

DECEMBER 30, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

| MILE | WSE @ 11:00 | WSE @ 14:30 | LWRP 2014 | LWRP DIF @ 11:00 | LWRP DIF @ 14:30 |
|------|-------------|-------------|-----------|------------------|------------------|
| 128 | 352.60 | 352.63 | 350.09 | 2.51 | 2.54 |
| 129 | 353.11 | 353.14 | 350.64 | 2.47 | 2.50 |
| 130 | 353.62 | 353.65 | 351.15 | 2.47 | 2.50 |

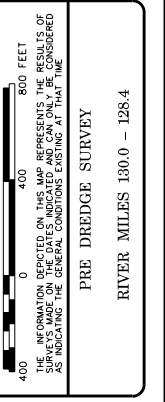
1. SOUNDED DECEMBER 30, 2020 BY BOWEN ENGINEERING AND SURVEYING.
 2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83). COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
 3. VERTICAL DATUM IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- Depths shown are below 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

| ST. LOUIS, MO | JEFFERSON BARBARAS BRICKEY'S LANDING, MO | CHESTER, IL |
|--------------------------------------|--|------------------------|
| ZERO N.A.V.D. MILE | 180.0 | 140.73 |
| LWRP 2014 | 376.38 | 357.38 |
| 30 DEC 2020 -0.51(MSD) -0.31(M) (SD) | 369.83 | 349.9 |
| | 353.83 | 340.33 |
| | UNAVAILABLE | 2.66(MSD) 2.55(M) (SD) |

| U.S. ARMY ENGINEER DIVISION CORPS OF ENGINEERS ST. LOUIS, MISSOURI | UPPER MISSISSIPPI RIVER BASIN MISSISSIPPI RIVER |
|--|--|
| Surveyed by: BOWEN ENGINEERING | Survey Date: DECEMBER 30, 2020 |
| Drawn by: X | Reviewed by: X |
| SUBMITTED: X | APPROVED: X |
| File name: PRE DREDGE SURVEY | Plot date: 08/01/2024 |



PRE DREDGE SURVEY
RIVER MILES 130.0 - 128.4

PLATE NUMBER
XX