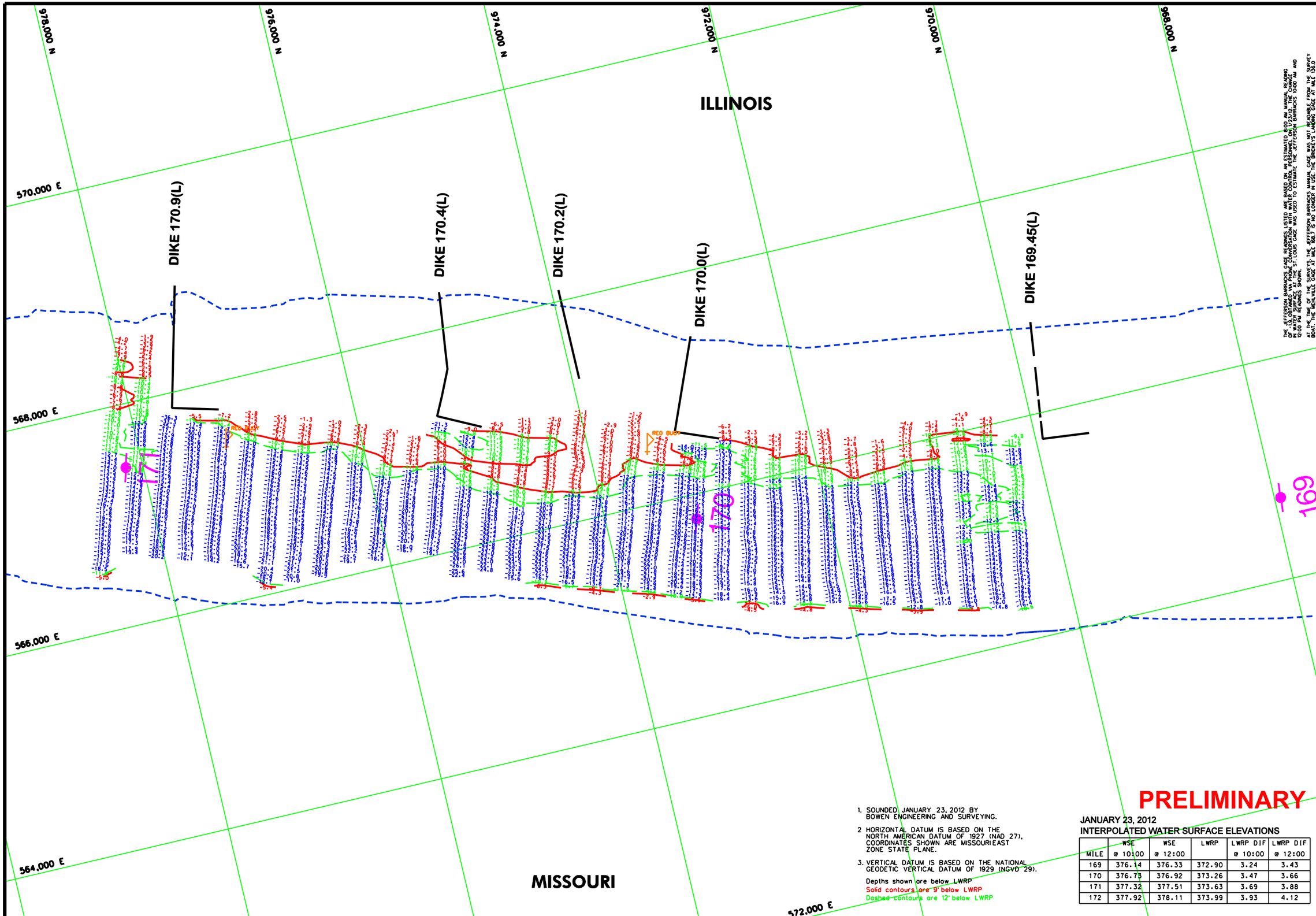

THE JEFFERSON BARRACKS GAGE READINGS LISTED ARE BASED ON AN ESTIMATED 8:00 AM MANUAL READING OF -1.13' OBTAINED VIA PHONE CONVERSATION WITH WATER CONTROL PERSONNEL ON 1/24/12. THE CHANGE IN WATER SURFACE AT THE ST. LOUIS GAGE WAS USED TO ESTIMATE THE JEFFERSON BARRACKS 10:00 AM AND 12:00 PM READINGS.

AT THE TIME OF THE SURVEY'S, THE JEFFERSON BARRACKS MANUAL GAGE WAS NOT READABLE FROM THE SURVEY BOAT. THE MICHAEL GAGE AT MILE 169.7 IS NO LONGER IN USE. THE BROCKE'S LANDING GAGE AT MILE 136.0 WAS MALFUNCTIONING.

1. SOUNDED JANUARY 23, 2012 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below LWRP
Solid contours are 9' below LWRP
Dashed contours are 12' below LWRP

PRELIMINARY

JANUARY 23, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 10:00	WSE @ 12:00	LWRP	LWRP DIF @ 10:00	LWRP DIF @ 12:00
169	376.14	376.33	372.90	3.24	3.43
170	376.73	376.92	373.26	3.47	3.66
171	377.32	377.51	373.63	3.69	3.88
172	377.92	378.11	373.99	3.93	4.12

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	JEFFERSON BARRACKS	ST. LOUIS, MO
ZERO N.G.V.D.	377.69	379.94
MLE	168.7	179.6
L. W. R. P.	372.8	376.4
23 JAN 2012	-1.13(10:00) -1.54(12:00)	2.48(10:00) 2.67(12:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (L.W.R.P.) 154,000 C.F.S.

Surveyed by: BOWEN ENGINEERING
Survey Date: JANUARY 23, 2012
Drawn by: x
Reviewed by: x
Ckd by: x
SUBMITTED: JAMES L. KEIM
Chief, Engr. Data Mngt. Sect.
APPROVED: x
Chief, Geospatial Branch
File name: ##MISSISSIPPIRIVER##
Plot date: ##MISSISSIPPIRIVER##

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS
120 0 120
400 0 400
800 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF THE SURVEY MADE ON THE DATE SHOWN, AND IS PRESENTED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PRE DREDGE SURVEY

RIVER MILES: 171.0 - 169.5

PLATE NUMBER
XX