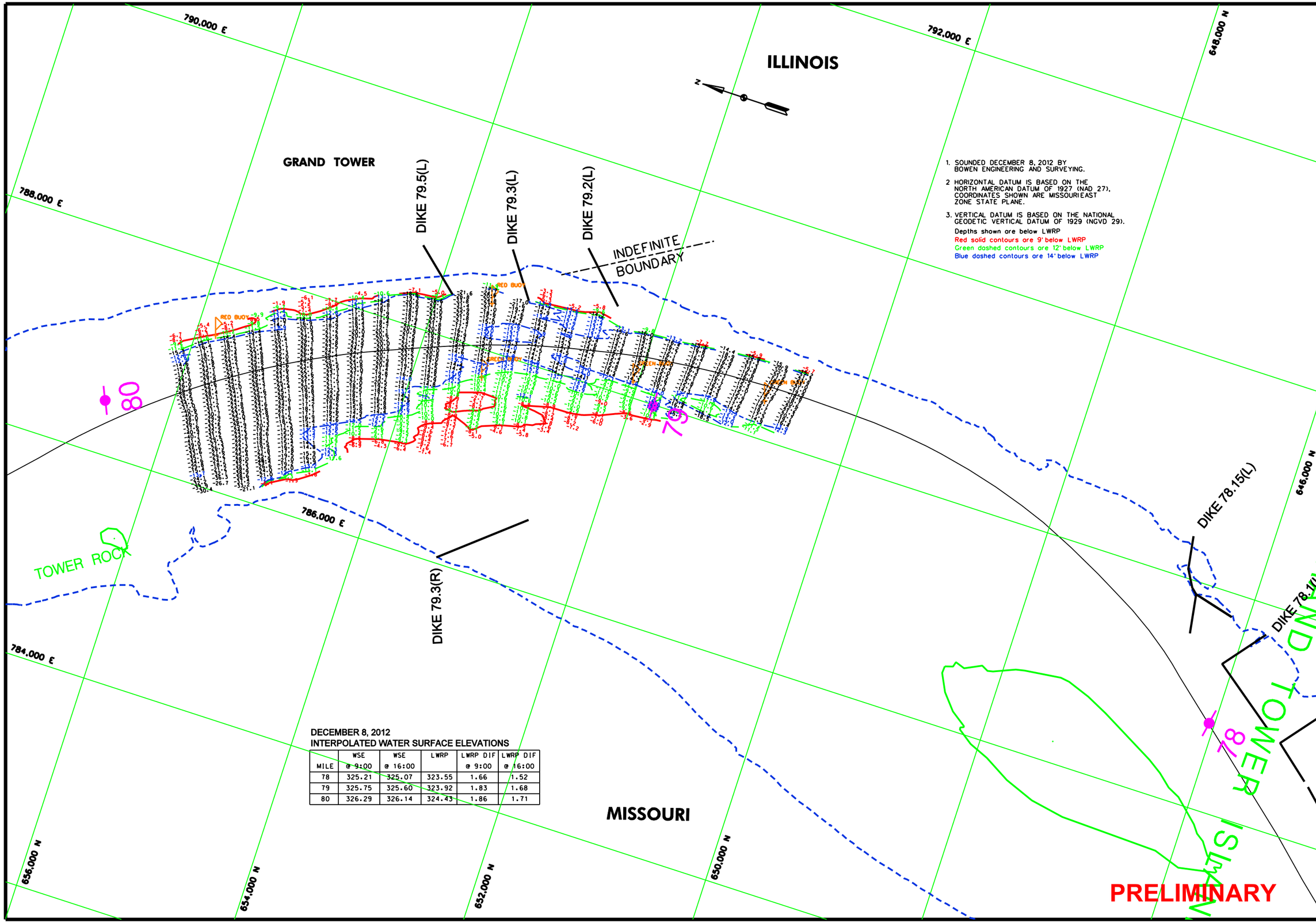

1. SOUNDED DECEMBER 8, 2012 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

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

DECEMBER 8, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 9:00	WSE @ 16:00	LWRP	LWRP DIF @ 9:00	LWRP DIF @ 16:00
78	325.21	325.07	323.55	1.66	1.52
79	325.75	325.60	323.92	1.83	1.68
80	326.29	326.14	324.43	1.86	1.71

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	CAPE GIRARDEAU, MO	MOCCASIN SPRINGS, MO	GRAND TOWER, IL
ZERO N.G.V.D.	304.65	313.89	321.93
MILE	52.1	66.3	81.9
L. W. R. P.	309.9	317.8	325.3
08 DEC 2012	6.8719-001	6.6818-001	4.8859-001	4.8616-001	5.3919-001	5.2416-001

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1954-57 LOW WATER REFERENCE PLANE (L.W.R.P.) (4.000 C.F.S.)

Surveyed by: BOWEN ENGINEERING
Survey Date: DECEMBER 8, 2012
Drawn by: x
Ckd by: x
Reviewed by: x
SUBMITTED: x
APPROVED: x
Plot date: MMMDDYYYY/HHMMMM
File name: MMMDDYYYYHHMMMM\FILENAME\SECTIONNNN

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

0 120 400 0 240 METERS 800 FEET

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

PRE DREDGE SURVEY
RIVER MILES 79.8 – 78.7

PLATE NUMBER
XX