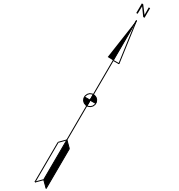


1. SOUNDED AUGUST 25, 2020 BY BOWEN ENGINEERING AND SURVEYING.
 2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83). COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
 3. VERTICAL DATUM IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- Depths shown are below 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



AUGUST 25, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 11:00	WSE @ 9:00	LWRP 2014	LWRP DIF @ 9:00	LWRP DIF @ 11:00
1	287.97	287.71	279.91	8.06	7.80
2	288.53	288.27	280.38	8.15	7.89
3	289.10	288.85	280.82	8.28	8.03
4	289.66	289.43	281.25	8.41	8.18



WSE @ MILE 0 ESTIMATED USING THE SLOPE FROM THOMPSON LANDING TO BRIGGS POINT (APPROX. -0.57 FEET/MILE).

PRECED. LANDING	THOMPSON LANDING	BRIGGS POINT	CHD RIVER (EST)
208.95	279.03	273.91	0.0
282	282	280.38	279.41
284.38	284.38	281.40	281.40
X	X	X	X

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

Survey Date: AUGUST 25, 2020

Drawn by: X
Reviewed by: X
Submitted: X
Approved: X

File name: PRE DREDGE SURVEY PACKAGE

PRE DREDGE SURVEY
RIVER MILES 3.2 - 1.5

Scale: 1" = 400 FEET

Scale: 1" = 100 METERS