



St. Louis District


**SURVEY NOTES:**

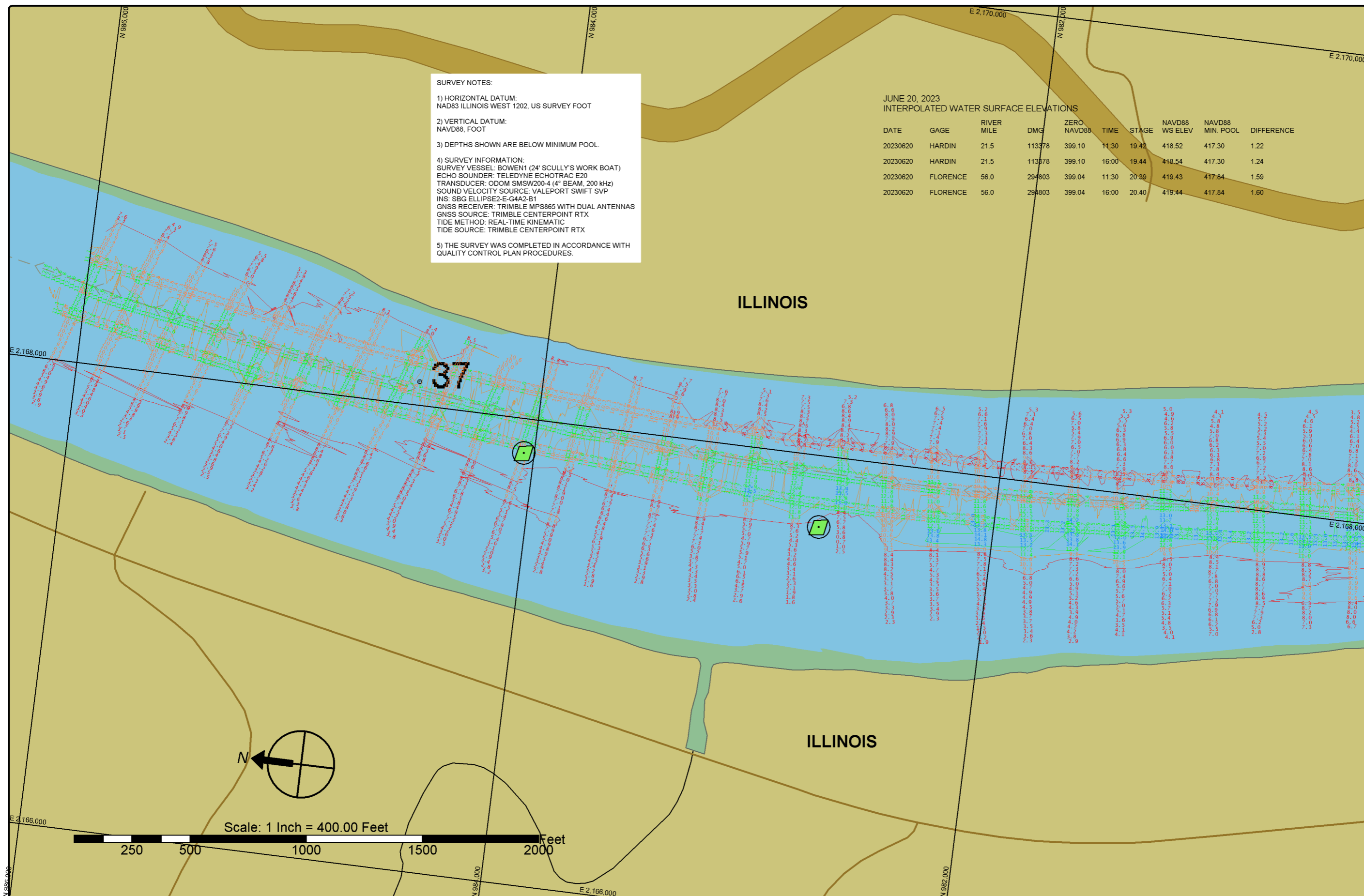
- 1) HORIZONTAL DATUM:  
NAD83 ILLINOIS WEST 1202, US SURVEY FOOT
- 2) VERTICAL DATUM:  
NAVD88, FOOT
- 3) DEPTHS SHOWN ARE BELOW MINIMUM POOL.
- 4) SURVEY INFORMATION:  
SURVEY VESSEL: BOWEN1 (24' SCULLY'S WORK BOAT)  
ECHO SOUNDER: TELEDYNE ECHOTRAC E20  
TRANSDUCER: ODOM SMSW200-4 (4° BEAM, 200 kHz)  
SOUND VELOCITY SOURCE: VALEPORT SWIFT SVP  
INS: SBG ELLIPSE2-E-G4A2-B1  
GNSS RECEIVER: TRIMBLE MPS865 WITH DUAL ANTENNAS  
GNSS SOURCE: TRIMBLE CENTERPOINT RTX  
TIDE METHOD: REAL-TIME KINEMATIC  
TIDE SOURCE: TRIMBLE CENTERPOINT RTX
- 5) THE SURVEY WAS COMPLETED IN ACCORDANCE WITH QUALITY CONTROL PLAN PROCEDURES.

**JUNE 20, 2023  
INTERPOLATED WATER SURFACE ELEVATIONS**

DATE	GAGE	RIVER MILE	DMG	ZERO NAVD88	TIME	STAGE	NAVD88 WS ELEV	NAVD88 MIN. POOL	DIFFERENCE
20230620	HARDIN	21.5	113378	399.10	11:30	19.42	418.52	417.30	1.22
20230620	HARDIN	21.5	113378	399.10	16:00	19.44	418.54	417.30	1.24
20230620	FLORENCE	56.0	294803	399.04	11:30	20.39	419.43	417.84	1.59
20230620	FLORENCE	56.0	294803	399.04	16:00	20.40	419.44	417.84	1.60

### ILLINOIS

### ILLINOIS



**DATES OF SURVEY:**  
JUNE 20, 2023  
FILE NO.: 0372023  
REQUEST NO.: W91P023P0113

**SCALE:**  
1" = 400' (ANSI B)

**FIELD BOOKS:**  
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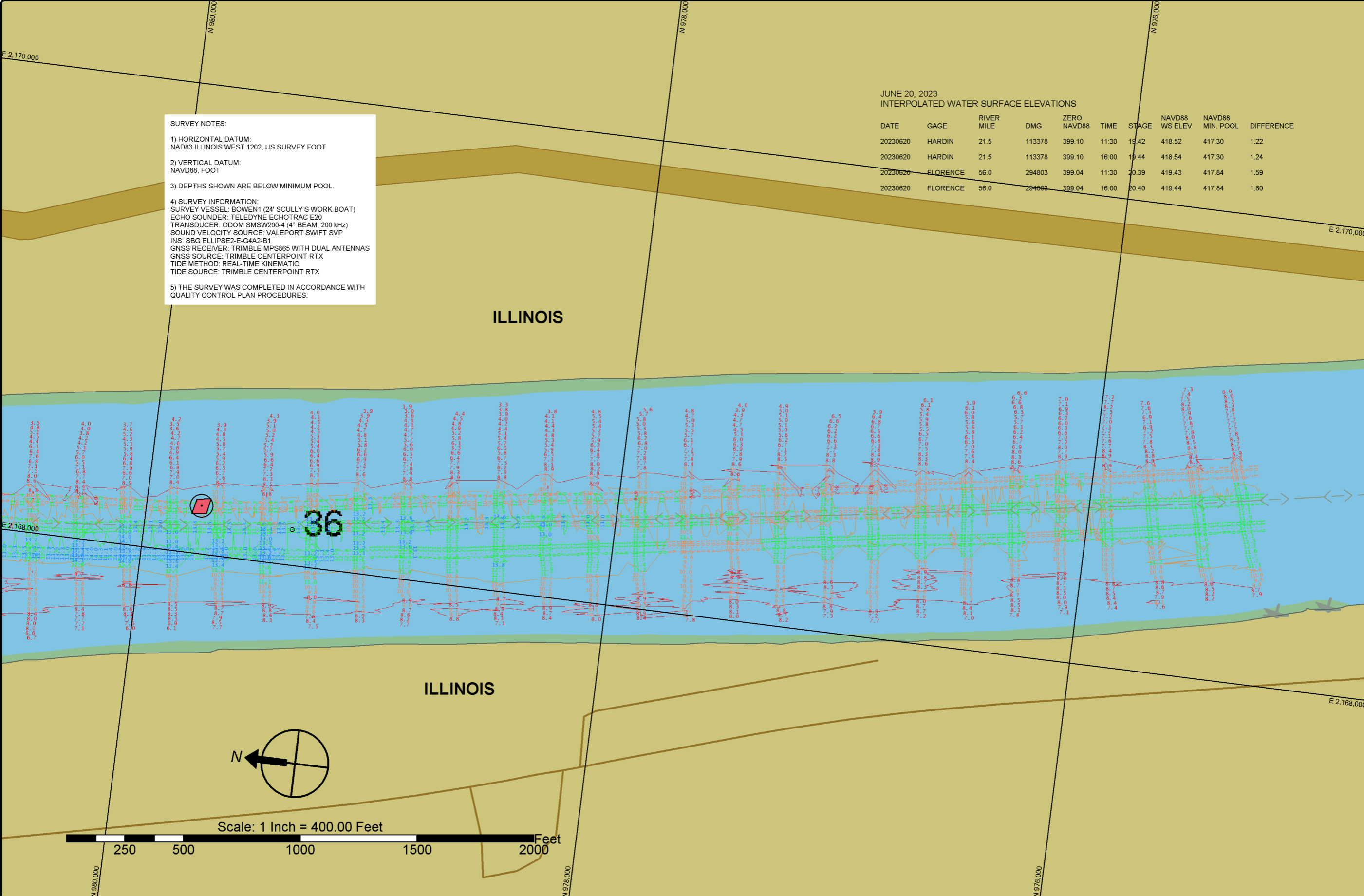
Approved: FIELD CARTOGRAPHER  
Approved: CIVIL ENGINEERING TECHNICIAN  
Approved: ASST. CHIEF OF SURVEY  
Approved: CHIEF OF SURVEY  
Date: \_\_\_\_\_

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

SURVEYED BY:  
BOWEN ENGINEERING AND SURVEYING, P.C.  
2131 MEGAN DRIVE  
CAPE GIRARDEAU, MO 63701

**UPPER MISSISSIPPI RIVER  
BASIN  
ILLINOIS RIVER  
PRE DREDGE SURVEY  
RIVER MILES 37.2 - 35.2**

**SHEET NO.**  
1 OF 2



SURVEY NOTES:  
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ILLINOIS

36

Scale: 1 Inch = 400.00 Feet



St. Louis District


<b>DATES OF SURVEY:</b> JUNE 20, 2023	<b>FILE NO.:</b> 0372023 <b>REQUEST NO.:</b> W01P023F0113
<b>SCALE:</b> 1" = 400' (ANSI B)	<b>FIELD BOOKS:</b>

<b>Approved:</b> FIELD CHARTERER <small>U.S. ARMY CORPS OF ENGINEERS ST. LOUIS DISTRICT ST. LOUIS, MISSOURI</small>	<b>Approved:</b> CIVIL ENGINEERING TECHNICIAN <small>BOWEN ENGINEERING AND SURVEYING, P.C. 2121 MEGAN DRIVE CAPE GIRARDEAU, MO 63701</small>	<b>Approved:</b> ASST. CHIEF OF SURVEY <small>DATE:</small>	<b>Approved:</b> CHIEF OF SURVEY
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UPPER MISSISSIPPI RIVER  
BASIN  
ILLINOIS RIVER  
PRE DREDGE SURVEY  
RIVER MILES 37.2 - 35.2

<b>SHEET NO.</b>	2 OF 2
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