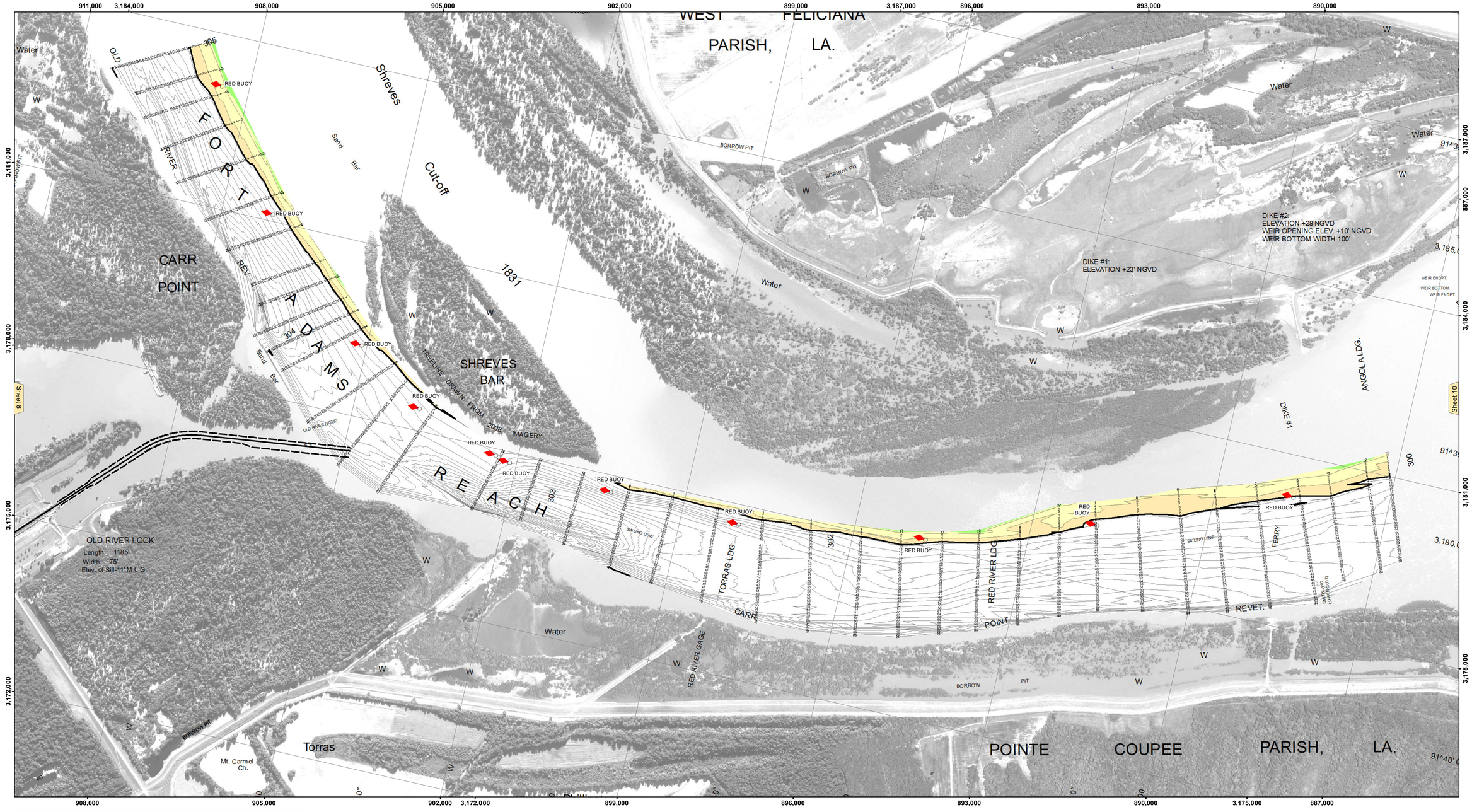

US Army Corps of Engineers
District: CEMVN

DISCLAIMER
Access Constraints: The United States Government furnishes these data and information as a service to the hydrographic survey community and assumes no liability for the use of the data except as expressed, or implied concerning the accuracy, completeness, timeliness, or suitability of the data and information for any purpose. The data and information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use made thereof. In no event shall the United States be liable for any loss of profits or liability for any claim by any third party. The recipient fully agrees not to represent these data to anyone as other than the best available data and information at the time they provide 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 and man-made influences. Users should verify survey activity and natural shoaling and scouring processes. The U. S. Army Corps of Engineers accepts no responsibility for changes in the navigation channel that occur after the date of this publication. This data is intended for U. S. Army Corps of Engineers' internal use. Private business should seek independent advice.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted:

Recommended: Chief, Survey Section

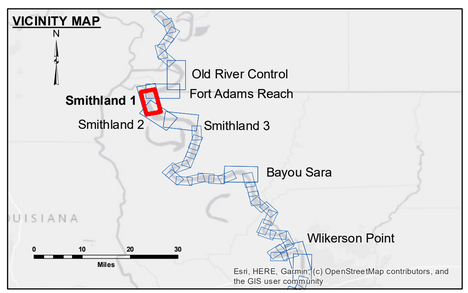
Approved: Chief, Waterways Maintenance Section

Surveyed By: SP, JS
Plotted By: BD
Checked By: AO

MISSISSIPPI RIVER - SHALLOW DRAFT
SMITHLAND - SHEET 1
MS_09_SM1X_20230619_CS
19 June 2023

Sheet Reference Number
9 of 39

Revison Number:
4.2-20200420



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 -9'
- -9' and below

LWRP:	13.5
Gage Reading:	NTRIP VRS RTK: 23.06 NAVD AVG.
Sea Conditions:	CALM
Vessel Name:	OB-169
Survey Type:	CONDITION
Sounding Frequency***:	HIGH

Feet
0 300 600 900 1,200 1,500

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.

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

Reference is USACE IENC U35LM236.

** 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.