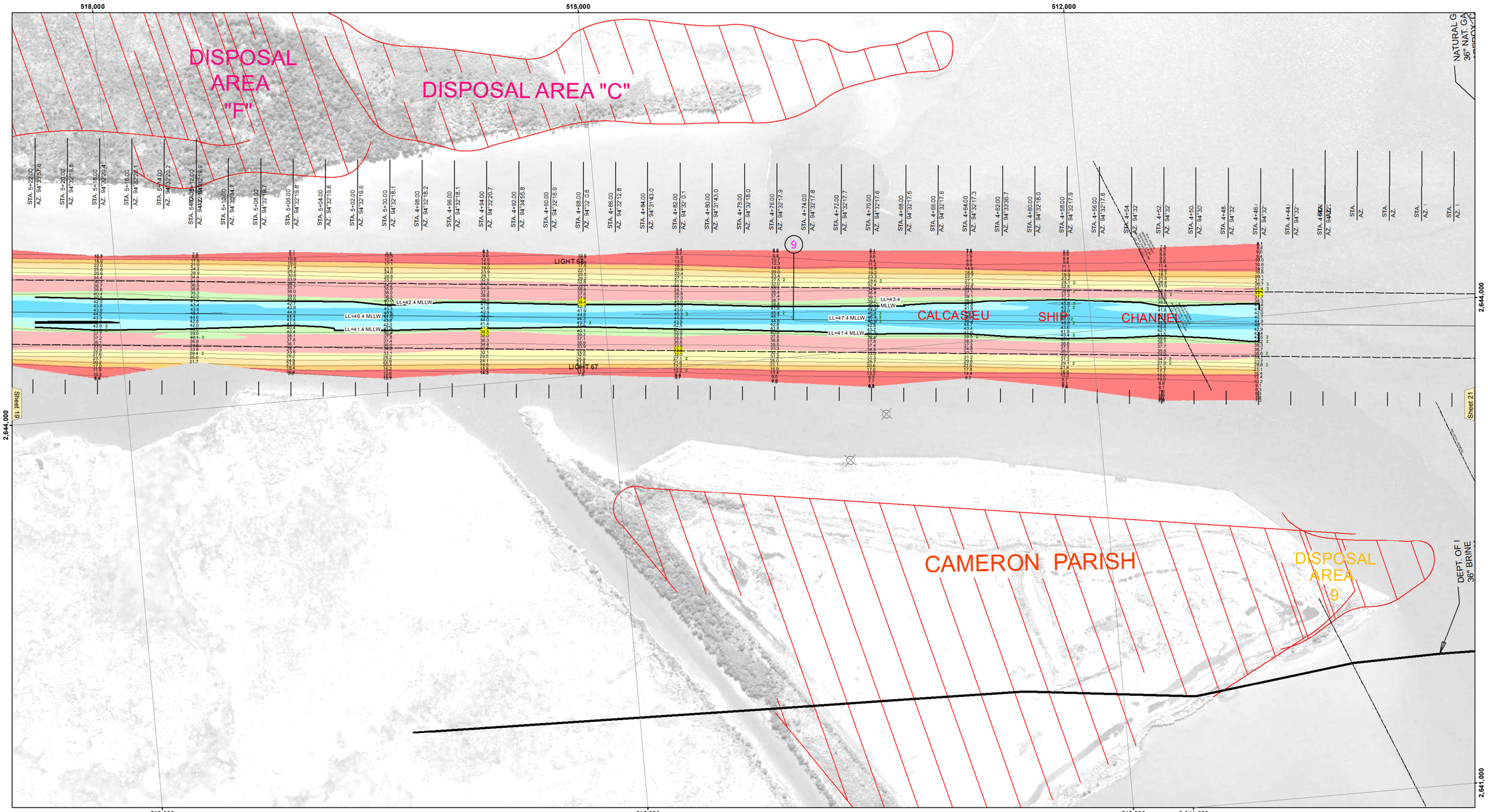


US Army Corps of Engineers District: CEMVN

DISCLAIMER

Access Constraints: The United States Government furnishes this data and has no liability to any person or entity that chooses to use it. Any person or entity that chooses to use any information and the data furnished. The United States shall be held harmless from any liability resulting from such use, regardless of any modification made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than Government data. The recipient also agrees to not sell or offer these data to others without also transferring this Disclaimer.

Distribution Liability: The data represents the results of data collection and processing efforts at the time of survey activity and indicates the general existing conditions. As such, it is only valid for its intended use; content, time and accuracy may not be appropriate for applications not anticipated at the time of the application of the data for other than its intended purpose.

Data Constraints: Hydrographic survey data is subject to change due to environmental processes occurring between survey activity and natural shoaling and scouring processes. The U. S. Army Corps of Engineers makes no warranty as to the accuracy in the hydrographic conditions which develop after the date of publication. This data is intended for U. S. Army Corps of Engineers internal use. Project maintained dredged depths apply to space.

U.S. ARMY CORPRS OF ENGINEERS
NEW ORLEANS DISTRICT

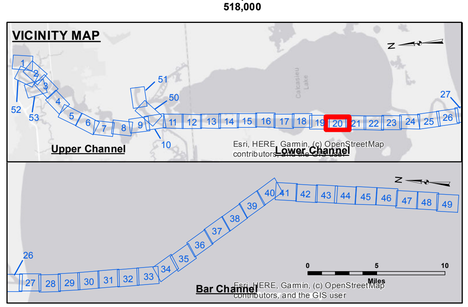
Surveyed By: SP,PM	
Plotted By: BD	
Checked By: AO	
Submitted:	
Recommended: Chief, Survey Section	
Approved: Chief, Waterways Maintenance Section	

CALCASIEU SHIP CHANNEL
LOWER SHEET 20
CR_20_LWR_20210303_CS
03 March 2021

Sheet Reference Number
20 **of** 53

Revison Number:
4.1-20191105

VICINITY MAP



LEGEND

- Federal Navigation Channel
- Federal Navigation Center Line
- As-built Pipeline/Cable
- Unconfirmed Pipeline/Cable
- Project Depth Contour
- Cable Area
- Placement Area
- Anchorage Area
- Obstruction Point
- Wrecks-Submerged
- 3 Fluff Thickness (feet)*
- Shoalest Sounding**
- Beacon, General
- Red Navigation Buoy
- Green Navigation Buoy
- -16' and above
- -16' to -21'
- -21' to -26'
- -26' to -33'
- -33' to -39'
- -39' to -41'
- -41' to -43'
- -43' and below

Gage Reading:	DM 72 VRS RTK: 1.56 MLG AVG.
Sea Conditions:	CALM
Vessel Name:	OB-167
Survey Type:	CONDITION
Sounding Frequency***:	LOW

Feet
0 400 800 1,200 1,600

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 Lower Low Water Datum (MLLW). Datum Relationships for gage 73615 as of December 2013:
0.0' NAVD88 (2009.55) = 1.1' MLLW = 2.1' MLG or 0.0' MLLW = 1.0' MLG

Distances on the Calcasieu River are shown at 1 mile intervals.

The location of navigation aids are base on and provided by the U.S. Coast Guard and USACE survey crews.

2015 Aerial Photography data source: NAIP

Reference is N.O.A.A. Navigation Chart No. 11339.

* Difference between high and low frequency elevations where greater than 1.0'.

** 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.