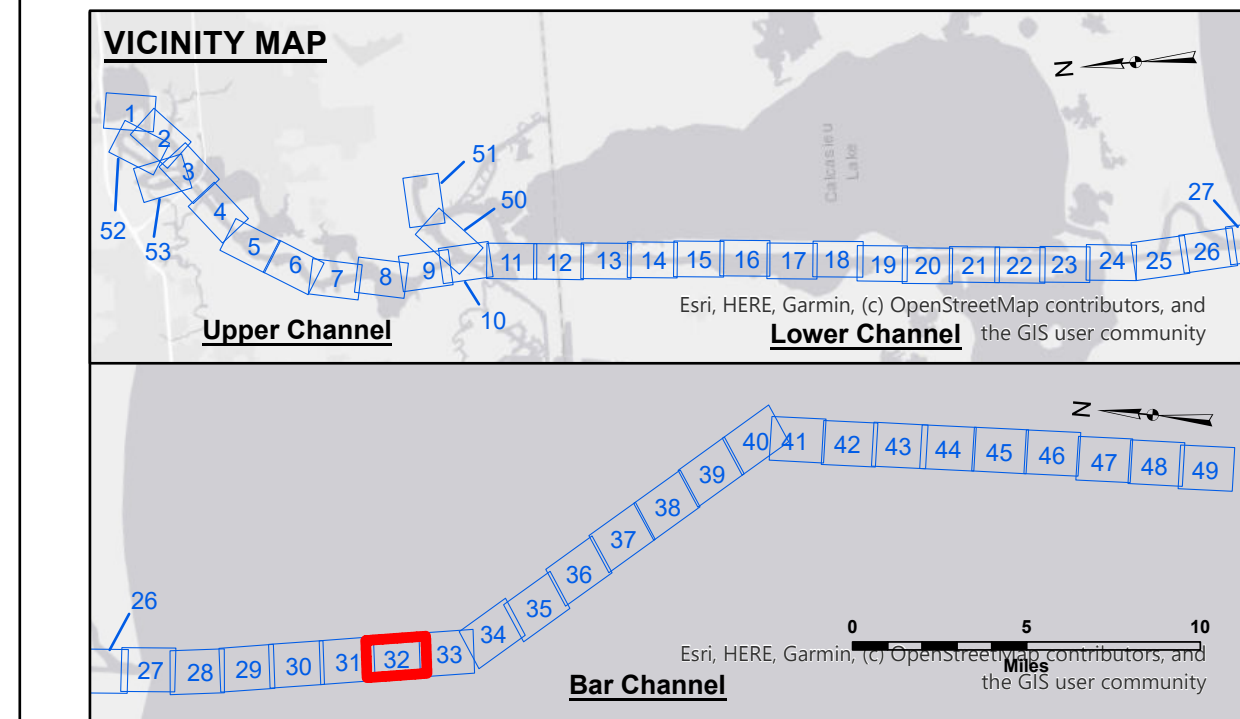
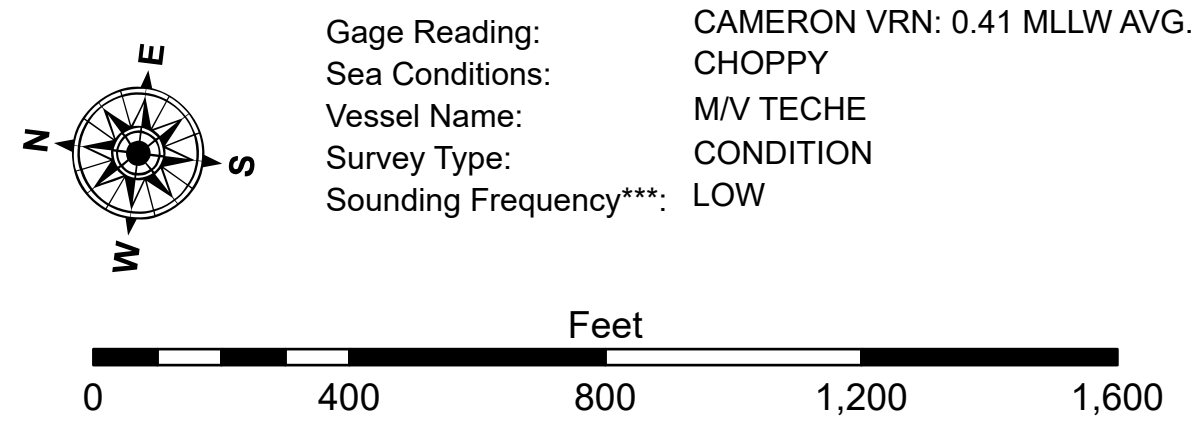




LEGEND					
--- Federal Navigation Channel	Cable Area	Fluff Thickness (feet)*		-16' and above	
— Federal Navigation Center Line	Placement Area	Shoalest Sounding**		-16' to -21'	
As-built Pipeline/Cable	Anchorage Area	Beacon, General		-21' to -26'	
..... Unconfirmed Pipeline/Cable	Obstruction Point	Red 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. 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 page 73650 as of December 2013:
0.0' NAVD89 = 1.3' MLLW = 2.3' 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 bathymetric
settings.

**Sheet
Reference
Number**
32 of 53