

GAGE DESCRIPTION	VERTICAL DATUM	CONVERSION
		TO MLG
MISS. RIVER @ IHNC LOCK	NAVD88 (2004.65)	ADD (+)
DCP# 01340		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	531674.145
13	3694113.710	532790.045
14	3694008.465	533631.623
15	3694290.871	534675.111

CURVE DATA	
<b>CURVE 1 DATA</b>	
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'
<b>CURVE 2 DATA</b>	
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'
<b>CURVE 3 DATA</b>	
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'

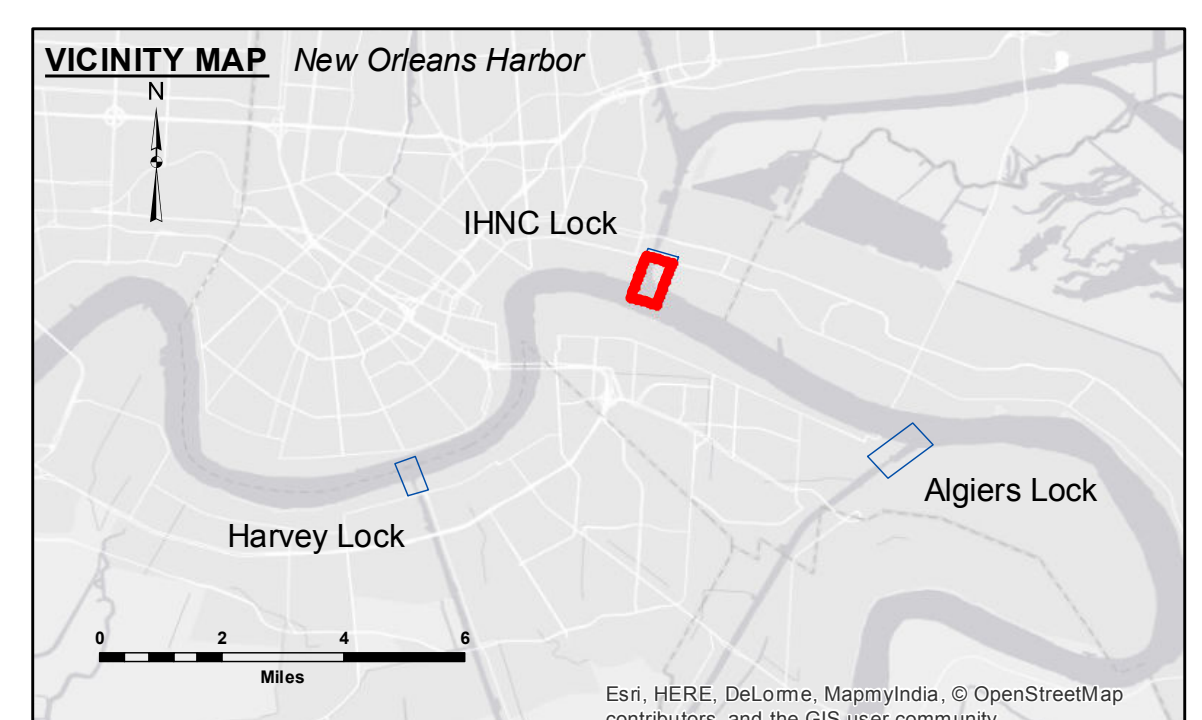


**Distribution Liability:** The data represents the results of data collection performed for a specific US Army Corps of Engineers project and is only valid for its intended use. Control, time and accuracy specifications. The user is responsible for the results. The user must apply the appropriate data for their intended purpose.

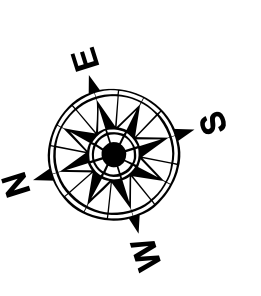
**Data Constraints:** Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging, sedimentation, and channel migration. The user must verify the data for the specific project and location. The user must verify the data for the specific project and location. The user must verify the data for the specific project and location.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT		
Submitted:	Checked By:	AC
Recommended:	Checked By:	BD
Reviewed:	Checked By:	SPPM

**MISSISSIPPI RIVER DEEP-DRAFT LOCKS**  
**I.H.N.C. LOCK FOREBAY**  
**LK\_02\_IHN\_20170412\_CS\_5X5**  
**12 April 2017**



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



LWRP: N/A  
 Gage Reading: IHNC LOCK: 9.12 MLG  
 Sea Conditions: CALM  
 Vessel Name: OB-169  
 Survey Type: CONDITION  
 Sounding Frequency\*\*\*: 400 KHZ

**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.

2010 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:  
 3.13-20160811