

DECEMBER 2, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 10:30	WSE @ 12:30	LWRP 2014	LWRP DIF @ 10:30	LWRP DIF @ 12:30
136	364.84	364.86	353.87	10.97	10.99
137	365.34	365.35	354.33	11.01	11.02
138	365.84	365.85	354.72	11.12	11.13

1. SOUNDED DECEMBER 2, 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

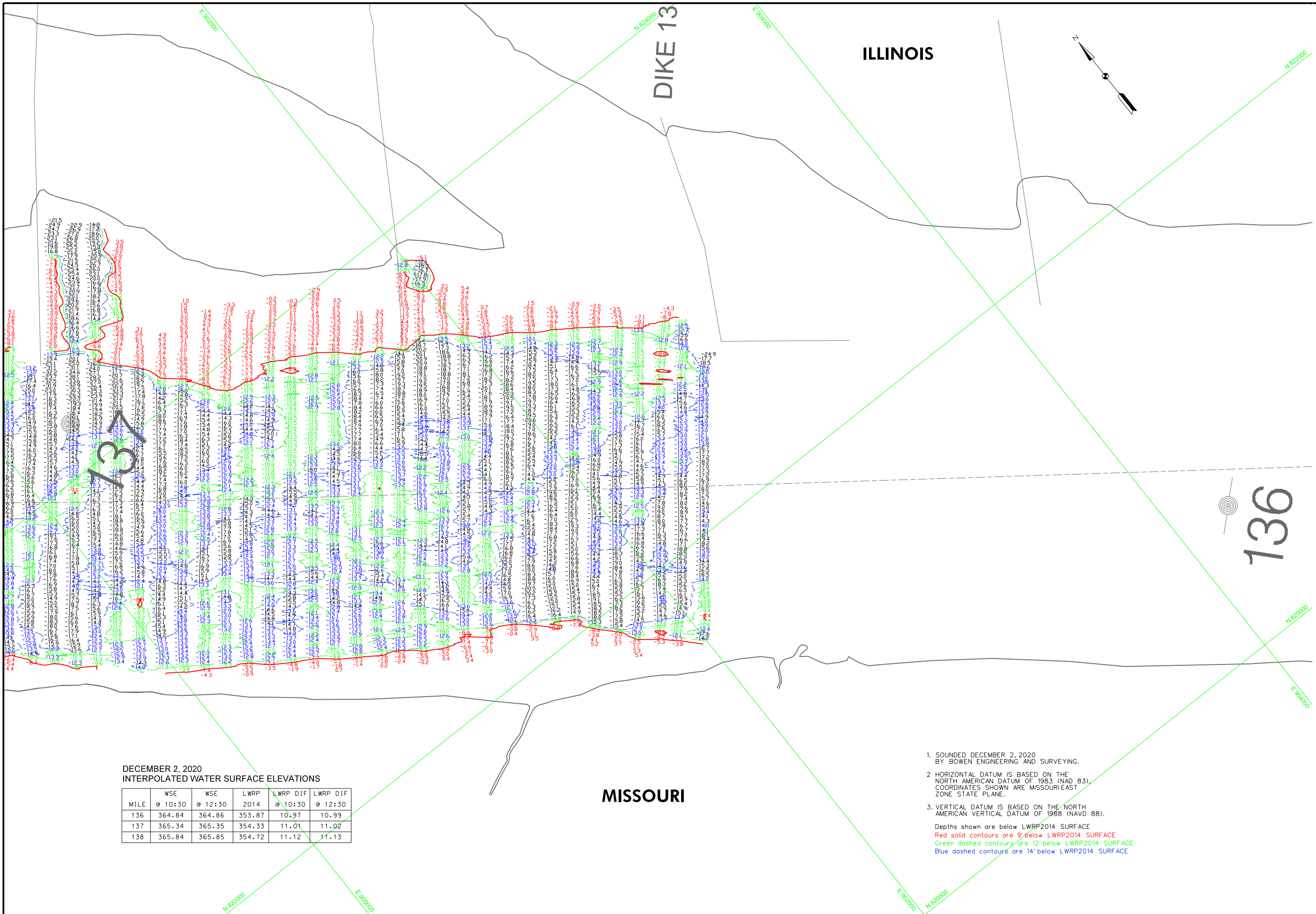


CASE RECORD			
ST. LOUIS, MO	CHESTER I.L.		
180 27 LOWER	JEFFERSON BARRACKS		
ZERO N.A.V.D.	349.49	377.34	340.73
MILE	985.1	988.7	991.9
LWRP 2014	376.38	369.63	340.33
02 DEC 2020	X	X	X
7,200(30) 7,172(30)			11,000(30) 11,412(30)

U.S. ARMY ENGINEER DIVISION CORPS OF ENGINEERS ST. LOUIS, MISSOURI		Survey Date: DECEMBER 2, 2020	
UPPER MISSISSIPPI RIVER BASIN	MISSISSIPPI RIVER	Drawn by: X	Reviewed by: X
		Submitted: X	Approved: X
Plot date: 08/02/2020 08:58:58		File name: 18027LOWER.BAR	

120 METERS
60
0
200
400 FEET


THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY CONDUCTED UNDER THE GENERAL CONDITIONS SET FORTH IN THE PRE DREDGE SURVEY RIVER MILES 137.6 - 136.5



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US Army Corps
of Engineers
St. Louis District

DATE	BY	REVIEWED BY	DATE
02 DEC 2020	X	X	

PROJECT	DATE	BY	REVIEWED BY
UPPER MISSISSIPPI RIVER BASIN	DECEMBER 2, 2020	X	X

PROJECT	DATE	BY	REVIEWED BY
UPPER MISSISSIPPI RIVER BASIN	DECEMBER 2, 2020	X	X

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

PRE DREDGE SURVEY
RIVER MILES 137.6 - 136.5

PLATE NUMBER
XX
SHEET 2 OF 2