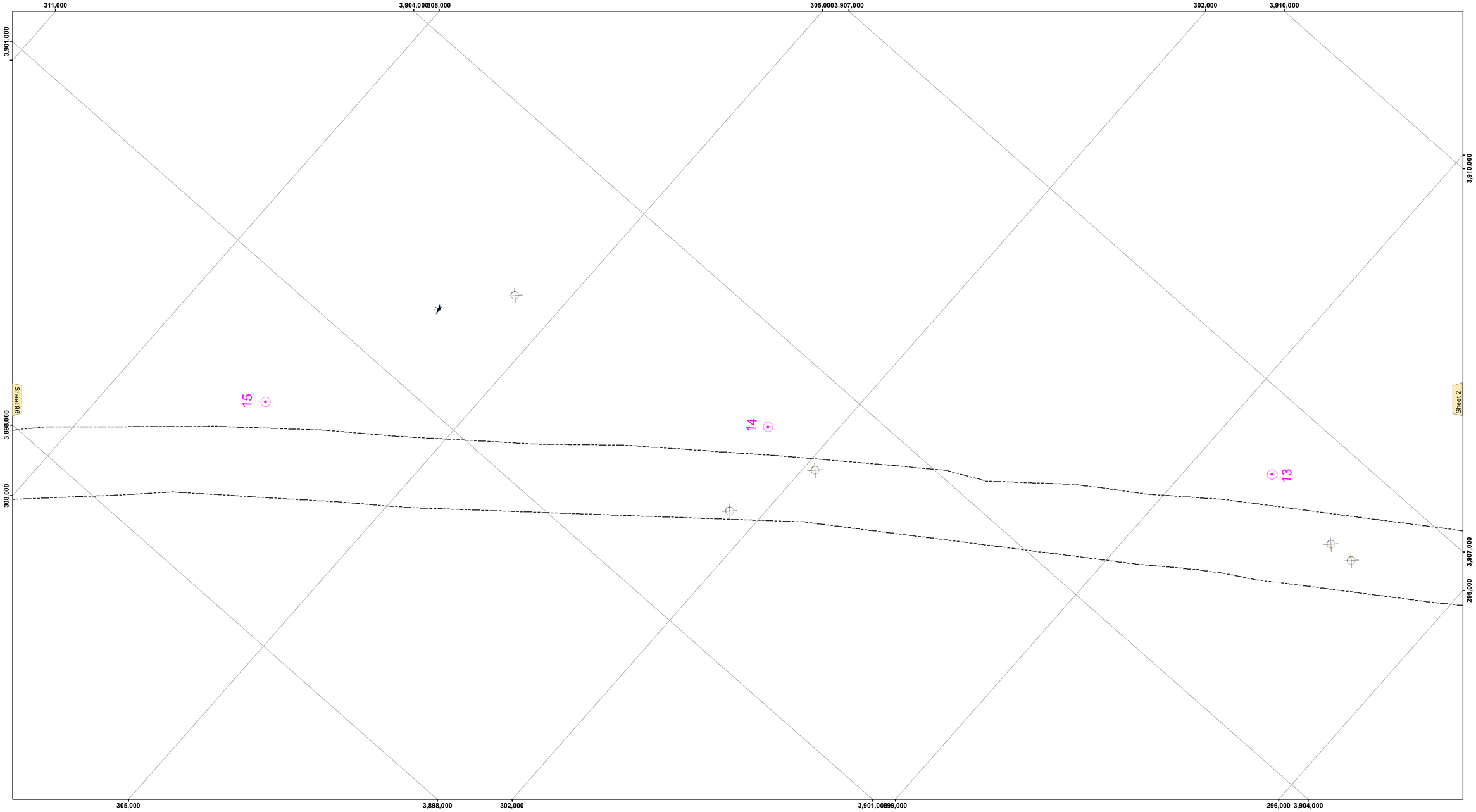

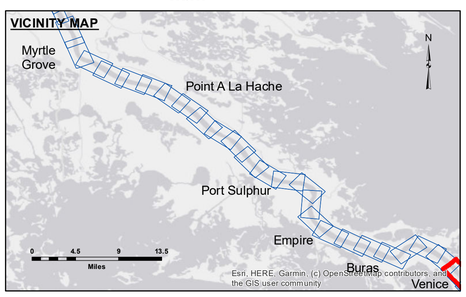

LEGEND

- 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
- Shoaling 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:	N/A
Gage Reading:	2.90 AV MLLW
Sea Conditions:	CALM
Vessel Name:	OB167
Survey Type:	MB_LIDAR
Sounding Frequency***:	400KHZ

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 (NAVD).

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.

2010 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

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Access Constraints: The United States Government furnishes these data and the US Government assumes no liability for the use of these data by other persons with the express authorization of the Government authority, but provides 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. Except for the express authorization set forth above, the recipient fully agrees not to represent these data to anyone as other than the Government product it is and to indemnify the Government for any damages that may result from the recipient's use of 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 condition existing at that time.

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Data Constraints: Hydrographic survey data is subject to change due to natural shoaling and scouring processes and human activity and natural shoaling and scouring processes. The U. S. Army Corps of Engineers accepts no responsibility for changes in the depths of waterways that occur after the date of publication. This data is intended for U. S. Army Corps of Engineers' internal use. Please contact the District for any other use.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:	Surveyed By: PM, SP
	Plotted By: TSS
Recommended: Chief, Survey Section	Checked By: AO
Approved: Chief, Waterways Maintenance Section	

MISSISSIPPI RIVER - B.R. TO GULF
VENICE
MD_97_VEN_20190801_CS_2X2
01 August 2019

Sheet Reference Number
97 of 97

Revison Number:
4.0-201907022