



SEPTEMBER 3, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 10:00	WSE @ 12:00	LWRP 2014	LWRP DIF @ 10:00	LWRP DIF @ 12:00
185.3	399.34	399.50	395.64	3.70	3.86
194.2	399.36	399.52	395.81	3.55	3.71

WATER SURFACE ELEVATION CALCULATIONS WERE COMPLETED BY TRANSFERRING THE L&D 27 UPPER GAGE READING TO MILE 194.2 (THE CONFLUENCE OF THE MISSISSIPPI RIVER MAIN CHANNEL AND THE UPPER END OF THE CHAIN OF ROCKS CANAL).

1. SOUNDED SEPTEMBER 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



MILE	MEL PRICE L&D TW	CHAIN OF ROCKS UPPER	L&D 27 UPPER
185.3	395.04	313.58	349.49
LWRP 2014	399.30	390.1 (OLD CHANNEL)	395.64
03 SEP 2020	5.00(BD) 5.01(20)	X	49.85(BD) 50.01(20)

U.S. ARMY ENGINEER DIVISION	Survey Date	SEPTEMBER 3, 2020
CORPS OF ENGINEERS	Drawn by	BOWEN ENGINEERING
ST. LOUIS, MISSOURI	Checked by	X
UPPER MISSISSIPPI RIVER BASIN	Reviewed by	X
MISSISSIPPI RIVER	APPROVED:	X
	Plot date:	09/03/2020
	File name:	194302001.dwg

60 METERS
 200 0 200 400 FEET
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYING AND IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF THE U.S. ARMY CORPS OF ENGINEERS.

PRE DREDGE SURVEY
 RIVER MILES 194.2 - 193.2