

W00609

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

DESCRIPTIVE REPORT

Type of Survey: Habitat Mapping

Registry Number: W00609

LOCALITY

State(s): Florida

General Locality: Gulf of Mexico

Sub-locality: 30NM South of Cape San Blas

2001

CHIEF OF PARTY
Peter Dartnell

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Date:

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		REGISTRY NUMBER:
HYDROGRAPHIC TITLE SHEET		W00609
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:	Gulf of Mexico	
Sub-Locality:	30NM South of Cape San Blas	
Scale:	175000	
Dates of Survey:	09/03/2001 to 10/12/2001	
Instructions Dated:	N/A	
Project Number:	ESD-PHB-22	
Field Unit:	US Geological Survey	
Chief of Party:	Peter Dartnell	
Soundings by:	Kongsberg Maritime EM 1002 (MBES)	
Imagery by:	N/A	
Verification by:	Pacific Hydrographic Branch	
Soundings Acquired in:	meters at Mean Lower Low Water	
Remarks: <i>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.</i>		

DESCRIPTIVE REPORT MEMO

August 16, 2022

MEMORANDUM FOR: Pacific Hydrographic Branch

FROM: Report prepared by PHB on behalf of field unit
Peter Dartnell
Chief of Party, US Geological Survey

SUBJECT: Submission of Survey W00609

The objective of this survey was to map the region between the 50 to 150-m isobaths south from the eastern edge of De Soto Canyon as far as Steamboat Lumps using a state-of-the-art multibeam mapping system (MBES). The cruise used a Kongsberg Simrad EM1002 MBES. The EM1002 produces both geodetically accurate georeferenced bathymetry and coregistered, calibrated, acoustic backscatter.

Three 8-meter MBES grids and one 4-meter MBES grid were provided to the Pacific Hydrographic Branch via the External Source Data Team.

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 16.

Four Arc Info surfaces were downloaded from the USGS link. Surfaces were reprojected from WGS84 to NAD83 UTM16 in ArcGIS Pro and then exported to geotiffs. The ArcGIS pixel editor tool was then used to remove small sections of fliers from two of the surfaces (2of4 and 3of4). Each geotiff was then exported to csar surface files using CARIS Base Editor. These csar files were visually inspected for signs of interpolation and none were found. The originally submitted surfaces which included significant artifacts were derived from XYZ data provided by USGS. The surfaces derived from the Arc INFO surfaces they provided do not include any of these artifacts.

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/2002/0005/>. Additional documentation from the data provider may be attached to this report.

The survey is partially adequate to supersede previous data.