

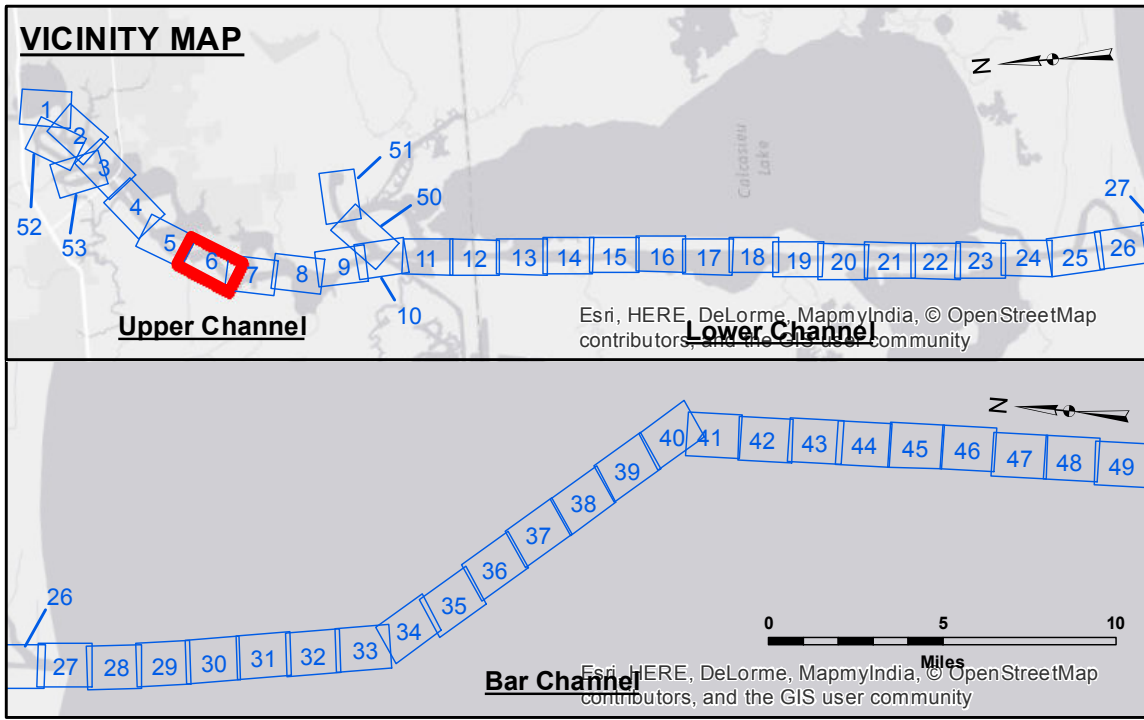
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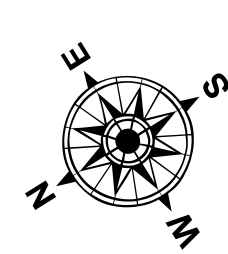
|            |                                      |                |                |
|------------|--------------------------------------|----------------|----------------|
| Submitted: | Surveyed By: SUR/JDH                 | Plotted By: AO | Checked By: TF |
| Revised:   | Chart Survey Section                 |                |                |
| Approved:  | Chief, Waterways Maintenance Section |                |                |

**CALCASIEU SHIP CHANNEL**  
**UPPER SHEET 6**  
**CR\_06\_UPR\_20151102**  
**02 November 2015**

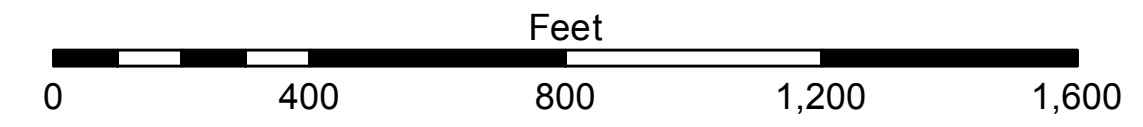
**Sheet Reference Number**  
**6 of 53**



| LEGEND                           |                     |                         |                  |
|----------------------------------|---------------------|-------------------------|------------------|
| --- Federal Navigation Channel   | ○ Cable Area        | □ Borrow Area           | ■ -15' and above |
| — Federal Navigation Center Line | □ Placement Area    | ● Shoalest Sounding**   | ■ -15' to -20'   |
| — As-built Pipeline/Cable        | □ Anchorage Area    | ★ Beacon, General       | ■ -20' to -25'   |
| ..... Unconfirmed Pipeline/Cable | ⊗ Obstruction Point | ◆ Red Navigation Buoy   | ■ -25' to -32'   |
| — Project Depth Contour          | ⚓ Wrecks-Submerged  | ◆ Green Navigation Buoy | ■ -32' to -38'   |
|                                  |                     |                         | ■ -38' to -40'   |
|                                  |                     |                         | ■ -40' to -42'   |
|                                  |                     |                         | ■ -42' and below |



Gage Reading: DM 114: 2.5 MLG  
 Sea Conditions: CALM  
 Vessel Name: M/V TECHE  
 Survey Type: CONDITION  
 Sounding Frequency\*\*\*: LOW



**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). Datum Relationships for gage 73565 as of December 2013: 0.0' NAVD83 (OPUS 2013) = 0.6' MLW = 1.6' MLG or 0.0' MLW = 1.0' MLG  
 Distances on the Calcasieu River are shown at 1 mile intervals.  
 The location of navigation aids are based on and provided by the U.S. Coast Guard and USACE survey crews.  
 2010 Aerial Photography data source: NAIP  
 Reference is N.O.A. Navigation Chart No. 11339.  
 \*\* 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.