

W00616

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

DESCRIPTIVE REPORT

Type of Survey: Navigable Area

Registry Number: W00616

LOCALITY

State(s): Louisiana

General Locality: Calcasieu Pass

Sub-locality: Turning Basin

2021

CHIEF OF PARTY
Ken Kusano

LIBRARY & ARCHIVES

Date:

HYDROGRAPHIC TITLE SHEET

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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): **Louisiana**

General Locality: **Calcasieu Pass**

Sub-Locality: **Turning Basin**

Scale: **25000**

Dates of Survey: **10/21/2021 to 10/21/2021**

Instructions Dated: **N/A**

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

Field Unit: **Venture Global LNG**

Chief of Party: **Ken Kusano**

Soundings by: **Teledyne Odom Hydrographic OTSBB200/24-4/20 (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 15N, 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 07, 2022

MEMORANDUM FOR: Pacific Hydrographic Branch

FROM: Report prepared by PHB on behalf of field unit
Ken Kusano
Vice President, Marine Engineering, Venture Global LNG

SUBJECT: Submission of Survey W00616

The survey was a post-dredge, as-built survey of a turning basin adjacent to the Calcasieu River Ship Channel.

Survey products were generated by the hydrographic branch.

All soundings were reduced to Mean Lower Low Water using VDatum. 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 15.

VDatum was used to horizontally transform the source data from U.S. State Plane Louisiana South (U.S. survey feet) to NAD83 UTM 15N, and to vertically transform the depths from NAVD88 to MLLW.

Data were acquired using a Teledyne Odom Hydrographic OTSBB200/24-4/20 single beam echosounder integrated with RTK. Processing information is not included in this report.

One anti-DTON was submitted to NOAA Marine Chart Division to remove a disproved sounding from the ENC.

Venture Global LNG acquired the data outlined in this report. Additional documentation from the data provider may be attached to this report.

Due to dredging, the survey data shows depth differences within the turning basin when compared to a survey acquired one year prior.

The survey is partially adequate to supersede previous data. It is recommended to update the charted bathymetry using the survey data. Charted features were not addressed by this survey and should be retained as charted.

APPROVAL PAGE

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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

Chief, Pacific Hydrographic Branch