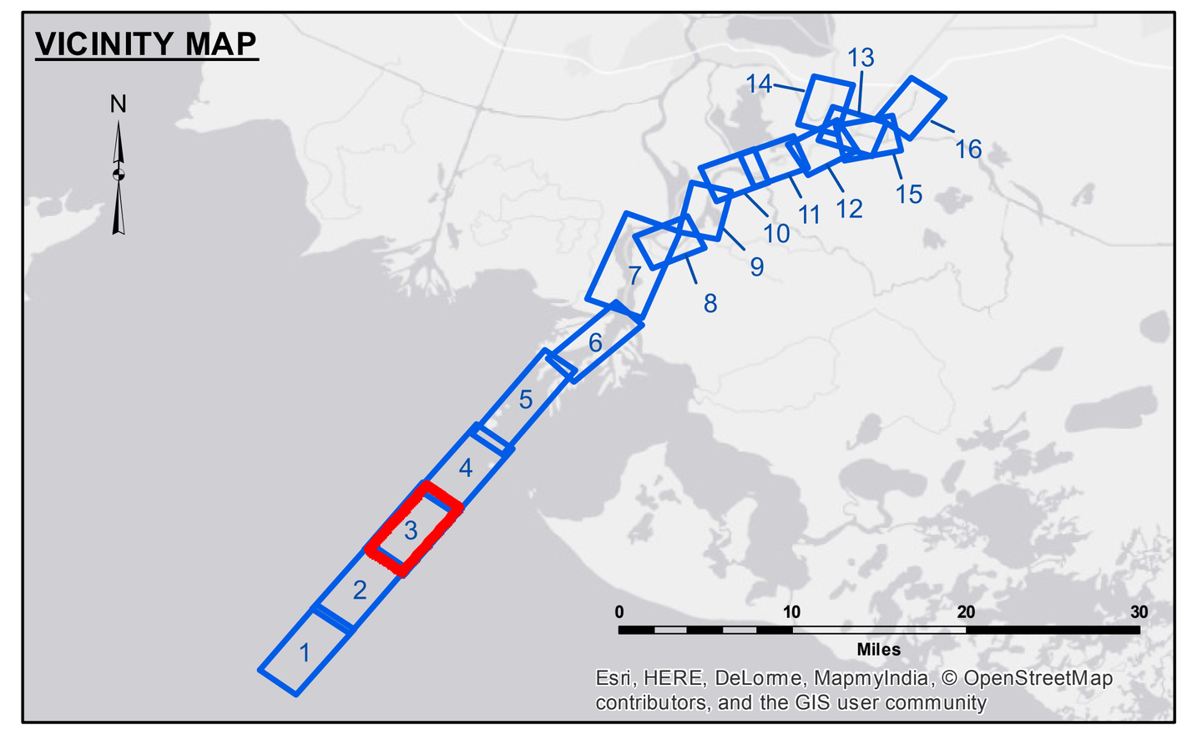

LEGEND

- - -	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	Fluff Thickness*
—	Project Depth Contour		Wrecks-Submerged		Green Navigation Buoy		

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

Gage Reading:	EUGENE ISLAND: 2.5 MLG
Sea Conditions:	CALM
Vessel Name:	MC OB
Survey Type:	MC RHEOTUNE
Sounding Frequency***:	N/A

Feet
0 800 1,600 2,400 3,200

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 the gage 88600 as of August 2013:
0.0' NAVD88 = 0.6' MLLW = 1.5' MLG

Distances on the Atchafalaya River are shown at 1 mile intervals.

The location of navigation aids are base on and provided by the U.S. Coast Guard.

2013 Aerial Photography data source: GEOCLIP, Atlantic Group, LLC. (1998 DOQQ imagery in green).

Reference is N.O.A.A. Navigation Chart No. 11354.

* 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 consoldiated 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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The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general condition existing at that time.

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Data Constraints: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging activity and natural shoaling and scouring processes. The U. S. Army Corps of Engineers accepts no responsibility for changes in the hydrographical conditions which develop after the date of publication. This data is intended for U. S. Army Corps of Engineers' internal use. Prudent mariners should not rely solely upon it.

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NEW ORLEANS DISTRICT

Submitted:	Surveyed By: MC CREW
Recommended: Chief, Survey Section	Plotted By: AO
Approved: Chief, Waterways Maintenance Section	Checked By: AO

ATCHAFALAYA RIVER
BAR CHANNEL DENSITY SURVEY
AR_03_DEN_20170914_CS
14 September 2017

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