SURVEY NOTES:

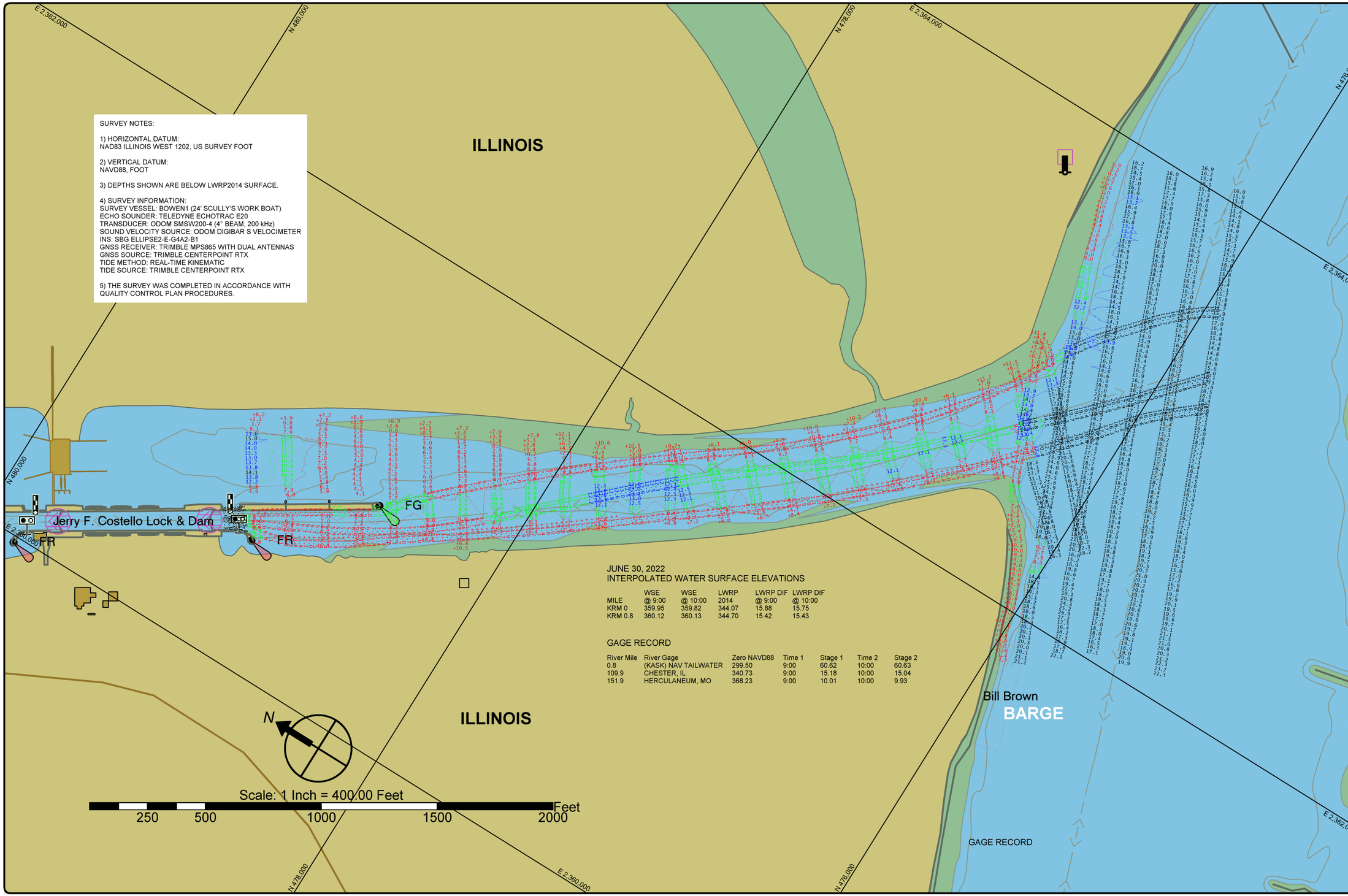
1) HORIZONTAL DATUM:
NAD83 ILLINOIS WEST 1202, US SURVEY FOOT

2) VERTICAL DATUM:
NAVD88, FOOT

3) DEPTHS SHOWN ARE BELOW LWRP2014 SURFACE.

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: ODOM DIGIBAR S VELOCIMETER
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 30, 2022
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 9:00	WSE @ 10:00	LWRP 2014	LWRP DIF @ 9:00	LWRP DIF @ 10:00
KRM 0	359.95	359.82	344.07	15.88	15.75
KRM 0.8	360.12	360.13	344.70	15.42	15.43

GAGE RECORD

River Mile	River Gage	Zero NAVD88	Time 1	Stage 1	Time 2	Stage 2
0.8	(KASK) NAV TAILWATER	299.50	9:00	60.62	10:00	60.63
109.9	CHESTER, IL	340.73	9:00	15.18	10:00	15.04
151.9	HERCULANEUM, MO	368.23	9:00	10.01	10:00	9.93

St. Louis District

DATES OF SURVEY:
JUNE 30, 2022

FILE NO.: 000F3022
REQUEST NO.: W912P92 1F0138

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.
2121 MEGAN DRIVE
CAPE GIRARDEAU, MO 63701

UPPER MISSISSIPPI RIVER BASIN
KASKASKIA RIVER

PRE DREDGE SURVEY
RIVER MILES 0.8 - 0.0

SHEET NO.
1 OF 1