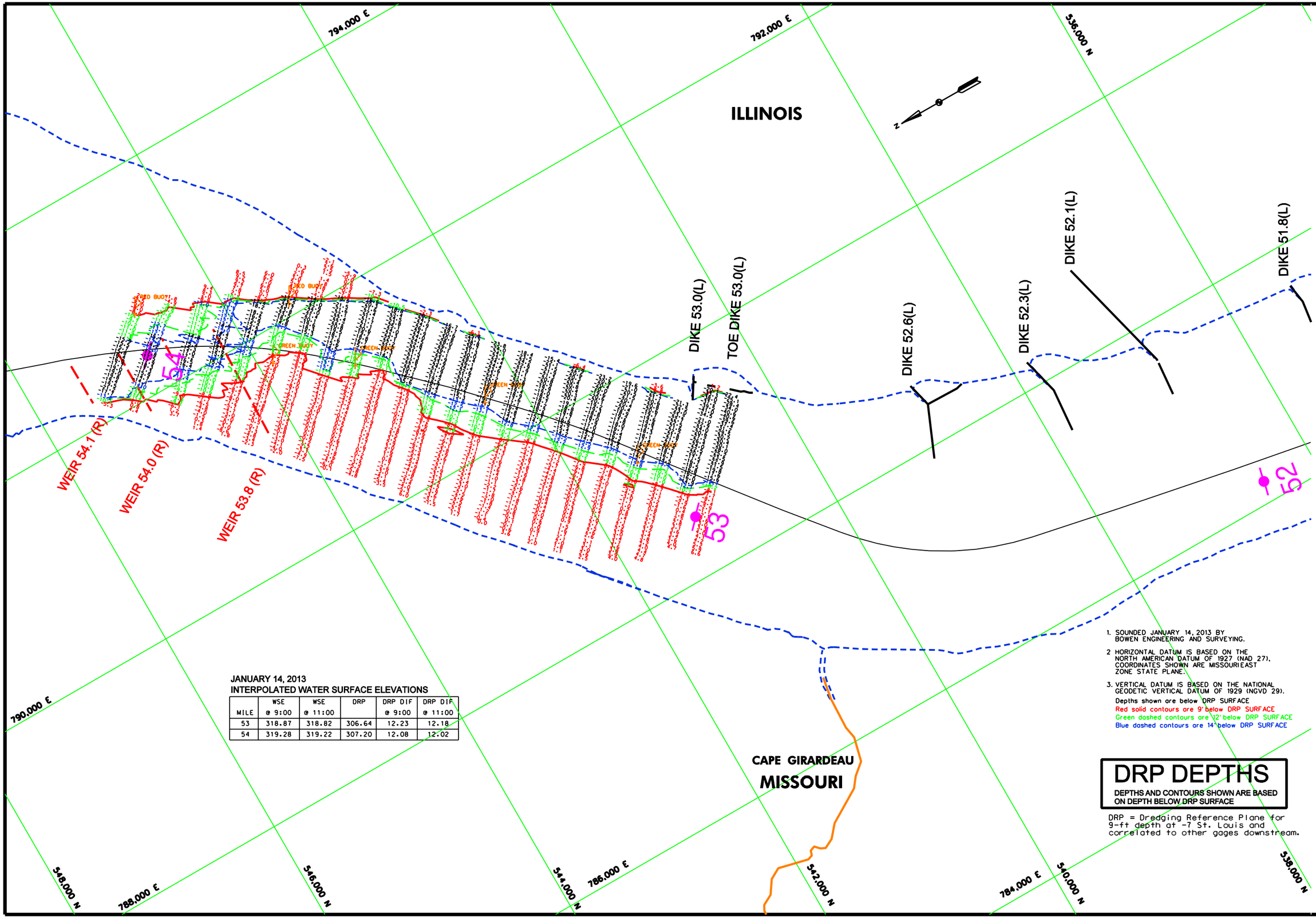

JANUARY 14, 2013
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 9:00	WSE @ 11:00	DRP	DRP DIF @ 9:00	DRP DIF @ 11:00
53	318.87	318.82	306.64	12.23	12.18
54	319.28	319.22	307.20	12.08	12.02

1. SOUNDED JANUARY 14, 2013 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 DRP SURFACE
Red solid contours are 9' below DRP SURFACE
Green dashed contours are 12' below DRP SURFACE
Blue dashed contours are 14' below DRP SURFACE

DRP DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW DRP SURFACE

DRP = Dredging Reference Plane for 9-ft depth at -7 St. Louis and correlated to other gages downstream.

US Army Corps of Engineers
St. Louis District

GAGE RECORD		
	CAPE GIRARDEAU, MO	MOCCASIN SPRINGS, MO
ZERO N.G.V.D.	304.65	313.89
MILE	52.1	66.3
L. W. R. P.	309.9	317.8
14 JAN 2013	13.859(001) 13.801h(00)	10.429(00) 10.341h(00)

ELEVATIONS ARE REFERED TO N.G.V.D. - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (L.W.R.P.) (54.000 C.F.S.)

Surveyed by: BOWEN ENGINEERING
Survey Date: JANUARY 14, 2013
Drawn by: x
Ckd by: x
Reviewed by: x
SUBMITTED: x
APPROVED: x
Plot date: MMMDDYYYY/HH:MMAM
File name: MMDDSSCNPLEBRPCFCATCHMMM

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS
800 FEET
120 0 120
0 400 400
THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE ON THE DATE SHOWN AND IS PRESENTED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PRE DREDGE SURVEY
RIVER MILES 54.0 - 53.0

PLATE NUMBER
XX