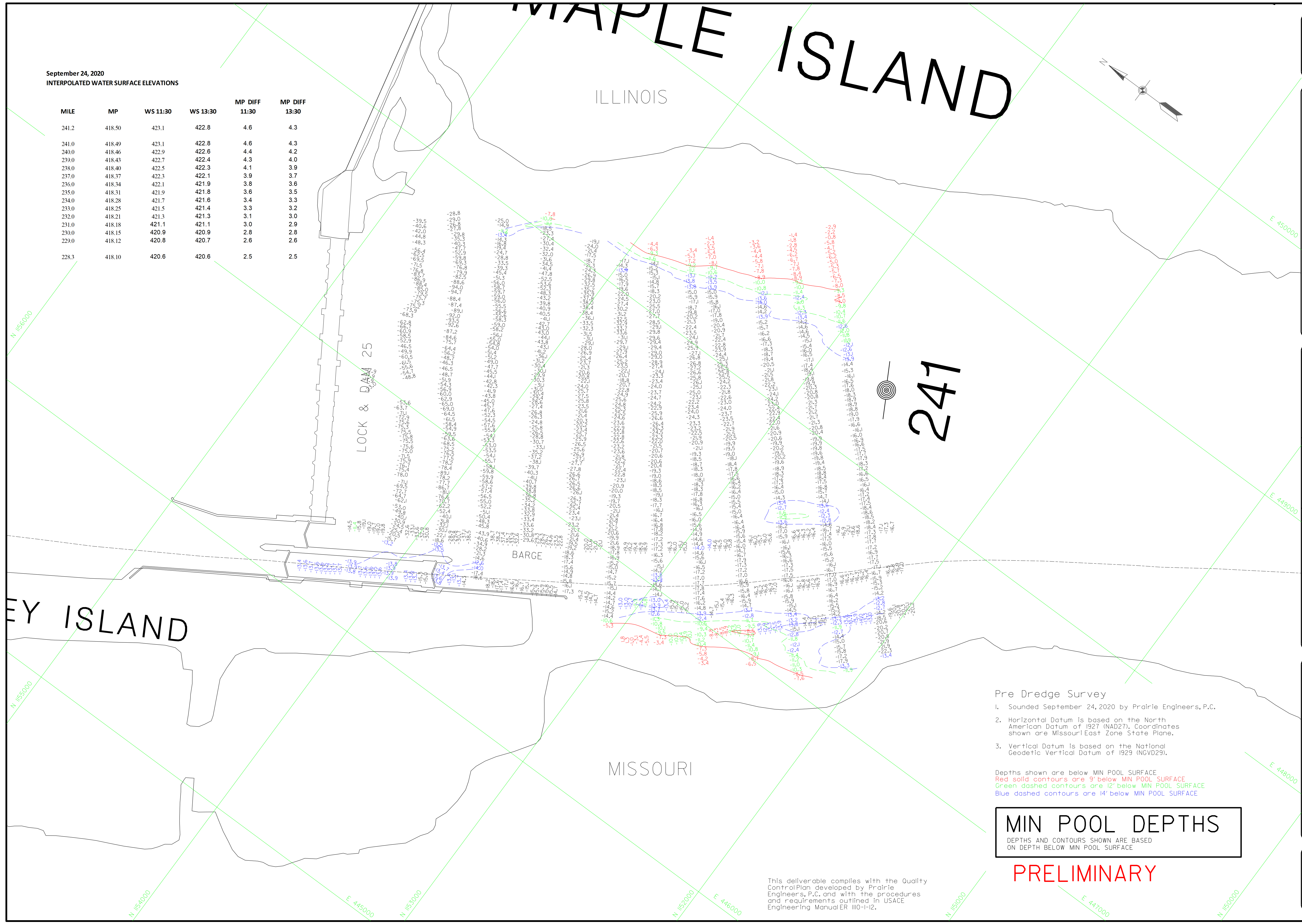


September 24, 2020  
INTERPOLATED WATER SURFACE ELEVATIONS

| MILE  | MP     | WS 11:30 | WS 13:30 | MP DIFF 11:30 | MP DIFF 13:30 |
|-------|--------|----------|----------|---------------|---------------|
| 241.2 | 418.50 | 423.1    | 422.8    | 4.6           | 4.3           |
| 241.0 | 418.49 | 423.1    | 422.8    | 4.6           | 4.3           |
| 240.0 | 418.46 | 422.9    | 422.6    | 4.4           | 4.2           |
| 239.0 | 418.43 | 422.7    | 422.4    | 4.3           | 4.0           |
| 238.0 | 418.40 | 422.5    | 422.3    | 4.1           | 3.9           |
| 237.0 | 418.37 | 422.3    | 422.1    | 3.9           | 3.7           |
| 236.0 | 418.34 | 422.1    | 421.9    | 3.8           | 3.6           |
| 235.0 | 418.31 | 421.9    | 421.8    | 3.6           | 3.5           |
| 234.0 | 418.28 | 421.7    | 421.6    | 3.4           | 3.3           |
| 233.0 | 418.25 | 421.5    | 421.4    | 3.3           | 3.2           |
| 232.0 | 418.21 | 421.3    | 421.3    | 3.1           | 3.0           |
| 231.0 | 418.18 | 421.1    | 421.1    | 3.0           | 2.9           |
| 230.0 | 418.15 | 420.9    | 420.9    | 2.8           | 2.8           |
| 229.0 | 418.12 | 420.8    | 420.7    | 2.6           | 2.6           |
| 228.3 | 418.10 | 420.6    | 420.6    | 2.5           | 2.5           |



| GAGE RECORD |               |
|-------------|---------------|
| DIXON LANG. | 401.6         |
| ZERO NGVD   | 407.0         |
| MIN POOL    | 485           |
| DATE        | 24 SEP 2020   |
| FILE        | 422.8 (11:30) |
| SCALE       | 422.8 (13:30) |

|                                 |  |
|---------------------------------|--|
| Survey Date: September 24, 2020 | Submitted: Chief, Engr. Data Mngt. Sect. |
| Drawn by: JLM                   | Reviewed by: Chief, Geospatial Branch    |
| File: 241220.mxd                | Plot Date: 9/25/2020                     |
| Plot Scale: 1"=200'             |  |

|                                       |                               |
|---------------------------------------|-------------------------------|
| Supervised by: PRAIRIE ENGINEERS      | U.S. ARMY ENGINEER DIVISION   |
| Drawn by: JLM                         | CORPS OF ENGINEERS            |
| Reviewed by: Chief, Geospatial Branch | ST. LOUIS, MISSOURI           |
| APPROVED:                             | UPPER MISSISSIPPI RIVER BASIN |
|                                       | MISSISSIPPI RIVER             |

|   |          |
|---|----------|
| 60 METERS   | 200 FEET |
| 0   | 400 FEET |
| THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY CONDUCTED UNDER THE GENERAL CONDITIONS EXISTING AT THAT TIME. |          |
| PRE DREDGE SURVEY   |          |
| MILE: 241.5-241.0   |          |

- Pre Dredge Survey
- Sounded September 24, 2020 by Prairie Engineers, P.C.
  - Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Missouri East Zone State Plane.
  - Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE  
 Red solid contours are 9' below MIN POOL SURFACE  
 Green dashed contours are 12' below MIN POOL SURFACE  
 Blue dashed contours are 14' below MIN POOL SURFACE

**MIN POOL DEPTHS**  
 DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

**PRELIMINARY**

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

PLATE NUMBER  
01