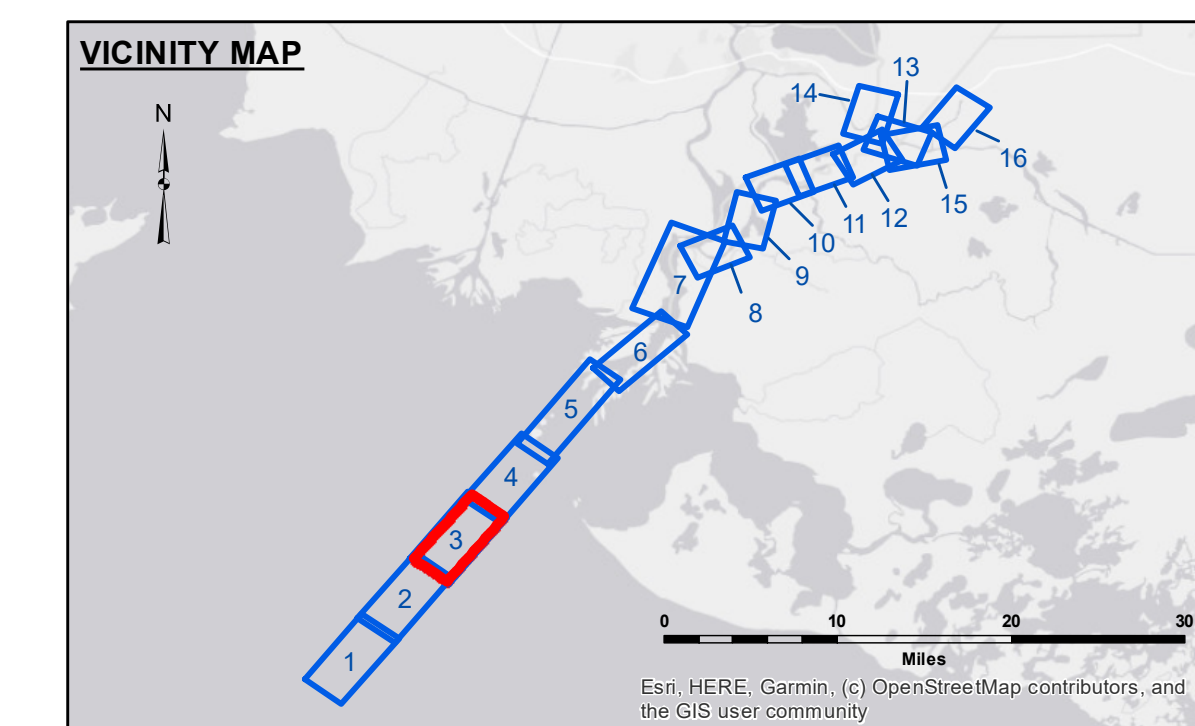
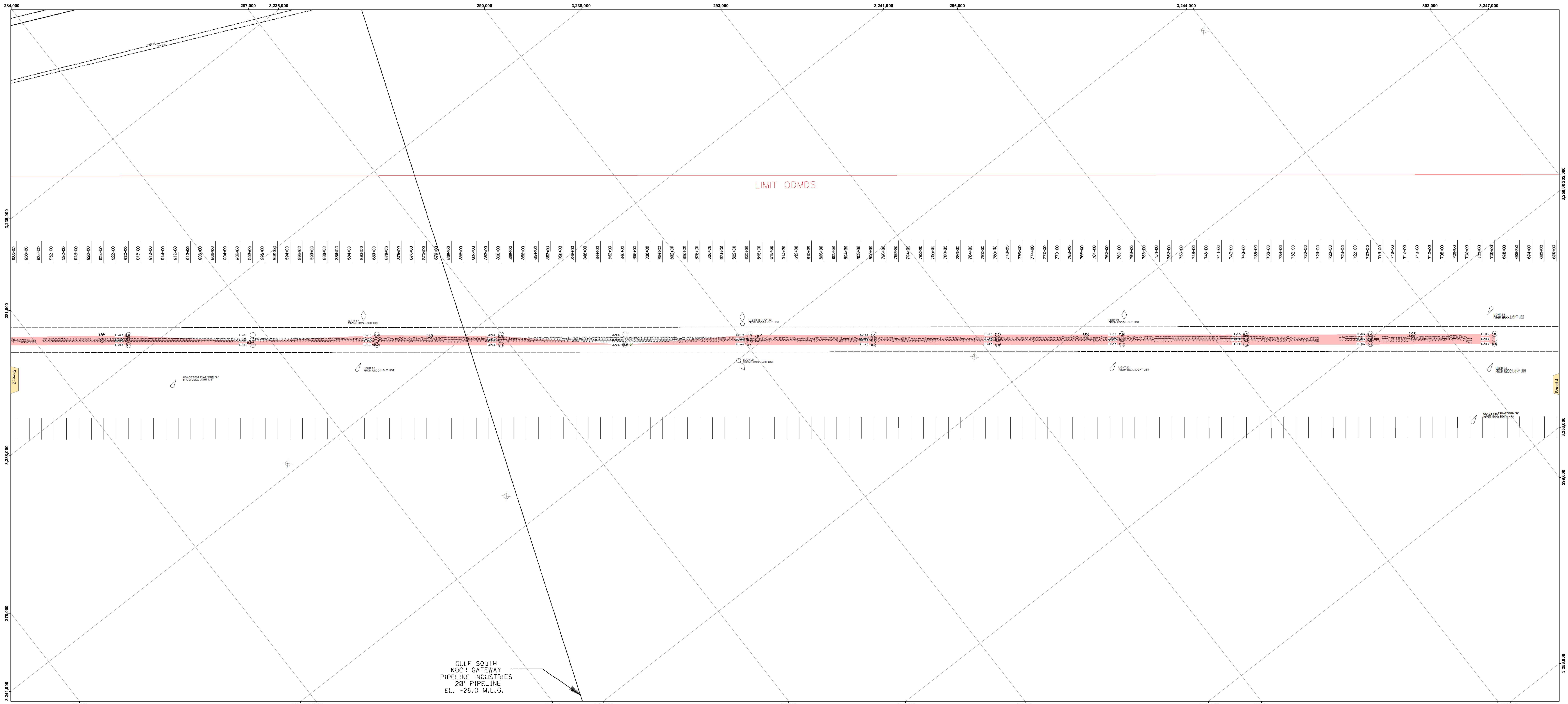




US Army Corps of Engineers  
District: CEMVN



**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' and below
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	★ Red Navigation Buoy	■ 3'
— Project Depth Contour	⚓ Wrecks-Submerged	★ Green Navigation Buoy	■ 20.0'
			■ Fluff Thickness*
			■ Lead Line Measurement

This data was collected in cooperation with the Port of Morgan City. The Port of Morgan City is not responsible for errors or omissions contained in this data set.

Gage Reading: EUGENE (NOAA): 2.5 MLG AVG  
 Sea Conditions: CALM  
 Vessel Name: M/V VALENTOUR  
 Survey Type: CONDITION, RHEO  
 Sounding Frequency\*\*: 1030,1250 DENS

Vertical Datum:  
 Horizontal Datum of 1983 (NAD83), projected to the State Plane  
 North American Datum of 1983 (NAD83), projected to the State Plane  
 Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet.  
 Datum Relationships for the gage 88600 as of August 2013:  
 0.07 NAVD83 = 0.01 MLLW = 1.5' MLG

Distances on the Atchafalaya River are shown at 1 mile intervals.  
 The location of navigation aids are shown and provided by the U.S. Coast Guard.  
 2019 Aerial Photography data source: P.A.R. LLC, (1998 DOQQ imagery in green).  
 Reference is N.O.A.A. Navigation Chart No. 11354.  
 \* Difference between high (or 1030 g/L) and low frequency (or 1250 g/L) 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 bathymetry settings.

**DISCLAIMER:** The United States Government neither endorses nor warrants the accuracy or reliability of the data shown on this map. The data is provided for informational purposes only and should not be used for navigation or other critical applications. The user assumes all responsibility for the use of the data. The data is provided as-is and the user agrees to hold the United States Government harmless for any and all claims, damages, or liabilities, including reasonable attorneys' fees, arising from the use of the data. The data is provided for informational purposes only and should not be used for navigation or other critical applications. The user assumes all responsibility for the use of the data. The data is provided as-is and the user agrees to hold the United States Government harmless for any and all claims, damages, or liabilities, including reasonable attorneys' fees, arising from the use of the data.

Submitted By:	JAD/MS/CC
Reviewed By:	AO
Checked By:	AO
Approved By:	AO

**ATCHAFALAYA RIVER  
 BAR CHANNEL DENSITY SURVEY  
 AR\_03\_DEN\_20190612\_CS  
 12 June 2019**

**Sheet Reference Number  
 3 of 16**

Revision Number:  
 410-20190702