



US Army Corps of Engineers
St. Louis District

COMMERCE NO	HEBES, L
10160	299.71
19.5	43.7
3012	304.61
X	9.1810(00) 9.3611(50)

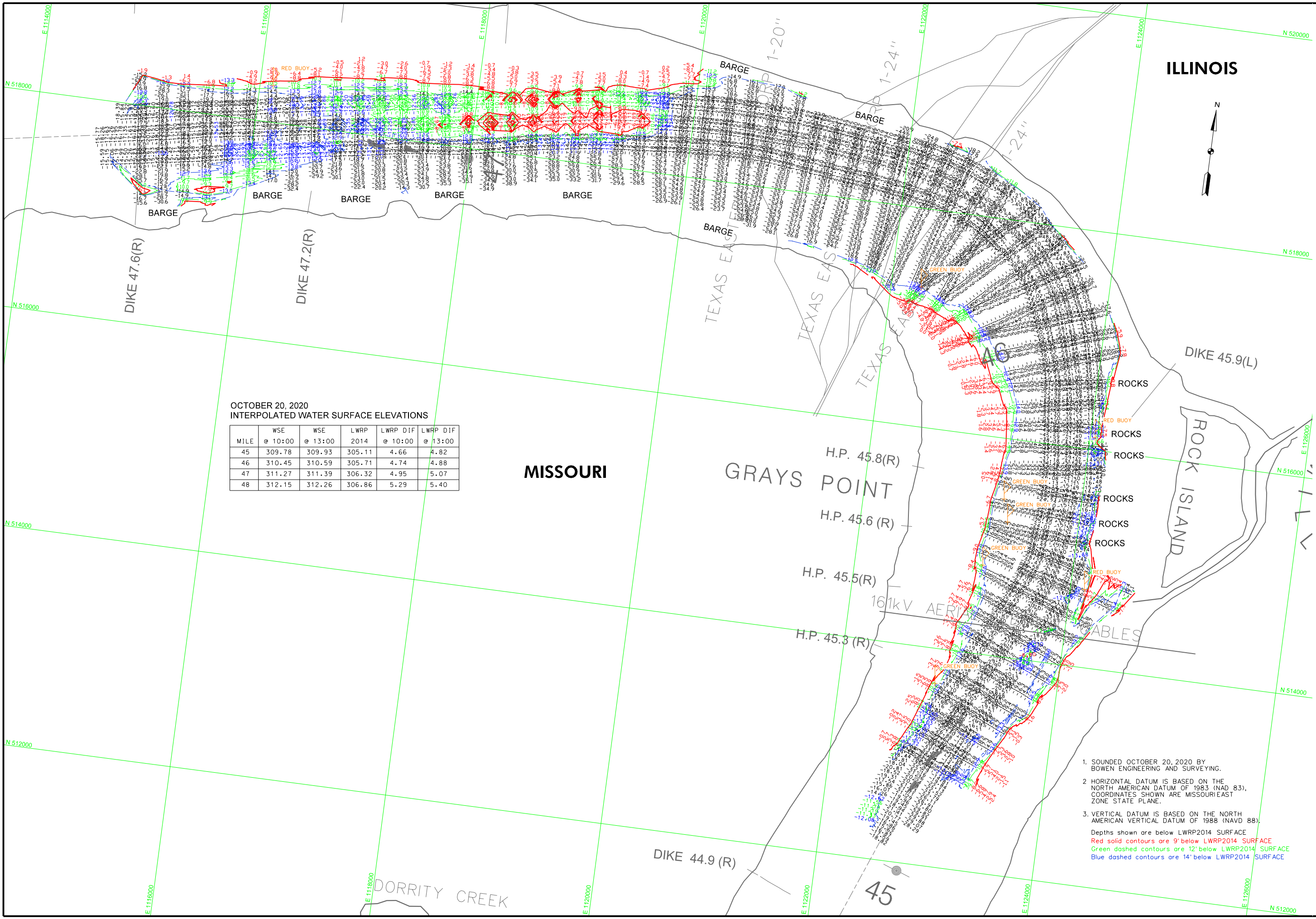
Survey Date: OCTOBER 20, 2020	Drawn by: X	Reviewed by: X	Checked by: X
Submitted: X	Approved: X	Plot date: #DATE/TIME/###	

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

PRE DREDGE SURVEY
RIVER MILES 47.5 - 45.2

PLATE NUMBER
XX
SHEET 1 OF 1



OCTOBER 20, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 10:00	WSE @ 13:00	LWRP 2014	LWRP DIF @ 10:00	LWRP DIF @ 13:00
45	309.78	309.93	305.11	4.66	4.82
46	310.45	310.59	305.71	4.74	4.88
47	311.27	311.39	306.32	4.95	5.07
48	312.15	312.26	306.86	5.29	5.40

- SOUNDED OCTOBER 20, 2020 BY BOWEN ENGINEERING AND SURVEYING.
 - HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83). COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
 - 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

