



1. SOUNDED NOVEMBER 11, 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

NOVEMBER 11, 2020  
 INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 9:30	WSE @ 11:00	LWRP 2014	LWRP DIF @ 9:30	LWRP DIF @ 11:00
74	328.30	328.27	321.79	6.51	6.48
75	328.83	328.80	322.04	6.79	6.76
76	329.37	329.33	322.50	6.87	6.83



US Army Corps of Engineers  
 St. Louis District

RED ROCK LANDING, MO	CAPE RECORD	CAPE GRADEAL NO
328.38	321.43	304.27
94.1	81.9	92.1
330.69	325.33	309.62
X	11.099' SD (10.311' HD)	10.859' SD (10.851' HD)
	12.719' SD (11.911' HD)	

Surveyed by:	Survey Date:	Reviewed by:	Checked by:
BOWEN ENGINEERING	NOVEMBER 11, 2020	X	X
Drawn by:	Reviewed by:	Approved:	Plot date:
X	X	X	##/##/## (MM/DD/YY)

U.S. ARMY ENGINEER DIVISION  
 CORPS OF ENGINEERS  
 ST. LOUIS, MISSOURI  
 UPPER MISSISSIPPI RIVER BASIN  
 MISSISSIPPI RIVER

1" = 240 METERS  
 4" = 800 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A PRELIMINARY SURVEY AND IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE EXPRESS WRITTEN CONSENT OF THE U.S. ARMY ENGINEER DIVISION.

PRE DREDGE SURVEY  
 RIVER MILES 75.4 - 74.4

PLATE NUMBER  
 XX  
 SHEET 1 OF 1