


SEPTEMBER 5, 2020  
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 11:00	WSE @ 14:00	LWRP 2014	LWRP DIF @ 11:00	LWRP DIF @ 14:00
57	320.93	320.97	312.45	8.48	8.52
58	321.43	321.47	313.01	8.42	8.46
59	321.93	321.97	313.58	8.35	8.39

1. SOUNDED SEPTEMBER 5, 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



**US Army Corps of Engineers**  
St. Louis District

GAGE RECORD	HERBES, L	GRAYS POINT, MO	299.71
MECCASIN SPRINGS, MO	304.37	300.79	43.7
ZERO N.A.V.D. MILE	52.1	46.3	304.61
LWRP 2014	309.62	305.81	X
05 SEP 2020	12.25(1100) 13.50(1400) 14.21(1500) 14.21(1600)		X

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Surveyed by: **BOWEN ENGINEERING**

Drawn by: X

SUBMITTED: X

Survey Date: **SEPTEMBER 5, 2020**

Reviewed by: X

APPROVED: X

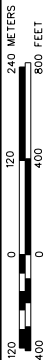
File name: #885015E (10/18/19)

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

UPPER MISSISSIPPI RIVER BASIN  
MISSISSIPPI RIVER

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PRE DREDGE SURVEY

RIVER MILES 59.0 - 57.8

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PLATE NUMBER

XX

SHEET 1 OF 1