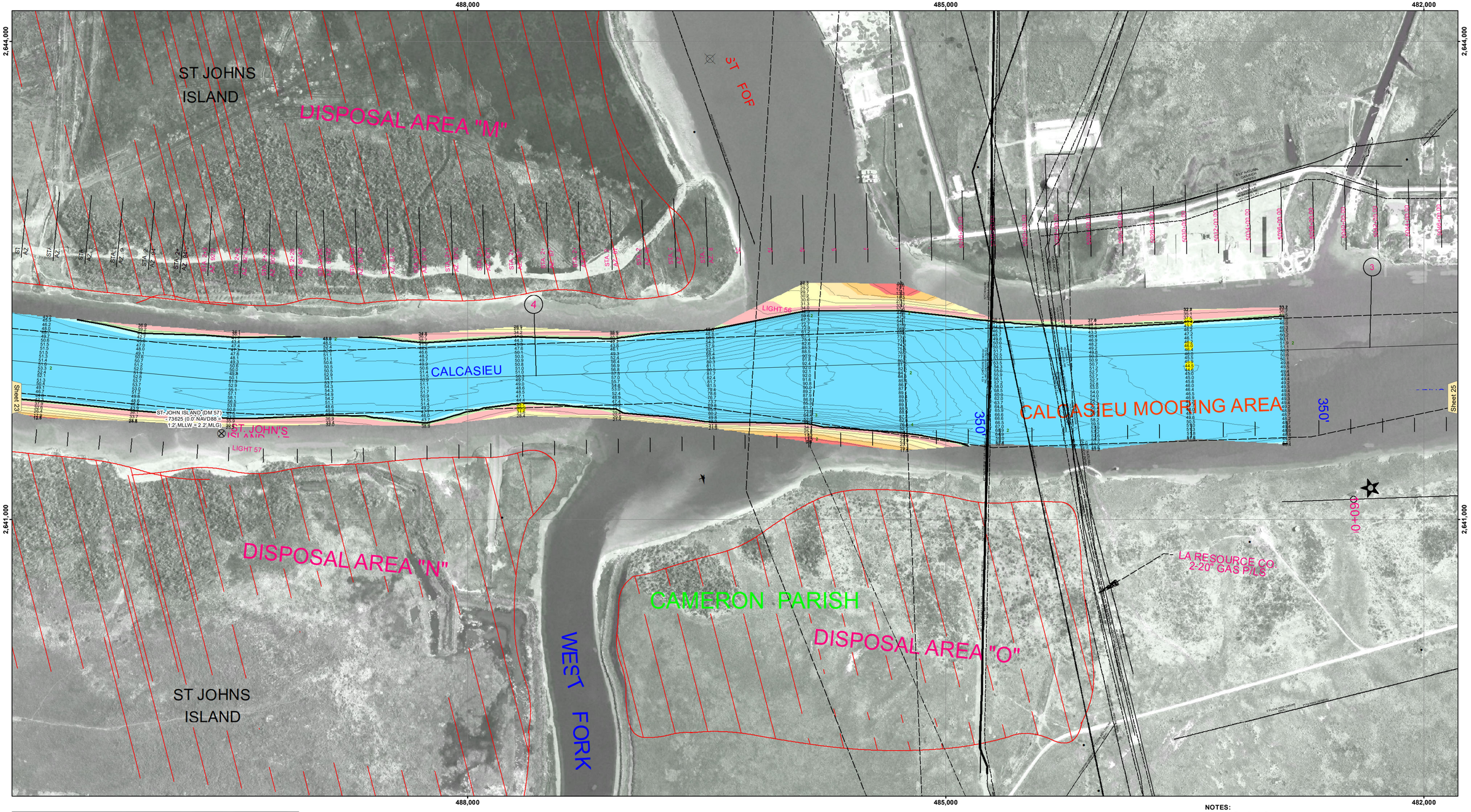


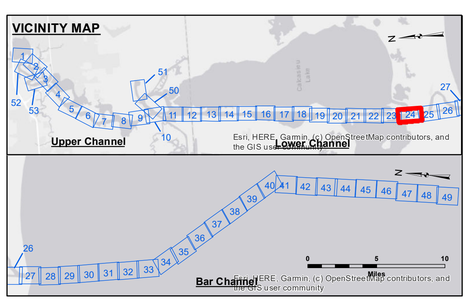


**LEGEND**

- 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 57 VRS RTK: 1.40 MLLW AVG |
| Sea Conditions: | CHOPPY |
| Vessel Name: | MV TECHE |
| 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 73625 as of December 2013:
0.0' NAVD88 (2009.55) = 1.2' MLLW = 2.2' 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.

2022 Aerial Photography data source: PAR LLC

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.

US Army Corps of Engineers
District: CEMVN

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Data Constraints: Hydrographic survey data is subject to change due to natural and man-made influences. Contact the Corps of Engineers activity and natural shoaling and scouring processes. The U. S. Coast Guard is responsible for the placement and maintenance of aids in the hydrographical conditions which develop after the date of publication. This data is intended for U. S. Army Corps of Engineers internal use. Present revisions should not be relied upon.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

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Chief, Survey Section

Approved: Checked By: JH

Chief, Waterways Maintenance Section

**CALCASIEU SHIP CHANNEL**
**LOWER SHEET 24**
**CR_24_LWR_20231130_CS**
**30 November 2023**

**Sheet Reference Number**
24 of 53

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