pacific Hydrographic Branch

FROM: Report prepared by PHB on behalf of field unit
Thomas Shirley
Professor Emeritus of Marine Biology, Texas A&M University

SUBJECT: Submission of Survey W00569

Data were originally collected to study coralgal reef morphology in the Gulf of Mexico. Data were collected aboard R/V Falkor.

Original survey rasters were created by the scientific party.

The vertical datum for this project is Mean Lower Low Water. The horizontal datum for this project is World Geodetic System (WGS) 1984. The projection used for this project is Universal Transverse Mercator (UTM) Zone 14.

Upon data review it was determined that the soundings were delivered to MLLW but the exact vertical data correction method was not indicated by the data provider. The horizontal datum for this project is WGS84. The projection used for this project is Universal Transverse Mercator (UTM) zone 14N.

Bathymetric data was collected using a Kongsberg EM710. GNSS data was collected with a C&C C-Nav 3050. Sound speed data was collected using a Sea-Bird SBE-911+ and a Valeport MiniSVS. Data collection and processing procedures were not documented by the data provider.

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

Texas A&M University acquired the data outlined in this report. Data are available at https://www.ngdc.noaa.gov/ships/falkor/FK005B_mb.html. 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.

APPROVAL PAGE

W00569

The survey data meet or exceed the current requirements of the Office of Coast Survey hydrographic data review process and may be used to update NOAA products. The following survey products will be archived at the National Centers for Environmental Information:

- Descriptive Report
- Collection of Bathymetric Attributed Grids (BAGs)
- Geospatial PDF of survey products

Approved: 

James Miller
Acting Chief, Pacific Hydrographic Branch