



St. Louis District

DATE OF SURVEY:
OCTOBER 23, 2023

SCALE:
1" = 400' (ANSI B)

FIELD BOOKS:

FILE NO.: 036J2323
TASK NO.: W912P923F0113

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

UPPER MISSISSIPPI
RIVER BASIN
ILLINOIS RIVER

SHEET NO.
1 OF 2

SURVEYED BY:
BOWEN ENGINEERING & SURVEYING, P.C.
2121 MEGAN DRIVE, CAPE GIRARDEAU, MO

POST DREDGE SURVEY
RIVER MILES 36.7 - 35.2

APPROVED: _____
FIELD CARTOGRAPHER

APPROVED: _____
CIVIL ENGINEERING TECH.

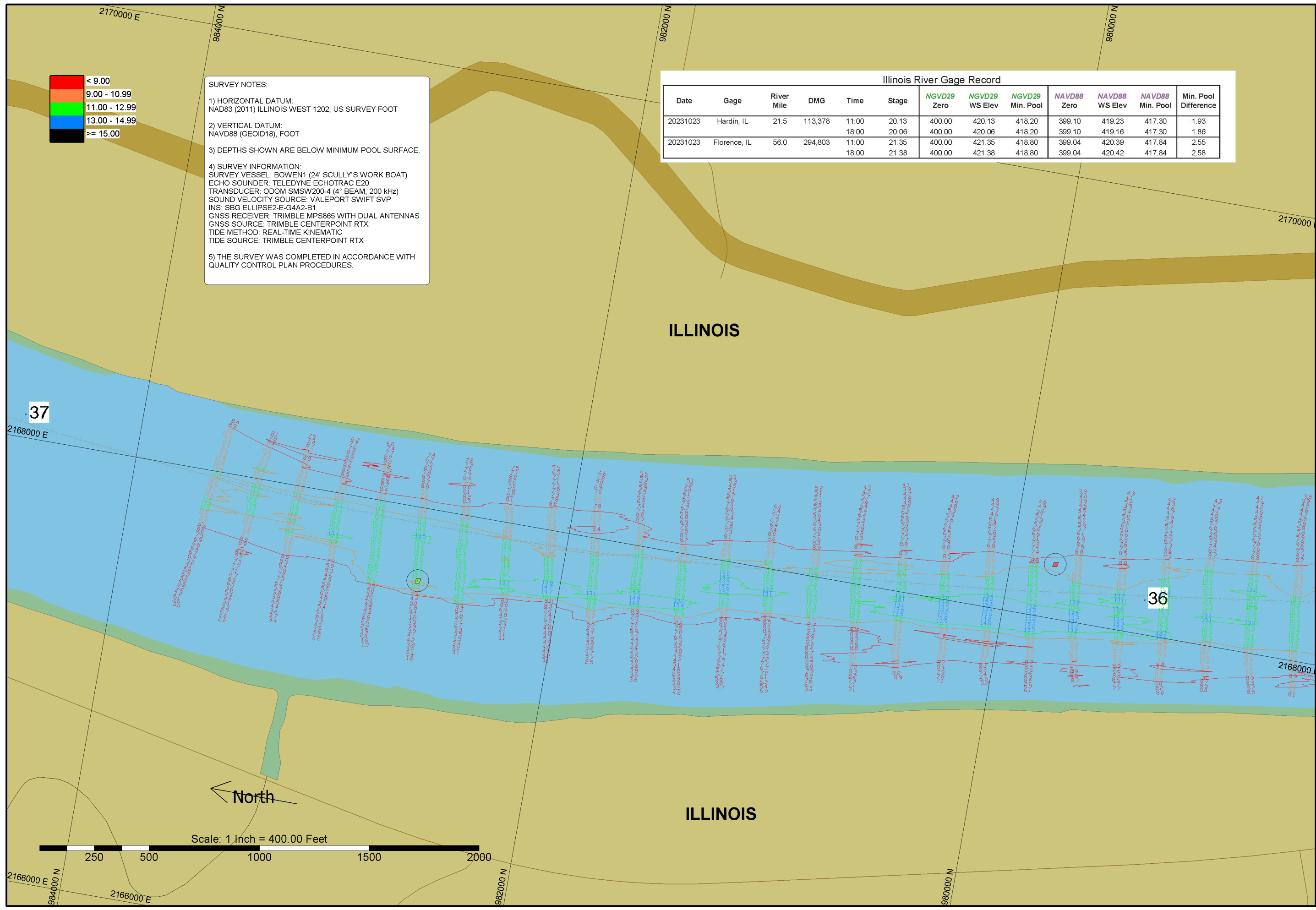
APPROVED: _____
ASST. CHIEF OF SURVEY

APPROVED: _____
CHIEF OF SURVEY

Illinois River Gage Record												
Date	Gage	River Mile	DMG	Time	Stage	NGVD29	NGVD29	NGVD29	NAVD88	NAVD88	NAVD88	Min. Pool Difference
						Zero	WS Elev	Min. Pool	Zero	WS Elev	Min. Pool	
20231023	Hardin, IL	21.5	113,378	11:00	20.13	400.00	420.13	418.20	399.10	419.23	417.30	1.93
				18:00	20.06	400.00	420.06	418.20	399.10	419.16	417.30	1.86
20231023	Florence, IL	56.0	294,803	11:00	21.35	400.00	421.35	418.80	399.04	420.39	417.84	2.55
				18:00	21.38	400.00	421.38	418.80	399.04	420.42	417.84	2.58

SURVEY NOTES:

- HORIZONTAL DATUM:
NAD83 (2011) ILLINOIS WEST 1202, US SURVEY FOOT
- VERTICAL DATUM:
NAVD88 (GEOID18), FOOT
- DEPTHS SHOWN ARE BELOW MINIMUM POOL SURFACE.
- 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
- THE SURVEY WAS COMPLETED IN ACCORDANCE WITH QUALITY CONTROL PLAN PROCEDURES.

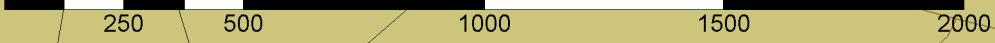


ILLINOIS

ILLINOIS

North

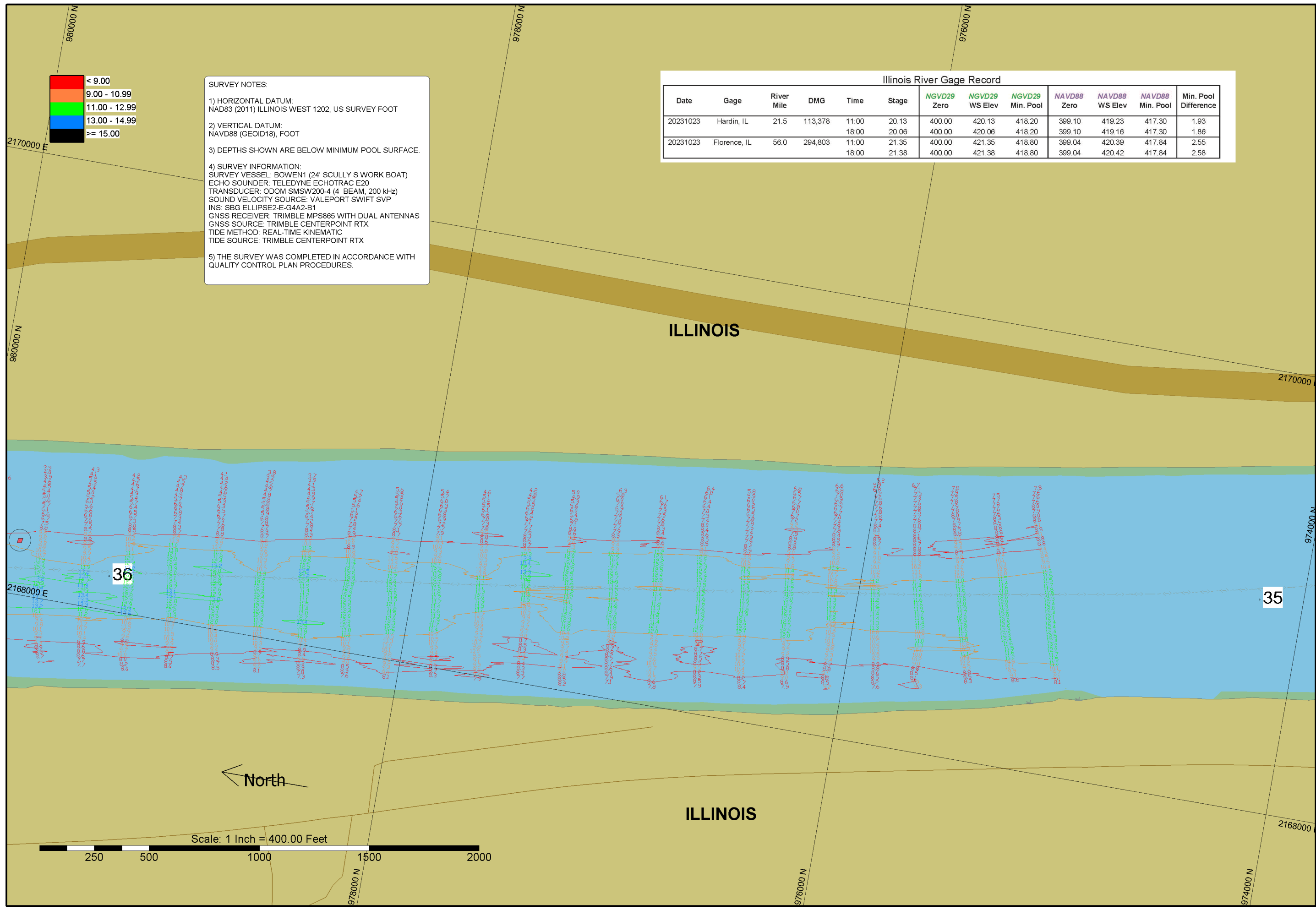
Scale: 1 Inch = 400.00 Feet



2166000 E 984000 N 2166000 E 984000 N 982000 N 980000 N 2170000 E 984000 N 2170000 E 980000 N



St. Louis District



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