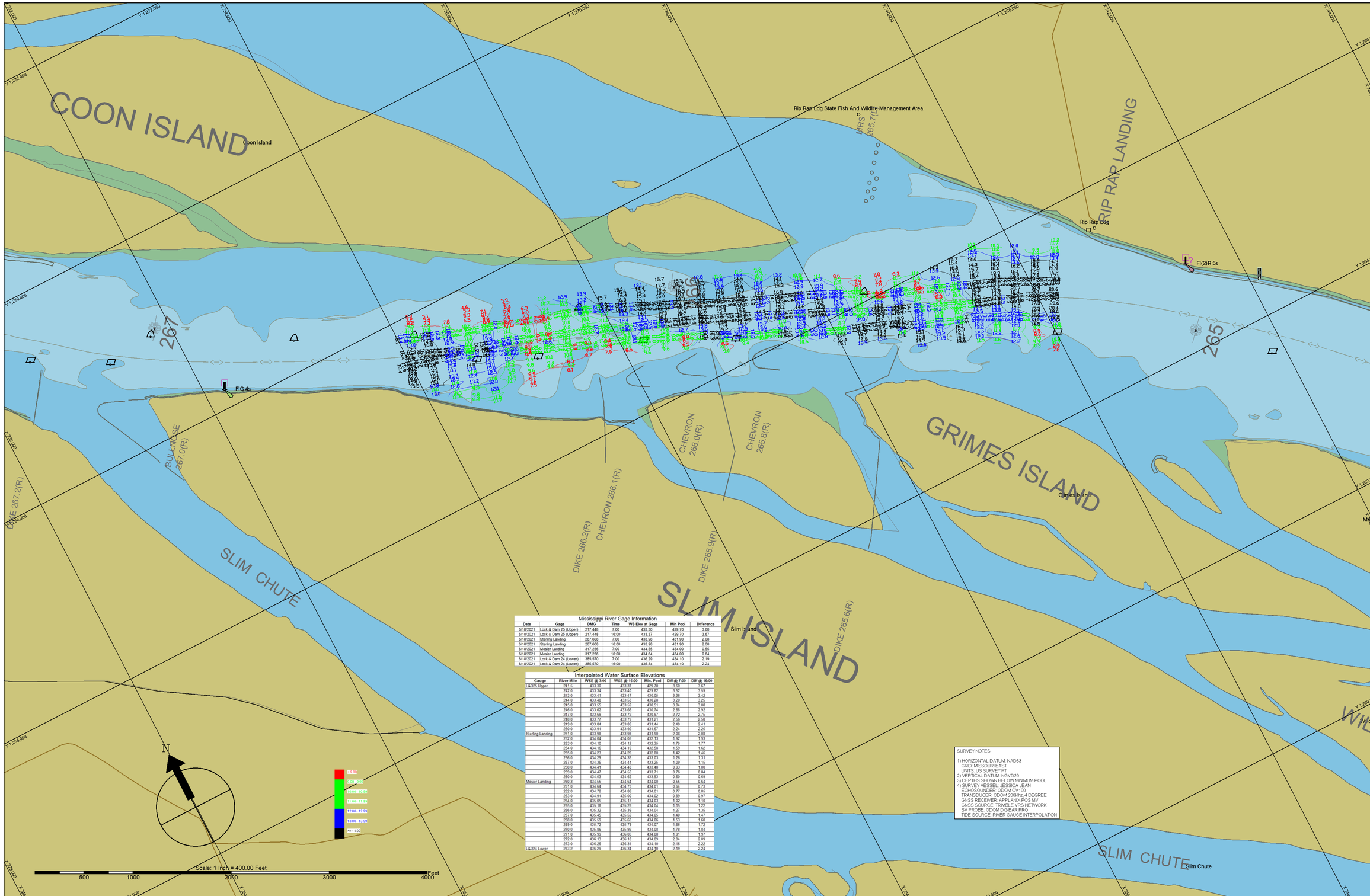


Mississippi River Gage Information

| Date | Gage | DMG | Time | WS Elev at Gage | Min Pool | Difference |
|---|---|---|---|---|---|---|
| 6/18/2021 | Lock & Dam 25 (Upper) | 217.448 | 7:00 | 433.30 | 429.70 | 3.60 |
| 6/18/2021 | Lock & Dam 25 (upper) | 217.448 | 16:00 | 433.37 | 429.70 | 3.67 |
| 6/18/2021 | Sterling Landing | 267.608 | 7:00 | 433.98 | 431.90 | 2.08 |
| 6/18/2021 | Sterling Landing | 267.608 | 16:00 | 433.98 | 431.90 | 2.08 |
| 6/18/2021 | Mosier Landing | 317.236 | 7:00 | 434.55 | 434.00 | 0.55 |
| 6/18/2021 | Mosier Landing | 317.236 | 16:00 | 434.64 | 434.00 | 0.64 |
| 6/18/2021 | Lock & Dam 24 (Lower) | 385.570 | 7:00 | 436.29 | 434.10 | 2.19 |
| 6/18/2021 | Lock & Dam 24 (Lower) | 385.570 | 16:00 | 436.34 | 434.10 | 2.24 |

Interpolated Water Surface Elevations

| Gauge | River Mile | WSE @ 7:00 | WSE @ 16:00 | Min. Pool | Diff @ 7:00 | Diff @ 16:00 |
|---|---|---|---|---|---|---|
| L&D25 Upper | 241.5 | 433.30 | 433.37 | 429.70 | 3.60 | 3.67 |
| | 242.0 | 433.34 | 433.40 | 429.82 | 3.52 | 3.59 |
| | 243.0 | 433.41 | 433.47 | 430.05 | 3.36 | 3.42 |
| | 244.0 | 433.48 | 433.53 | 430.28 | 3.20 | 3.25 |
| | 245.0 | 433.55 | 433.59 | 430.51 | 3.04 | 3.08 |
| | 246.0 | 433.62 | 433.66 | 430.74 | 2.88 | 2.92 |
| | 247.0 | 433.69 | 433.72 | 430.97 | 2.72 | 2.75 |
| | 248.0 | 433.77 | 433.79 | 431.21 | 2.56 | 2.58 |
| | 249.0 | 433.84 | 433.85 | 431.44 | 2.40 | 2.41 |
| | 250.0 | 433.91 | 433.92 | 431.67 | 2.24 | 2.25 |
| Sterling Landing | 251.0 | 433.98 | 433.98 | 431.90 | 2.08 | 2.08 |
| | 252.0 | 434.04 | 434.05 | 432.13 | 1.92 | 1.93 |
| | 253.0 | 434.10 | 434.12 | 432.35 | 1.75 | 1.77 |
| | 254.0 | 434.16 | 434.19 | 432.58 | 1.59 | 1.62 |
| | 255.0 | 434.23 | 434.26 | 432.80 | 1.42 | 1.46 |
| | 256.0 | 434.29 | 434.33 | 433.03 | 1.26 | 1.31 |
| | 257.0 | 434.35 | 434.41 | 433.25 | 1.09 | 1.15 |
| | 258.0 | 434.41 | 434.48 | 433.48 | 0.93 | 1.00 |
| | 259.0 | 434.47 | 434.55 | 433.71 | 0.76 | 0.84 |
| | 260.0 | 434.53 | 434.62 | 433.93 | 0.60 | 0.69 |
| Mosier Landing | 260.3 | 434.55 | 434.64 | 434.00 | 0.55 | 0.64 |
| | 261.0 | 434.64 | 434.73 | 434.01 | 0.64 | 0.73 |
| | 262.0 | 434.78 | 434.86 | 434.01 | 0.77 | 0.85 |
| | 263.0 | 434.91 | 435.00 | 434.02 | 0.89 | 0.97 |
| | 264.0 | 435.05 | 435.13 | 434.03 | 1.02 | 1.10 |
| | 265.0 | 435.18 | 435.26 | 434.04 | 1.15 | 1.22 |
| | 266.0 | 435.32 | 435.39 | 434.04 | 1.27 | 1.35 |
| | 267.0 | 435.45 | 435.52 | 434.05 | 1.40 | 1.47 |
| | 268.0 | 435.59 | 435.65 | 434.06 | 1.53 | 1.60 |
| | 269.0 | 435.72 | 435.79 | 434.07 | 1.66 | 1.72 |
| | 270.0 | 435.86 | 435.92 | 434.08 | 1.78 | 1.84 |
| | 271.0 | 435.99 | 436.05 | 434.08 | 1.91 | 1.97 |
| | 272.0 | 436.13 | 436.18 | 434.09 | 2.04 | 2.09 |
| | 273.0 | 436.26 | 436.31 | 434.10 | 2.16 | 2.22 |
| L&D24 Lower | 273.2 | 436.29 | 436.34 | 434.10 | 2.19 | 2.24 |

SURVEY NOTES:

1) HORIZONTAL DATUM: NAD83
GRID: MISSOURI EAST
UNITS: US SURVEY FT
2) VERTICAL DATUM: NGVD29
3) DEPTHS SHOWN BELOW MINIMUM POOL
4) SURVEY VESSEL: JESSICA JEAN
ECHOSOUNDER: ODOM CV100
TRANSDUCER: ODOM 200KHz, 4 DEGREE
GNSS RECEIVER: APPLANIX POS MV
GNSS SOURCE: TRIMBLE VRS NETWORK
SV PROBE: ODOM DIGIBAR PRO
TIDE SOURCE: RIVER GAUGE INTERPOLATION

St. Louis District

DATES OF SURVEY:
JUNE 18th 2021

FILE NO.: RM265.3-265.5_24-36
REQUEST NO.: ########

SCALE:
1" = 400'

FIELD BOOKS:

Approved: NAME
FIELD CARTOGRAPHER

Approved: NAME
CIVIL ENGINEERING TECHNICIAN

Approved: NAME
ASST. CHIEF OF SURVEY

Approved: NAME
CHIEF OF SURVEY

Date: JUNE 18 2021

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

SURVEYED BY:
SEAWORKS GROUP LLC
185 E MAIN ST STE. 414
BENTON HARBOR, MI 49022

UPPER MISSISSIPPI RIVER
BASIN
MISSISSIPPI RIVER

PRE DREDGE SURVEY
POOL 25, MILES 265.3-266.5

SHEET NO.

1 OF 1