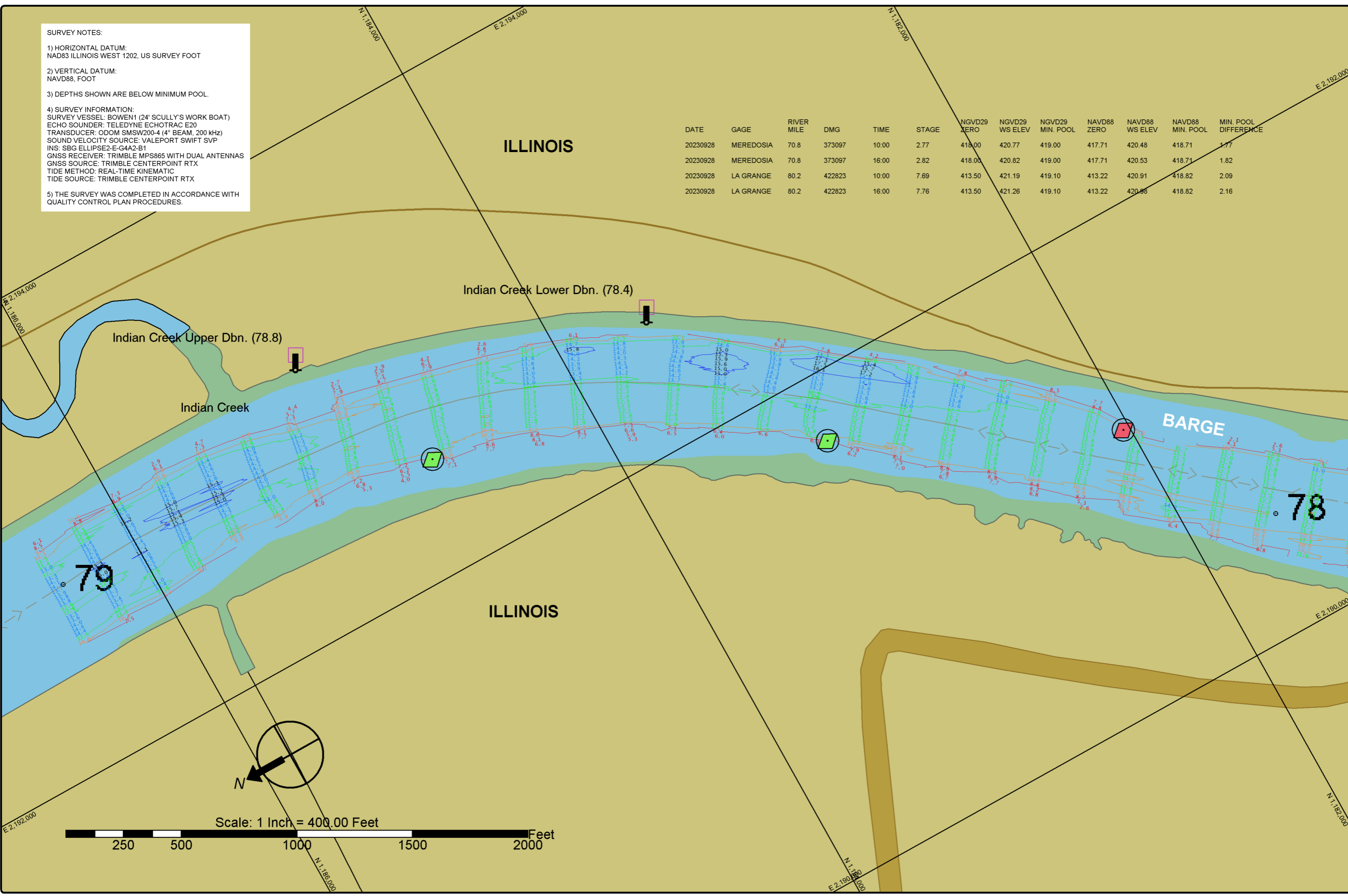


**SURVEY NOTES:**  
 1) HORIZONTAL DATUM:  
 NAD83 ILLINOIS WEST 1202, US SURVEY FOOT  
 2) VERTICAL DATUM:  
 NAVD88, FOOT  
 3) DEPTHS SHOWN ARE BELOW MINIMUM POOL.  
 4) SURVEY INFORMATION:  
 SURVEY VESSEL: BOWEN1 (24' SCULLY'S WORK BOAT)  
 ECHO SOUNDER: TELEDYNE ECHOTRAC E20  
 TRANSDUCER: ODOM 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.

DATE	GAGE	RIVER MILE	DMG	TIME	STAGE	NGVD29 ZERO	NGVD29 WS ELEV	NGVD29 MIN. POOL	NAVD88 ZERO	NAVD88 WS ELEV	NAVD88 MIN. POOL	MIN. POOL DIFFERENCE
20230928	MEREDOSIA	70.8	373097	10:00	2.77	418.00	420.77	419.00	417.71	420.48	418.71	1.77
20230928	MEREDOSIA	70.8	373097	16:00	2.82	418.00	420.82	419.00	417.71	420.53	418.71	1.82
20230928	LA GRANGE	80.2	422823	10:00	7.69	413.50	421.19	419.10	413.22	420.91	418.82	2.09
20230928	LA GRANGE	80.2	422823	16:00	7.76	413.50	421.26	419.10	413.22	420.88	418.82	2.16




**DATES OF SURVEY:**  
 SEPTEMBER 28, 2023  
**FILE NO.:** 0781823  
**REQUEST NO.:** W01P023F0113

**SCALE:**  
 1" = 400' (ANSI B)  
**FIELD BOOKS:**  
 \_\_\_\_\_

**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  
 POST DREDGE SURVEY  
 RIVER MILES 79.0 - 77.0**

**SHEET NO.**  
 1 OF 2

