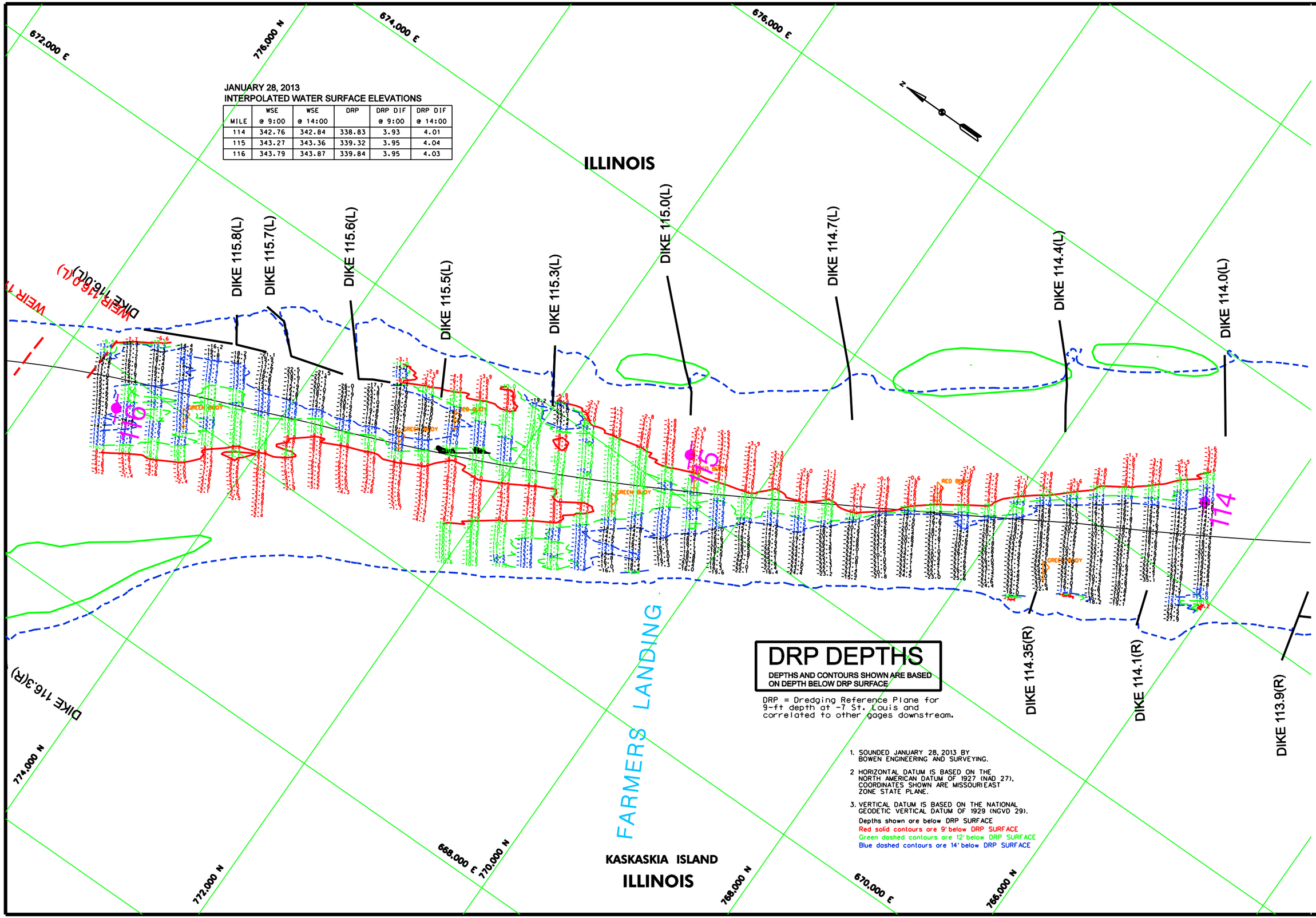

JANUARY 28, 2013
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 9:00	WSE @ 14:00	DRP	DRP DIF @ 9:00	DRP DIF @ 14:00
114	342.76	342.84	338.83	3.93	4.01
115	343.27	343.36	339.32	3.95	4.04
116	343.79	343.87	339.84	3.95	4.03

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.

1. SOUNDED JANUARY 28, 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

US Army Corps of Engineers
St. Louis District

GAGE RECORD			
	CHESTER, IL	BROCKEYS LANDING, MO	ST. LOUIS, MO
ZERO N.G.V.D.	341.05	357.78	379.94
MILE	109.9	136.0	179.6
L. W. R. P.	340.4	356.2	376.4
28 JAN 2013	-0.409(-00)	-3.313H-001	-3.709(-00)
		-3.613H-001	-3.709(-00)
			-3.451H-001

ELEVATIONS ARE REFERED TO N.G.V.D. - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (L.W.R.P.) (14,000 C.F.S.)

Survey Date: JANUARY 28, 2013
Surveyed by: BOWEN ENGINEERING
Reviewed by: x
Drawn by: x
Ckd by: x
SUBMITTED: x
APPROVED: x
Plot date: 08/05/2013 7:46:08AM
File name: M:\MISSISSIPPI\LEMPDFCP\CD\MM\MM_CONTOURS.DWG

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

120 400 0 0 120 240 METERS
400 800 FEET

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

PRE DREDGE SURVEY
RIVER MILES 116.0 - 114.0

PLATE NUMBER
XX