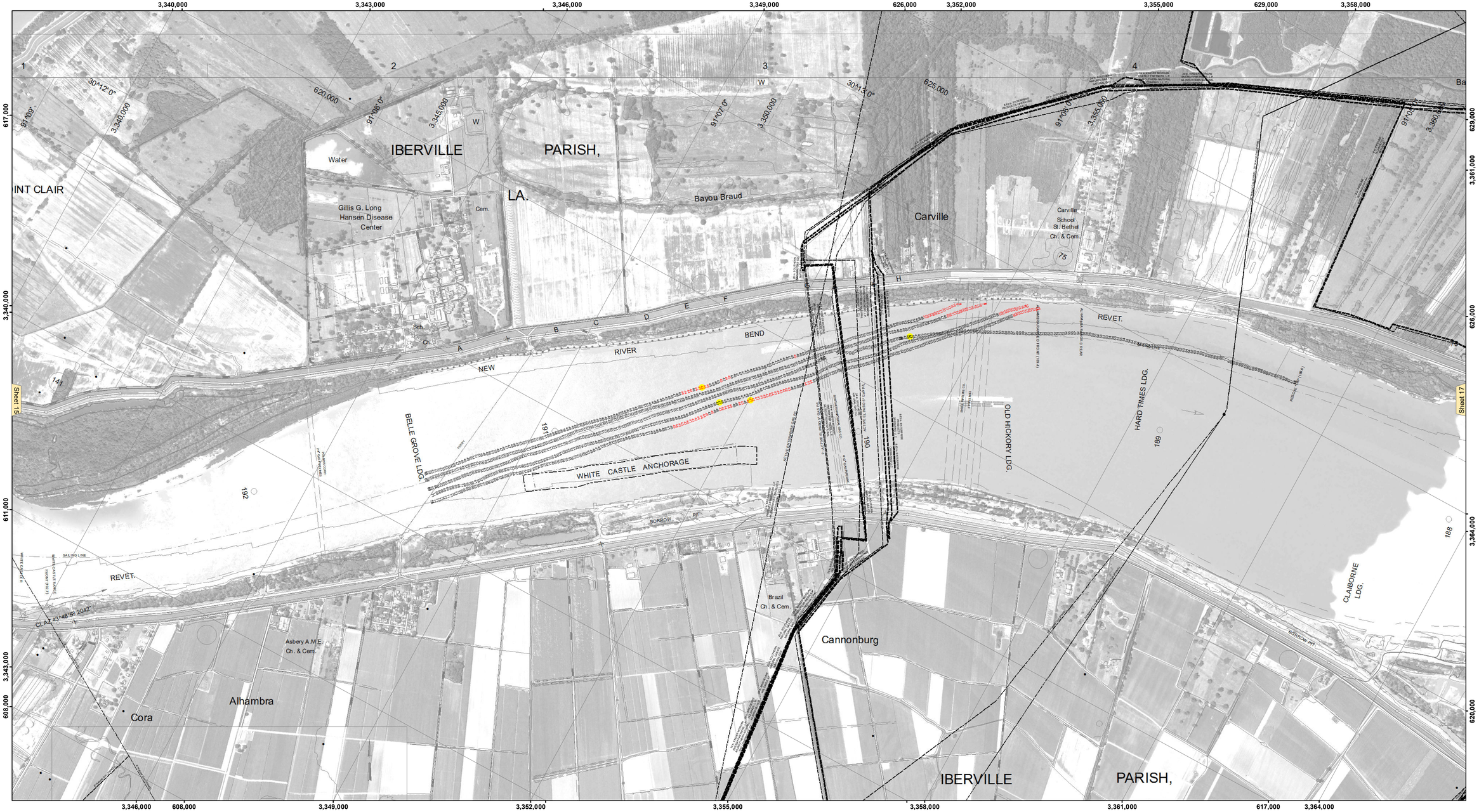

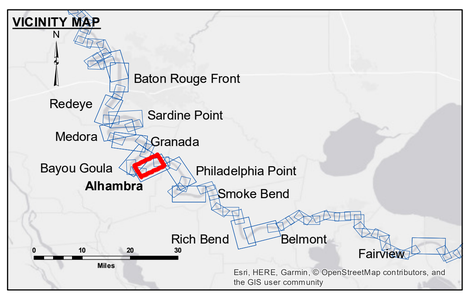

LEGEND

- Federal Navigation Channel
- Federal Navigation Center Line
- As-built Pipeline/Cable
- Unconfirmed Pipeline/Cable
- Project Depth Contour
- Cable Area
- Placement Area
- Anchorage Area
- Obstruction Point
- Wrecks-Submerged
- Borrow Area
- Shoalest Sounding**
- Beacon, General
- Red Navigation Buoy
- Green Navigation Buoy
- 0' and above
- 0' to -5'
- -5' to -10'
- -10' to -20'
- -20' to -30'
- -30' to -35'
- -35' to -40'
- -40' to 45'
- -45' and below

LWRP:	1.7
Gage Reading:	BR:12.8D:7.3 USED:8.9 NGVD
Sea Conditions:	CALM
Vessel Name:	M/V OB 167
Survey Type:	CONDITION
Sounding Frequency***:	HIGH

Feet
0 500 1,000 1,500 2,000 2,500

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 Low Water Reference Plane 2007 (NGVD).

Distances on the Mississippi River, above and below Head of Passes are shown at 1 mile intervals.

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

2015 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.

Reference is N.O.A.A. Navigation Chart No. 11370.

** 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.

US Army Corps of Engineers
District: CEMVN

DISCLAIMER
Access Constraints: The United States Government furnishes these data and the US Government makes no warranties, expressed or implied, concerning the accuracy, completeness, reliability, or suitability of the information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use made thereof. The recipient fully agrees not to represent these data to anyone as other than the best available data at the time of transferring this data. These data to others without also transferring this Disclaimer.

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 conditions existing at that time.

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Data Constraints: Hydrographic survey data is subject to change due to environmental factors affecting the waterway and the Corps activity and natural shoaling and scouring processes. The U. S. Army Corps of Engineers accepts no responsibility for changes in the waterway that occur after the survey has been completed for publication. This data is intended for U. S. Army Corps of Engineers internal use. Those that improve should be only used as a guide.

U.S. ARMY CORPRS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: RYLAND/SONNIER	
	Plotted By: AO	
Recommended: Chief, Survey Section	Checked By: AO	
Approved: Chief, Waterways Maintenance Section		

MISSISSIPPI RIVER - B.R. TO GULF
ALHAMBRA RECON
MR_16_ALH_20180829_CS
29 August 2018

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