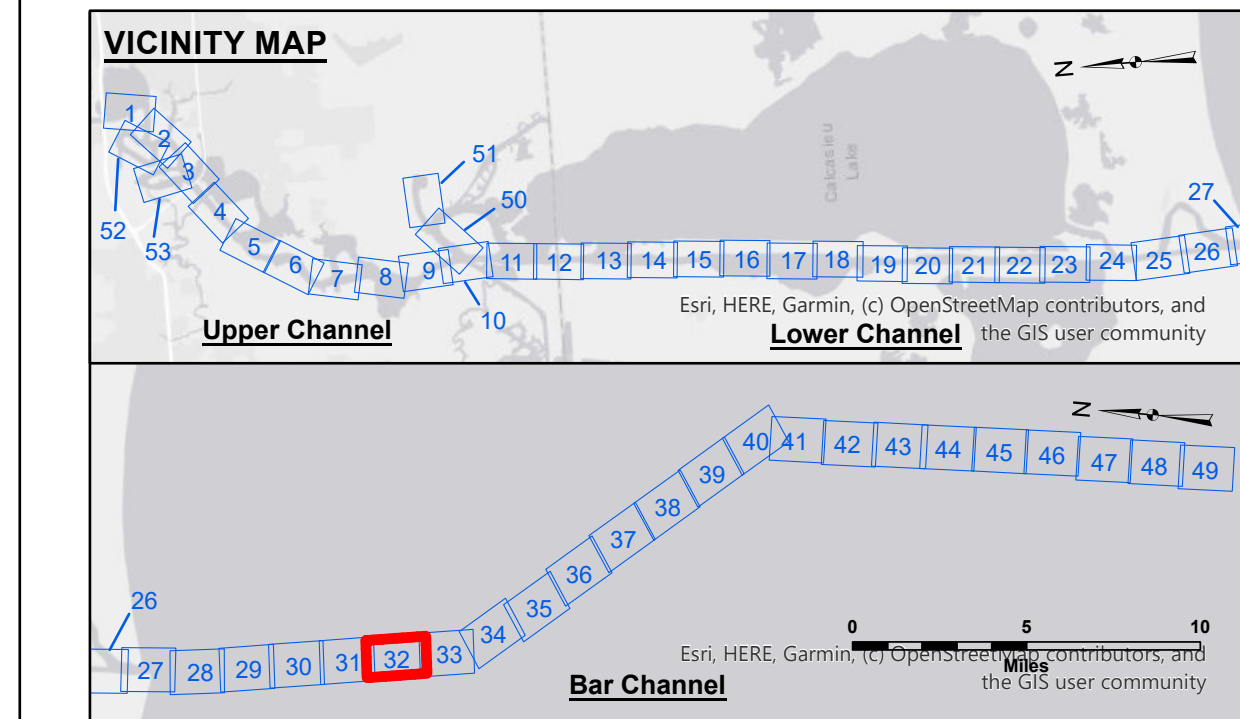
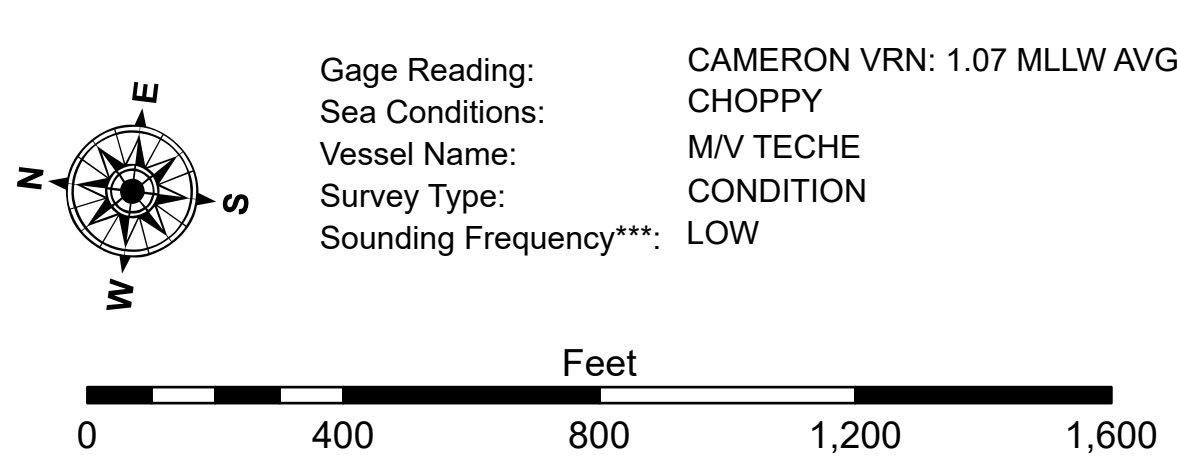




LEGEND						
 Federal Navigation Channel	 Cable Area	 Fluff Thickness (feet)*	 -16' and above			
 Federal Navigation Center Line	 Placement Area	 Shoalest Sounding**	 -16' to -21'			
 As-built Pipeline/Cable	 Anchorage Area	 Beacon, General	 -21' to -26'			
 Unconfirmed Pipeline/Cable	 Obstruction Point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



NOTES:
Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane
Coordinate System (SPCS), Louisiana South Zone. Distances within 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 73650 as of December 2013:
0.0' NAD83 (2008.55) = 1.3' MLLW = 2.3' MLLG or 0.0' MLLW = 1.0' MLLG

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. 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)
surveys normally penetrates through this "fluff" layer to depict elevations of consolidated bot-
tom material. Low frequency accuracies may vary depending on channel conditions and bathymeter
settings.

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