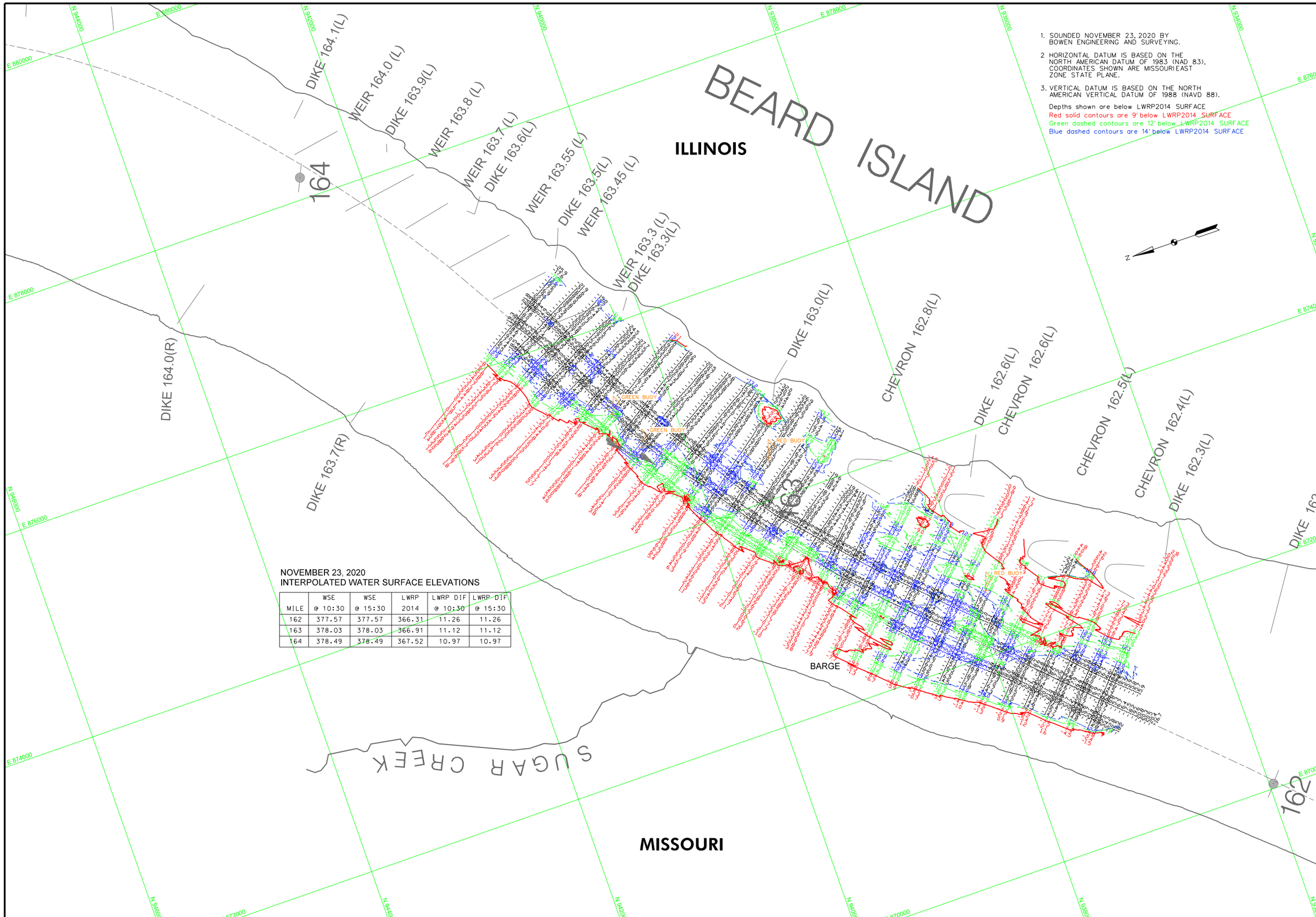

1. SOUNDED NOVEMBER 23, 2020 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83), COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

Depths shown are below LWRP2014 SURFACE
Red solid contours are 9' below LWRP2014 SURFACE
Green dashed contours are 12' below LWRP2014 SURFACE
Blue dashed contours are 14' below LWRP2014 SURFACE

NOVEMBER 23, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 10:30	WSE @ 15:30	LWRP 2014	LWRP DIF @ 10:30	LWRP DIF @ 15:30
162	377.57	377.57	366.31	11.26	11.26
163	378.03	378.03	366.91	11.12	11.12
164	378.49	378.49	367.52	10.97	10.97

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	ST. LOUIS, MO	JEFFERSON BARRACKS	BRICKEY'S LANDING, MO	CHESTER, IL
ZERO N.A.V.D.	379.58	377.34	357.38	340.73
MILE	180.0	168.70	136.0	109.9
LWRP 2014	376.38	369.63	353.83	340.33
23 NOV 2020	6.77(10:30) 6.72(15:30)	3.31(14:00)	UNAVAILABLE	12.96(10:30) 12.96(15:30)

Surveyed by: BOWEN ENGINEERING
Survey Date: NOVEMBER 23, 2020
Drawn by: X
Reviewed by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
File name: [illegible]
Plot date: [illegible]

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

UPPER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER

120 0 120 240 METERS
400 0 400 800 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PRE DREDGE SURVEY

RIVER MILES 163.4 – 162.4

PLATE NUMBER
XX
SHEET 1 OF 1