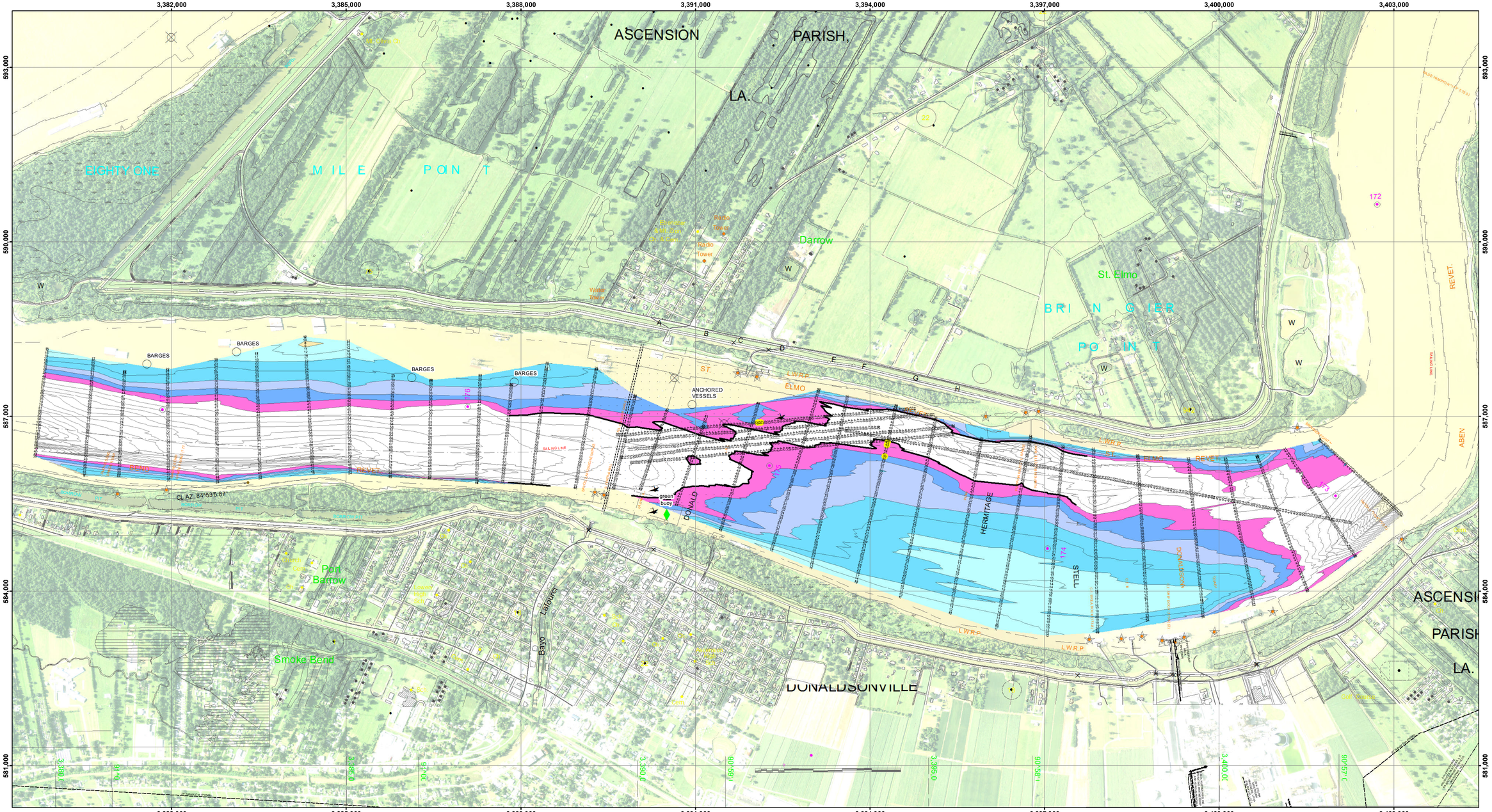

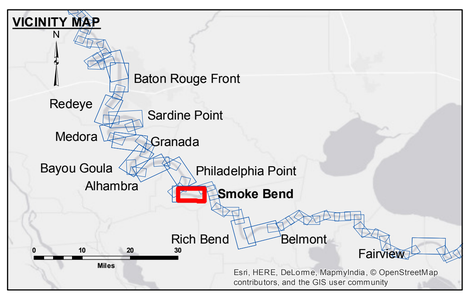

LEGEND

- 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:	1.4
Gage Reading:	BR:18.2D:10.6 USED:10.5 NGVD
Sea Conditions:	SMOOTH
Vessel Name:	OB189
Survey Type:	CONTROL
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 has no obligation to provide updates on the information furnished. The United States Government makes no warranties, expressed or implied concerning the accuracy, completeness, reliability, or suitability of this information for any purpose. Under no liability whatsoever on any person by reason of any use made thereof. It is agreed that the recipient fully agrees not to represent these data to anyone as other than the best available information. The United States shall be held harmless for any damages resulting from the recipient's use of these data by 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 as represent the general condition existing at that time.

Distribution Liability: The data represents the results of data collected by the Corps of Engineers for its own navigation activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy of the data. Any other use or reliance on the data is at the risk of any of the application of the data for other than its intended purpose.

Data Constraints: Hydrographic survey data is subject to change without notice because of natural shoaling and scouring processes. The U. S. Army Corps of Engineers accepts no responsibility for changes in the data that occur after the survey date indicated on this publication. This data is intended for U. S. Army Corps of Engineers internal use. Project managers should contact the survey section.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Surveyed By:	DJS/SPS
Plotted By:	AO
Checked By:	MK

Submitted: _____
Recommended: Chief, Survey Section _____
Approved: Chief, Waterways Maintenance Section _____

MISSISSIPPI RIVER - B.R. TO GULF
SMOKE BEND CROSSING
MD_22_SMB_20160708
08 July 2016

Sheet Reference Number
22 of 97

Revison Number:
3.8.0-20150202