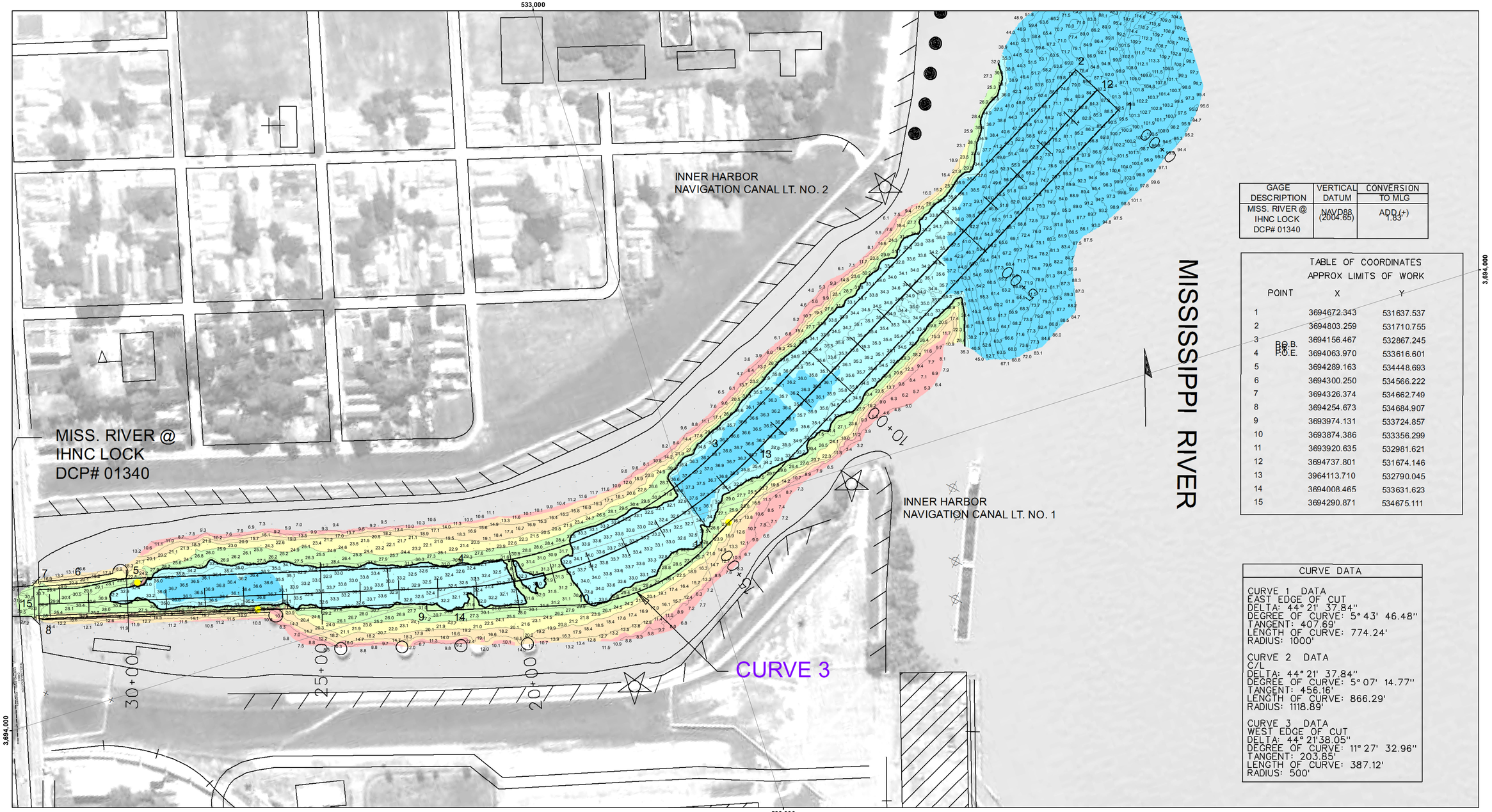


GAGE DESCRIPTION	VERTICAL DATUM	CONVERSION TO MLG
MISS. RIVER @ IHNC LOCK DCP# 01340	NAVD88 (2004.65)	ADD (+) 1.83'

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

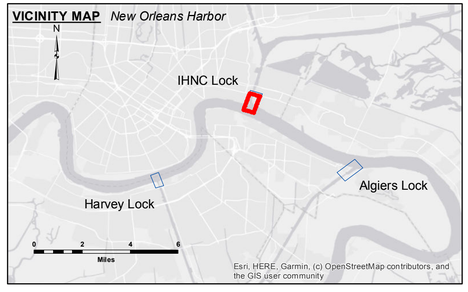
B.O.B.
B.O.P.
T.O.E.

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'



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
- Placement Area
- Shoalest Sounding**
- Beacon, General
- Red Navigation Buoy
- Green Navigation Buoy
- -12' and above
- -12' to -20'
- -20' to -25'
- -25' to -32'
- -32' to -36'
- -36' and below

LWRP:	N/A
Gage Reading:	RTK VRS NTRIP: 4.58 MLG
Sea Conditions:	CHOPPY
Vessel Name:	OB-169
Survey Type:	CONDITION
Sounding Frequency***:	400KHZ

Feet
0 200 400 600

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.

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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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 environmental factors such as storms, human navigation activity, and natural shoaling and scouring processes. The U. S. Army Corps of Engineers accepts no responsibility for changes in the environment after the survey has been completed.

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U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

Submitted: Surveyed By: SP, SR

Recommended: Chief, Survey Section — Plotted By: BD

Approved: Chief, Waterways Maintenance Section — Checked By: AO

MISSISSIPPI RIVER DEEP-DRAFT LOCKS
I.H.N.C. LOCK FOREBAY
LK_02_IHN_20211013_CS_5X5
13 October 2021

Sheet Reference Number
2 of 4

Revison Number:
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