

| GAGE DESCRIPTION | VERTICAL DATUM | CONVERSION TO MLG |
|---------------------------------------|---------------------|-------------------|
| MISS. RIVER @ IHNC LOCK DCP# 01340 | NAVD88 (2004.65) | ADD(+) 1.83' |

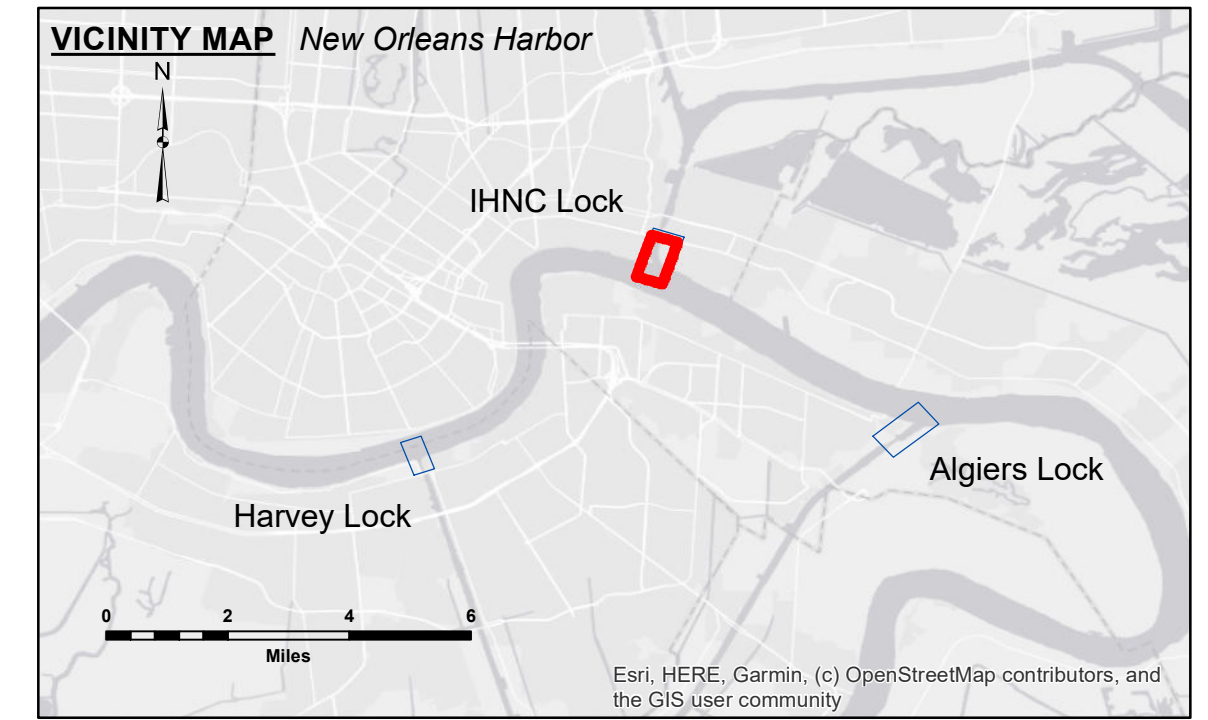
| TABLE OF COORDINATES APPROX LIMITS OF WORK | | |
|---|-------------|------------|
| POINT | X | Y |
| 1 | 3694672.343 | 531637.537 |
| 2 | 3694803.259 | 531710.755 |
| 3 | 3694156.467 | 532867.245 |
| 4 | 3694063.970 | 533616.601 |
| 5 | 3694289.163 | 534448.693 |
| 6 | 3694300.250 | 534566.222 |
| 7 | 3694326.374 | 534662.749 |
| 8 | 3694254.673 | 534684.907 |
| 9 | 3693974.131 | 533724.857 |
| 10 | 3693874.386 | 533356.299 |
| 11 | 3693920.635 | 532981.621 |
| 12 | 3694737.801 | 531674.146 |
| 13 | 3964113.710 | 532790.045 |
| 14 | 3694008.465 | 533631.623 |
| 15 | 3694290.871 | 534675.111 |

| CURVE DATA | |
|---------------------|----------------|
| CURVE 1 DATA | |
| EAST EDGE OF CUT | |
| DELTA: | 44° 21' 37.84" |
| DEGREE OF CURVE: | 5° 43' 46.48" |
| TANGENT: | 407.69' |
| LENGTH OF CURVE: | 774.24' |
| RADIUS: | 1000' |
| CURVE 2 DATA | |
| C/L | |
| DELTA: | 44° 21' 37.84" |
| DEGREE OF CURVE: | 5° 07' 14.77" |
| TANGENT: | 456.16' |
| LENGTH OF CURVE: | 866.29' |
| RADIUS: | 1118.89' |
| CURVE 3 DATA | |
| WEST EDGE OF CUT | |
| DELTA: | 44° 21' 38.05" |
| DEGREE OF CURVE: | 11° 27' 32.96" |
| TANGENT: | 203.85' |
| LENGTH OF CURVE: | 387.12' |
| RADIUS: | 500' |

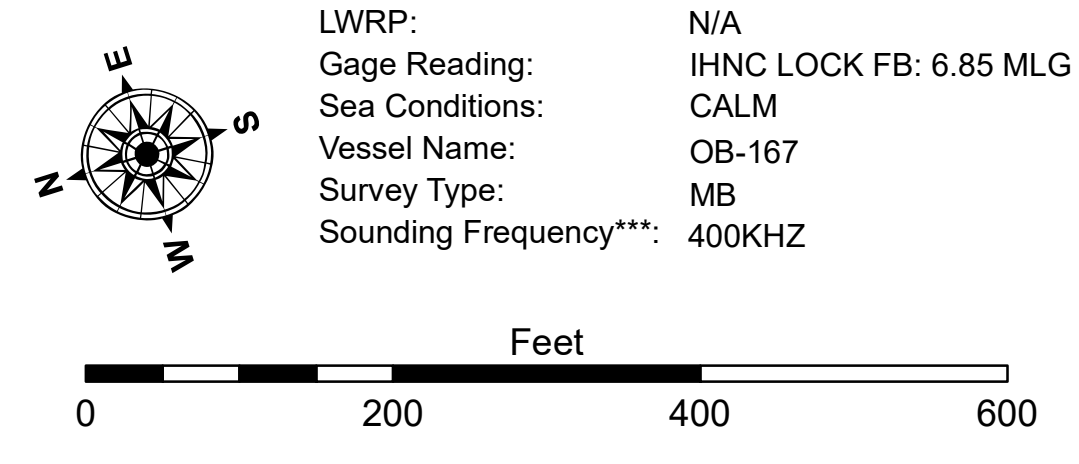
DISTRIBUTION LIABILITY: The data represents the results of data collection for a specific US Army Corps of Engineers project. It is only valid for its intended use, content, time and accuracy. The user is responsible for the results. The user's application of the data for other than its intended purpose is at their own risk. Data Constants: Hydrographic survey data is subject to change due to several factors including but not limited to changing hydrographic conditions which develop after the date of the survey. The user is responsible for the results of the data. The user's application of the data for other than its intended purpose is at their own risk. The user is responsible for the results of the data. The user's application of the data for other than its intended purpose is at their own risk.

| U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT | | |
|--|-------------------|-------------------|
| Submitted: | Reviewed: | Approved: |
| Surveyed By: PM, JA | Plotted By: JH | Checked By: JH |
| Chief, Survey Section | | |
| Chief, Waterways Maintenance Section | | |

MISSISSIPPI RIVER DEEP-DRAFT LOCKS
I.H.N.C. LOCK FOREBAY
LK_02_IHN_20230511_CS_5X5
11 May 2023



| LEGEND | | | |
|----------------------------------|---------------------|-------------------------|------------------|
| --- Federal Navigation Channel | ○ Cable Area | □ Placement Area | ■ -12' and above |
| — Federal Navigation Center Line | □ Placement Area | ● Shoalest Sounding** | ■ -12' to -20' |
| — As-built Pipeline/Cable | □ Anchorage Area | ☆ Beacon, General | ■ -20' to -25' |
| Unconfirmed Pipeline/Cable | ⊗ Obstruction Point | ◆ Red Navigation Buoy | ■ -25' to -32' |
| — Project Depth Contour | ⊗ Wrecks-Submerged | ◆ Green Navigation Buoy | ■ -32' to -36' |
| | | | ■ -36' and below |



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 Mean Low Gulf (MLG).
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.
2015 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.
Reference is N.O.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.

Sheet Reference Number
2 of 4
Revision Number:
4.2-200420