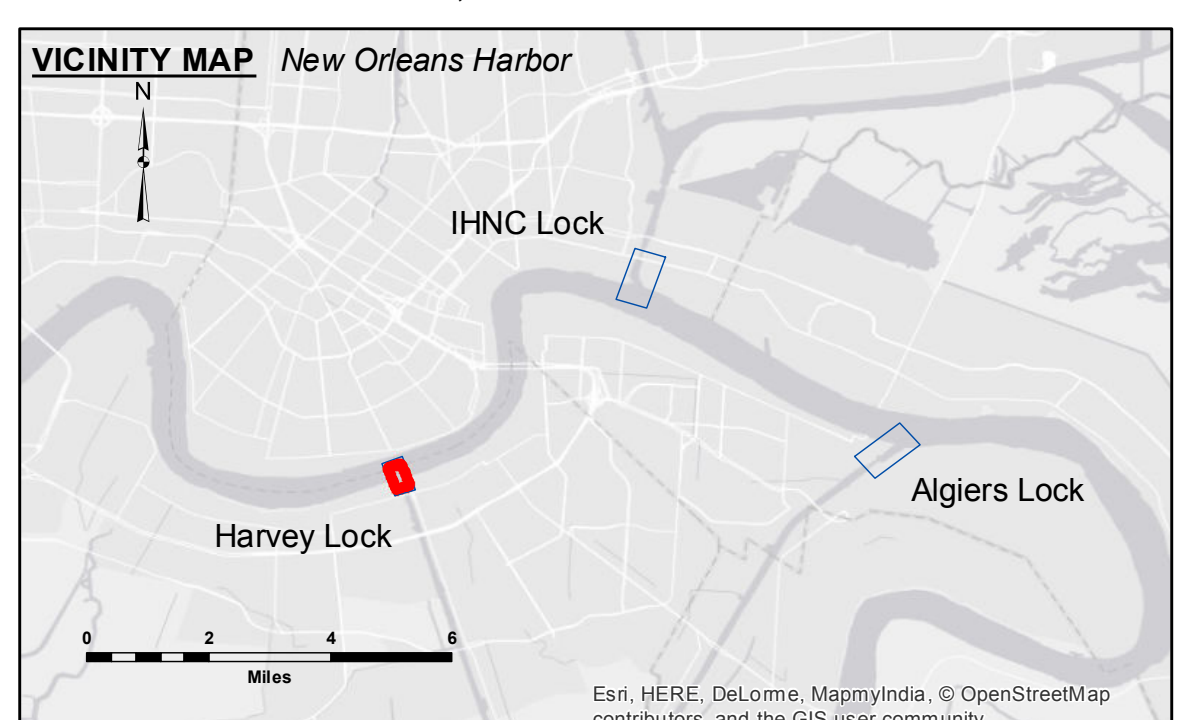


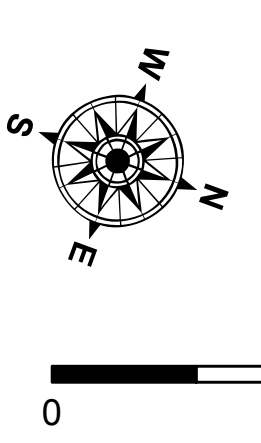
ACCESS NOTES
 Access Restrictions: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that they are for official use only and are not to be distributed, reproduced, or used for any purpose other than that for which they were provided. The user is responsible for the results of any use of these data. The application of the data for other than its intended purpose is not warranted. The data are not to be used for navigation purposes. The information depicted on this map represents the results of a survey conducted on the date of the survey. The information is not to be used for navigation purposes. The information is not to be used for navigation purposes. The information is not to be used for navigation purposes.

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

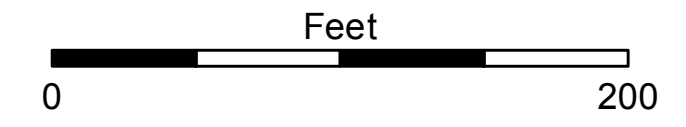
MISSISSIPPI RIVER DEEP-DRAFT LOCKS
HARVEY LOCK FOREBAY
LK_03_HVY_20170613_CS_5X5
13 June 2017



LEGEND		
--- Federal Navigation Channel	○ Cable Area	□ Placement Area
— Federal Navigation Center Line	■ Placement Area	● Shoalest Sounding**
— As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy
— Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy
		■ -8' and above
		■ -8' to -10'
		■ -10' to -12'
		■ -12' and below



LWRP: N/A
 Gage Reading: HARVEY LK: 15.11 MLG
 Sea Conditions: CALM
 Vessel Name: M/V 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 base 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 fathometer settings.

Sheet Reference Number
3 of 4