



FEBRUARY 8, 2021
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 10:00	WSE @ 13:00	LWRP 2014	LWRP DIF @ 10:00	LWRP DIF @ 13:00
45	317.10	316.94	305.11	11.99	11.83
46	317.58	317.44	305.71	11.87	11.73
47	318.25	318.12	306.32	11.93	11.80

1. SOUNDED FEBRUARY 8, 2021 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



COMMERCE NO	HEBES, L	GRAY'S POINT, MO	DATE
10160	299.71	300.79	01/16/20
19.5	44.3	46.3	02/11/21
3012	304.61	305.81	02/12/21
X	304.61	305.81	02/12/21

Survey Date	Reviewed by	Checked by
FEBRUARY 8, 2021	X	X

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

PRE DREDGE SURVEY
RIVER MILES 47.0 - 45.5

PLATE NUMBER
XX