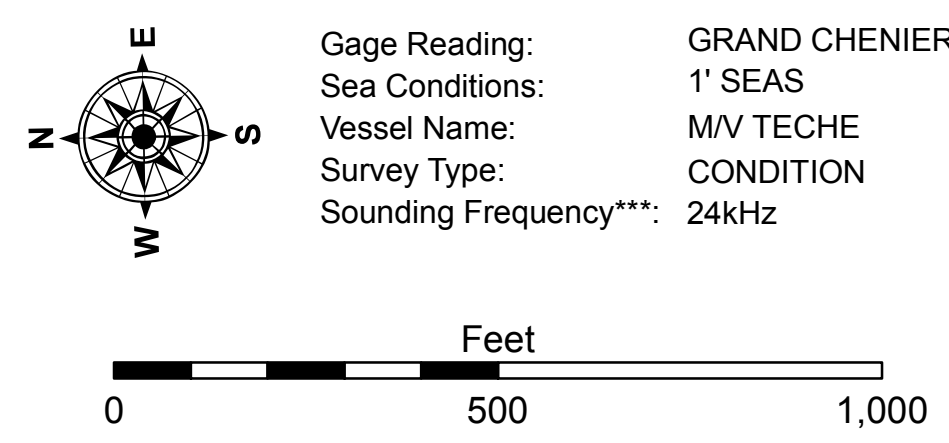


| LEGEND | | | |
|----------------------------------|---------------------|-------------------------|------------------|
| --- Federal Navigation Channel | ○ Cable Area | □ Borrow Area | |
| — Federal Navigation Center Line | ■ Placement Area | ● Shoalest Sounding** | |
| — As-built Pipeline/Cable | □ Anchorage Area | ★ Beacon, General | ■ -15' and above |
| Unconfirmed Pipeline/Cable | ⊗ Obstruction Point | ◆ Red Navigation Buoy | □ -15' and below |
| — Project Depth Contour | ⚓ Wrecks-Submerged | ◆ Green Navigation Buoy | |



Gage Reading: GRAND CHENIER 3.4 mlg
 Sea Conditions: 1' SEAS
 Vessel Name: M/V TECHE
 Survey Type: CONDITION
 Sounding Frequency***: 24kHz

NOTES:
 Horizontal Coordinate System:
 North American Datum of 1983 (NAD83), projected to the State Plane
 Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet.
 Vertical Datum:
 Soundings are shown in feet and indicate depths below Mean Low Gulf Datum (MLG).
 The location of navigation aids are base on and provided by the U.S. Coast Guard.
 2015 Aerial Photography data source: NAIP.
 Reference is N.O.A. Navigation Chart No. 11344 and 11348.
 ** Shoalest Sounding per Quarter per Reach.
 *** High frequency (200 kHz) survey data represents the first signal return at a sounding
 location and will include suspended solids, known as "fluff", if present. Low frequency (20 kHz)
 survey data normally penetrates through this "fluff" layer to depict elevations of consolidated bottom
 material. Low frequency accuracies may vary depending on channel conditions and fathometer
 settings.



DISCLAIMER
 Distribution Liability: The data represents the results of data collection for a specific US Army Corps of Engineers project. It is only valid for its intended use, control, time and accuracy specifications. The user is responsible for the results of the data. The application of the data for other than its intended purpose is at the user's risk.
 Data Constants: Hydrographic survey data is subject to change due to several factors including but not limited to: changing bathymetry, shifting sandbars, and changes in channel conditions. The user is responsible for the results of the data. The application of the data for other than its intended purpose is at the user's risk.
 The information depicted on this map represents the results of a survey conducted on the date shown. It is not intended to represent the general condition existing at that time.

| | | |
|--|--------------------------------------|-------------------|
| U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT | | |
| Submitted: | Surveyed By: JA, JH | Plotted By: AO |
| Recommended: | Chief, Survey Section | Checked By: AO |
| Approved: | Chief, Waterways Maintenance Section | |

**MERMENTAU RIVER
 BAR CHANNEL
 MM_01_BAR_20170902_CS_POSTSTORM
 02 September 2017**

**Sheet
 Reference
 Number
 1 of 25**