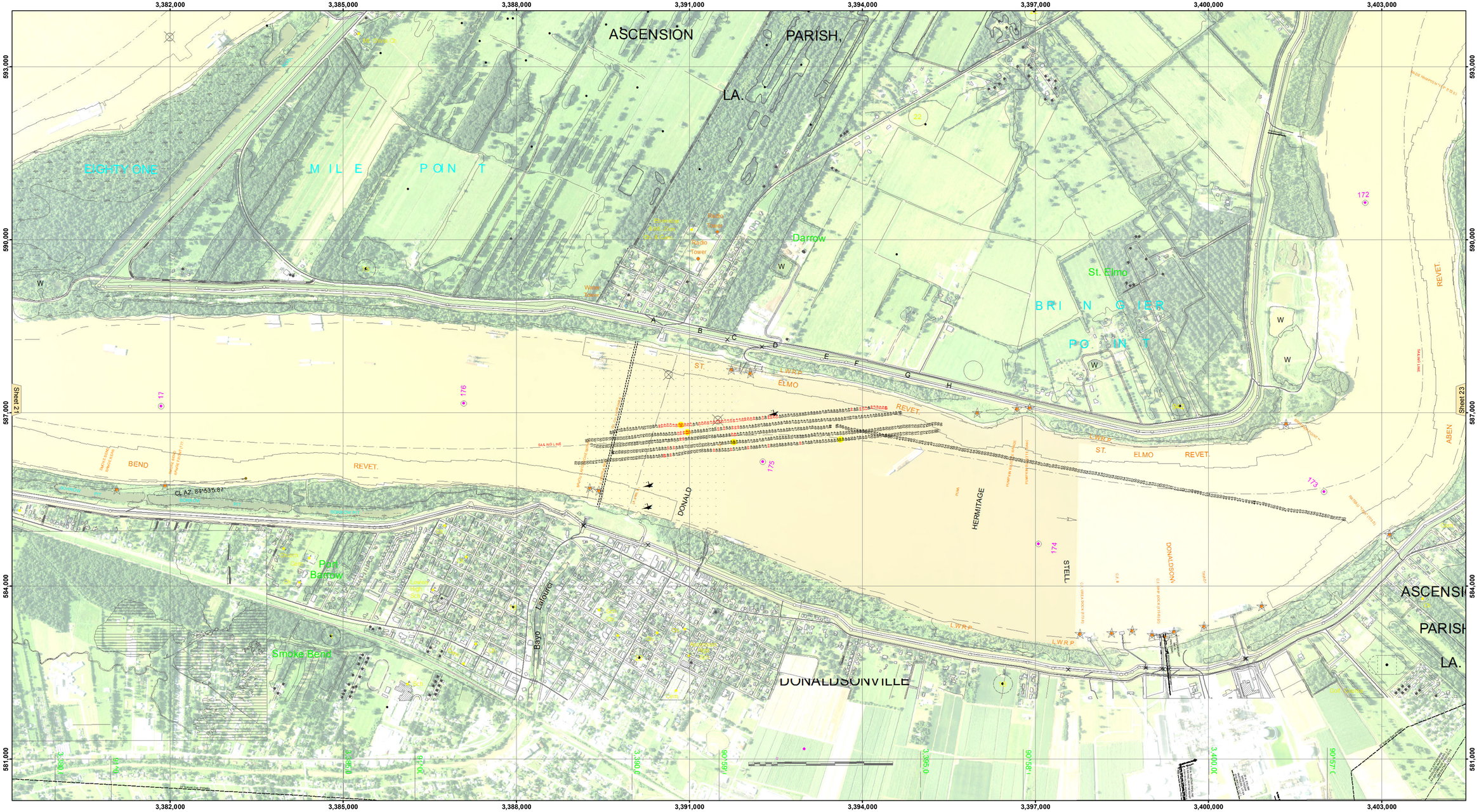

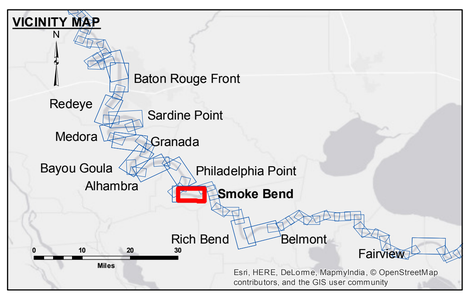

LEGEND

- 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

N W E S

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

LWRP:	LWRP
Gage Reading:	BR:8.15D:4.5 USED:4.5 NGVD
Sea Conditions:	CALM
Vessel Name:	LAFOURCHE
Survey Type:	SURVEY_TYPE
Sounding Frequency***:	HIGH

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.

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

DISCLAIMER
Access Constraints: The United States Government furnishes these data and the US Coast Guard assumes no liability except to the extent agreed to in writing by the Coast Guard and expressly or implied concerning the accuracy, completeness, usefulness, or suitability for any purpose of the data or any other information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any loss resulting from the use of the data or any other information and the recipient fully agrees not to represent these data to anyone as other than government data or to represent any product derived from 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 environmental factors affecting the waterway being surveyed, activity and natural shoaling and scouring processes. The U. S. Army Corps of Engineers accepts no responsibility for changes in the waterway after the survey has been completed and published. This data is intended for U. S. Army Corps of Engineers internal use. Those requiring broad or key safety upon it.

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NEW ORLEANS DISTRICT

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

MISSISSIPPI RIVER - B.R. TO GULF
SMOKE BEND RECON
MR_22_SMB_20161129
29 November 2016

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