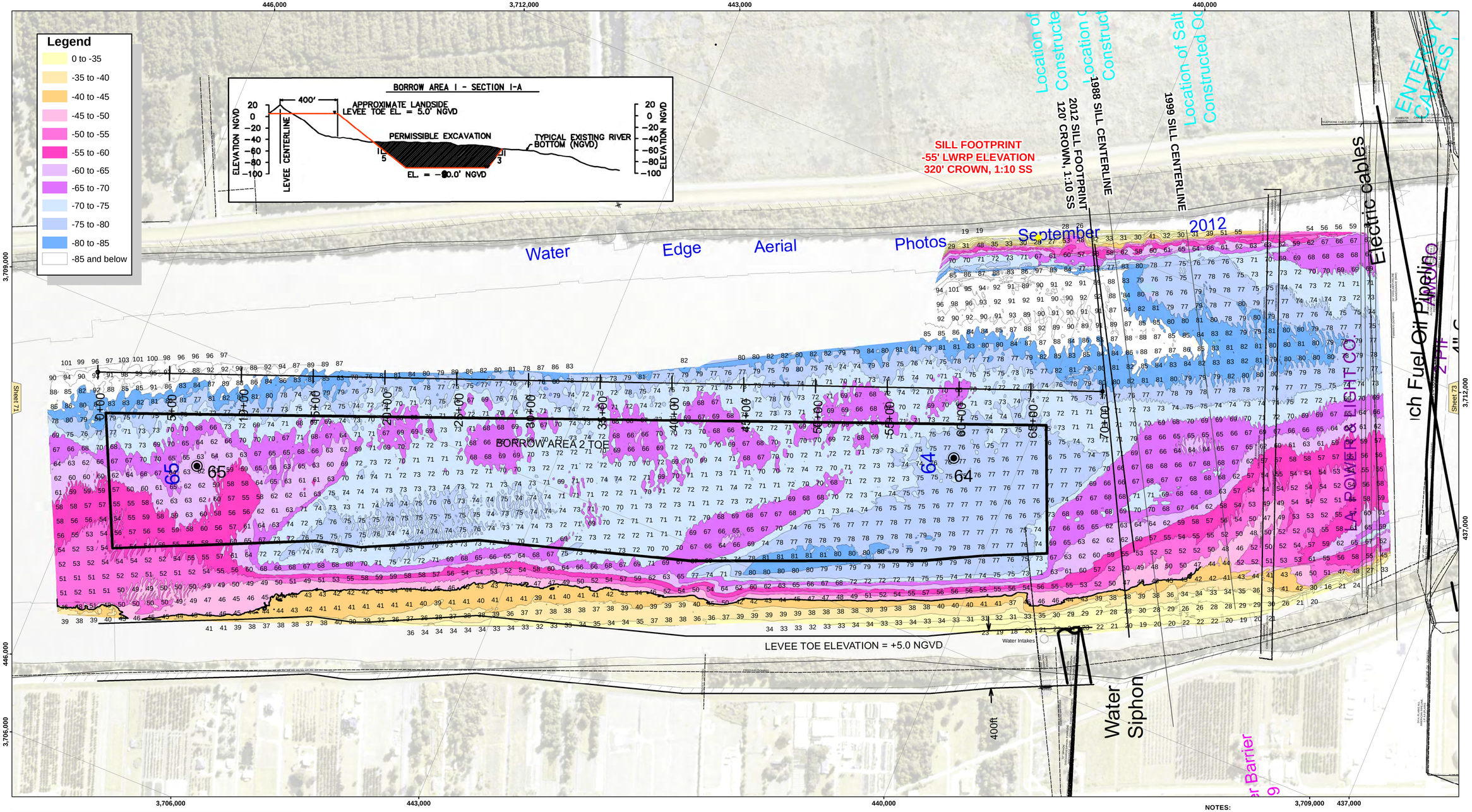

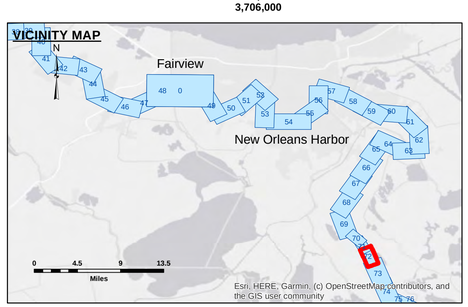

LEGEND

- 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

LWRP:	N/A
Gage Reading:	2.24 AV NAVD88
Sea Conditions:	CALM
Vessel Name:	OB-169
Survey Type:	MB
Sounding Frequency***:	400KHZ

Feet: 0 500 1,000 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 (LWRP07).

Datum Relationships for Alliance (0.0' Gage Datum = 0.0' NAVD88 (2009.55) = 0.71' NGVD29 = -0.4' LWRP07)

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 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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Data Constraints: Hydrographic survey data is subject to change without notice because of the dynamic nature of the waterway activity and natural shoaling and scouring processes. The U. S. Army Corps of Engineers accepts no responsibility for any changes in the hydrography that occurs subsequent to the date of the survey publication. This data is intended for U. S. Army Corps of Engineers planning use. Project maintenance should be only based upon it.

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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.

U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted: Surveyed By: PM_LT

Recommended: Plotted By: BD

Approved: Chief, Survey Section — Chief, Waterways Maintenance Section — Checked By: AOJH

MISSISSIPPI RIVER - B.R. TO GULF
SALT WATER BARRIER, BORROW 1
MD_72_SB3_20240820_CS_3X3
20 August 2024

Sheet Reference Number
72 **of** 97

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4.2-20200420