



**JANUARY 28, 2021
INTERPOLATED WATER SURFACE ELEVATIONS**

MILE	WSE @ 10:00	WSE @ 12:00	LWRP 2014	LWRP DIF @ 10:00	LWRP DIF @ 12:00
45	314.73	314.82	305.11	9.62	9.71
46	315.26	315.35	305.71	9.55	9.64
47	316.00	316.09	306.32	9.68	9.77

1. SOUNDED JANUARY 28, 2021 BY BOWEN ENGINEERING AND SURVEYING.
 2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAVD 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



COMMERCE NO	HERBES, L	GRAY'S POINT, MO	CAPE GARRETT, MO	ZERO N.A.V.D. MILE	LWRP 2014	28 JAN 2021
10160	299.71	300.79	304.27	52.1	109.62	15.9516000
39.5	43.7	46.3	52.1	109.62	15.9516000	16.0123000
3012	304.61	305.81	309.62	109.62	15.9516000	16.0123000
X	X	X	X	X	X	X

U.S. ARMY ENGINEER DIVISION	Survey Date	Surveyed by	Reviewed by	Drawn by	Checked by
CORPS OF ENGINEERS	JANUARY 28, 2021	BOWEN ENGINEERING	X	X	X
ST. LOUIS, MISSOURI					
UPPER MISSISSIPPI RIVER BASIN					
MISSISSIPPI RIVER					

240 METERS
 800 FEET
 400 FEET
 0 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYING AND IS NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE U.S. ARMY CORPS OF ENGINEERS.

PRE DREDGE SURVEY
 RIVER MILES 47.0 - 45.5

PLATE NUMBER
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