



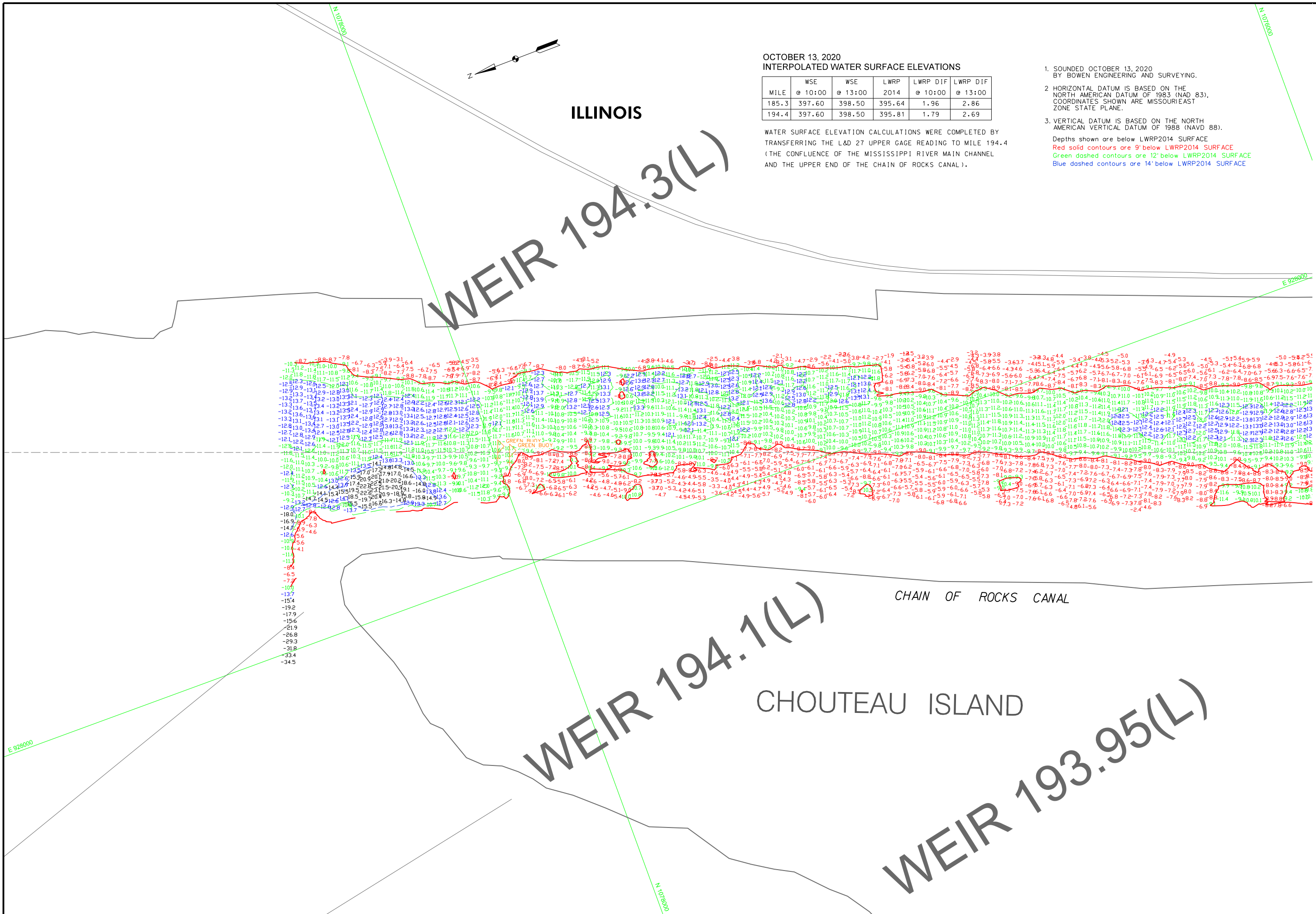
US Army Corps of Engineers  
St. Louis District

OCTOBER 13, 2020  
INTERPOLATED WATER SURFACE ELEVATIONS

| MILE  | WSE @ 10:00 | WSE @ 13:00 | LWRP 2014 | LWRP DIF @ 10:00 | LWRP DIF @ 13:00 |
|-------|-------------|-------------|-----------|------------------|------------------|
| 185.3 | 397.60      | 398.50      | 395.64    | 1.96             | 2.86             |
| 194.4 | 397.60      | 398.50      | 395.81    | 1.79             | 2.69             |

WATER SURFACE ELEVATION CALCULATIONS WERE COMPLETED BY TRANSFERRING THE L&D 27 UPPER GAGE READING TO MILE 194.4 (THE CONFLUENCE OF THE MISSISSIPPI RIVER MAIN CHANNEL AND THE UPPER END OF THE CHAIN OF ROCKS CANAL).

1. SOUNDED OCTOBER 13, 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



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PLATE NUMBER  
XX  
SHEET 1 OF 2



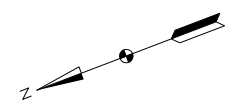
US Army Corps of Engineers  
St. Louis District

OCTOBER 13, 2020  
INTERPOLATED WATER SURFACE ELEVATIONS

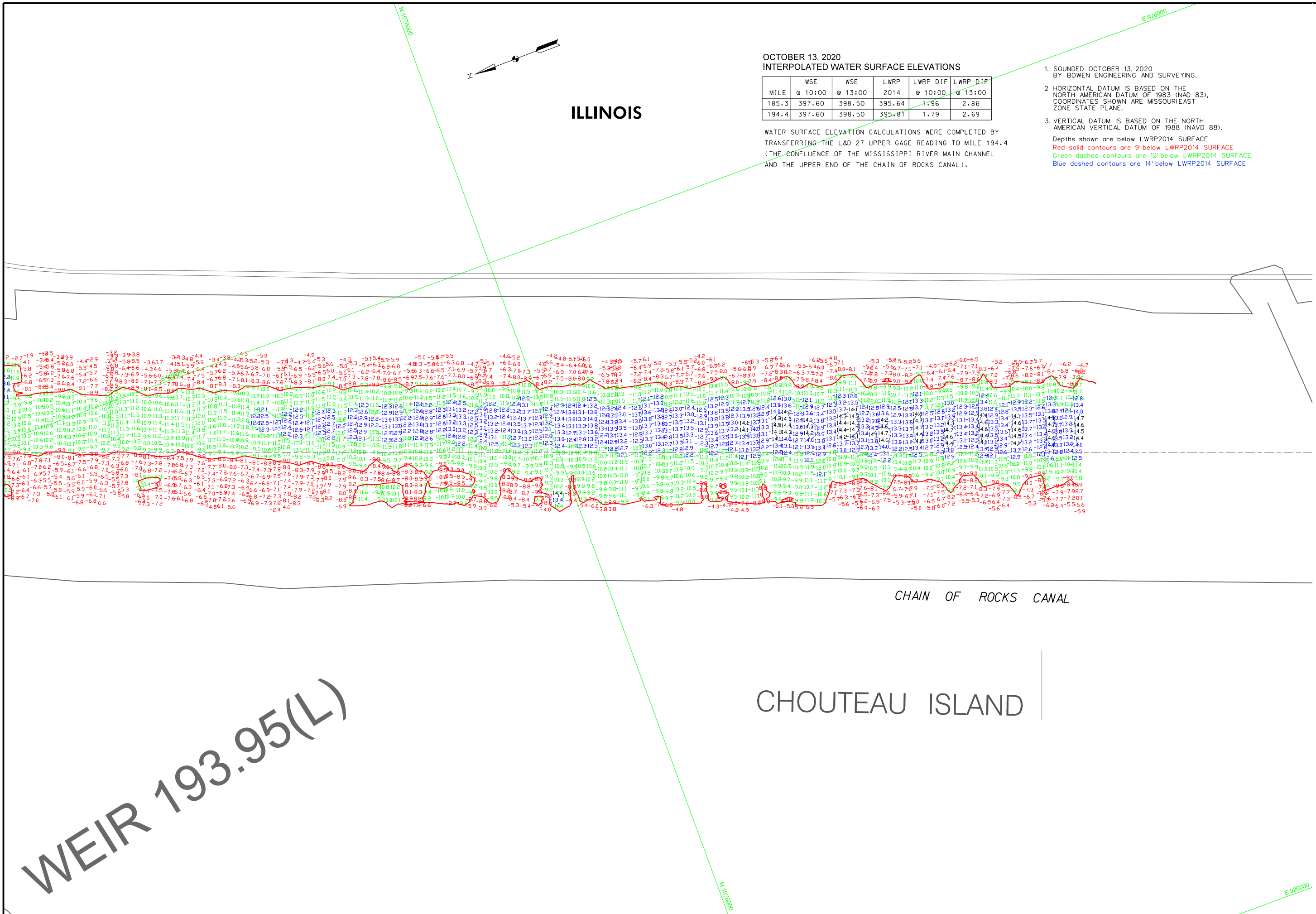
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ILLINOIS



WEIR 193.95(L)

CHAIN OF ROCKS CANAL

CHOUTEAU ISLAND

| GAGE RECORD   | MEL PRICE L&D TW     | CHAIN OF ROCKS UPPER | L&D 27 UPPER          |
|---------------|----------------------|----------------------|-----------------------|
| ZERO N.A.V.D. | 395.04               | 313.58               | 349.49                |
| MILE          | 200.5                | 190.1 (OLD CHANNEL)  | 185.3                 |
| LWRP 2014     | 396.30               | X                    | 395.64                |
| 13 OCT 2020   | 4.010(00) 3.81(1500) | X                    | 48.11(000) 49.01(500) |

| Survey Date:      | Reviewed by: |
|-------------------|--------------|
| OCTOBER 13, 2020  | X            |
| Drawn by:         | Reviewed by: |
| BOWEN ENGINEERING | X            |
| Submitted:        | Approved:    |
| X                 | X            |

| U.S. ARMY ENGINEER DIVISION   | PRE DREDGE SURVEY         |
|-------------------------------|---------------------------|
| CORPS OF ENGINEERS            | RIVER MILES 194.0 - 193.5 |
| ST. LOUIS, MISSOURI           |                           |
| UPPER MISSISSIPPI RIVER BASIN |                           |
| MISSISSIPPI RIVER             |                           |

PLATE NUMBER  
XX  
SHEET 2 OF 2

60 METERS  
100  
200 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 REPORT.

E 926000