

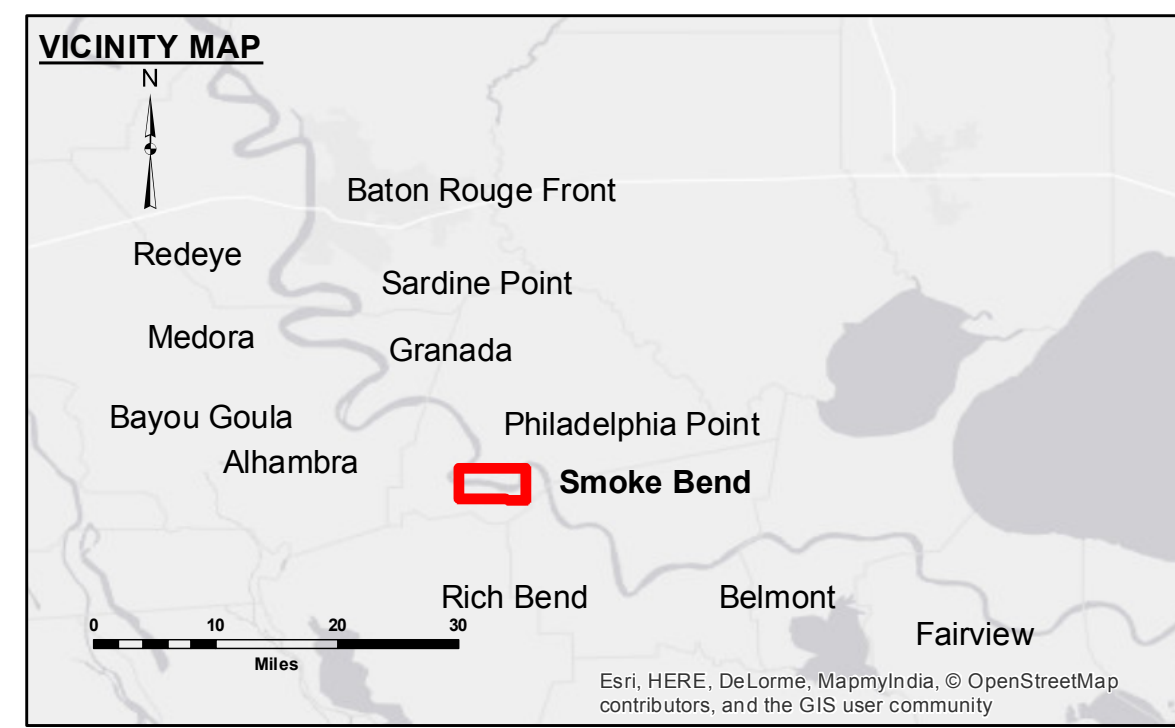
DISCLAIMER

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U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
Submitted:	Surveyed By: DR,JA
Recommended: Chief Survey Section	Plotted By: AO
Approved: Chief Waterways Maintenance Section	Checked By: MK

MISSISSIPPI RIVER - B.R. TO GULF
SMOKE BEND RECON
MR_22_SMB_20160315
15 March 2016

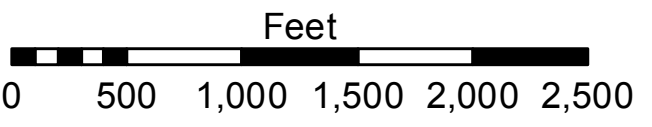
Sheet Reference Number
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LEGEND			
---	Federal Navigation Channel	⊗	Obstruction Point
---	Federal Navigation Center Line	⊛	Wrecks-Submerged
——	As-built Pipeline/Cable	□	Placement Area
.....	Unconfirmed Pipeline/Cable	⊞	Cable Area
---	Project Depth Contour	⊠	Anchorage Area
□	Borrow Area	★	Beacon, General
●	Shoalest Sounding**	◆	Red Navigation Buoy
◆	Green Navigation Buoy	◆	Green Navigation Buoy
■	0' and above	■	0' to -5'
■	0' to -5'	■	-5' to -10'
■	-5' to -10'	■	-10' to -20'
■	-10' to -20'	■	-20' to -30'
■	-20' to -30'	■	-30' to -35'
■	-30' to -35'	■	-35' to -40'
■	-35' to -40'	■	-40' to 45'
■	-40' to 45'	■	-45' and below



LWRP: 1.4
 Gage Reading: BR:35.7D:25.5 USED:25.4 NGVD
 Sea Conditions: CALM
 Vessel Name: M/V OB189
 Survey Type: CONDITION
 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 based 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 bathymeter settings.