



DECEMBER 3, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 9:30	WSE @ 10:30	LWRP 2014	LWRP DIF @ 9:30	LWRP DIF @ 10:30
46	317.33	317.31	305.71	11.62	11.60
47	318.06	318.05	306.32	11.74	11.73
48	318.82	318.82	306.86	11.96	11.96

1. SOUNDED DECEMBER 3, 2020 BY BOWEN ENGINEERING AND SURVEYING.
 2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83). COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
 3. VERTICAL DATUM IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- Depths shown are below LWRP2014 SURFACE
 Red solid contours are 9' below LWRP2014 SURFACE
 Green dashed contours are 12' below LWRP2014 SURFACE
 Blue dashed contours are 14' below LWRP2014 SURFACE



GAGE RECORD		COMMERCE NO	
CAPE GRADE/AL NO	GRAY'S POINT MO	THEBES, IL	
304.27	300.79	299.71	0160
52.1	46.3	43.7	39.5
309.62	305.81	304.61	3012
03 DEC 2020 17.6899-20 17.6110-30	16.7399-20 16.7100-30	16.2199-20 16.0100-30	X

U.S. ARMY ENGINEER DIVISION CORPS OF ENGINEERS ST. LOUIS, MISSOURI		SURVEY DATE: DECEMBER 3, 2020	
Drawn by: X	Checked by: X	Reviewed by: X	
Submitted: X	Approved: X		
UPPER MISSISSIPPI RIVER BASIN		MISSISSIPPI RIVER	
Plate code:	File name:		

170 0 100 200 300 400 500 600 700 800 900 1000 METERS

400 0 400 800 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY CONDUCTED UNDER THE GENERAL CONDITIONS ESTABLISHED BY THE U.S. ARMY CORPS OF ENGINEERS.

PRE DREDGE SURVEY
RIVER MILES 47.2 - 46.5

PLATE NUMBER
XX
SHEET 1 OF 1