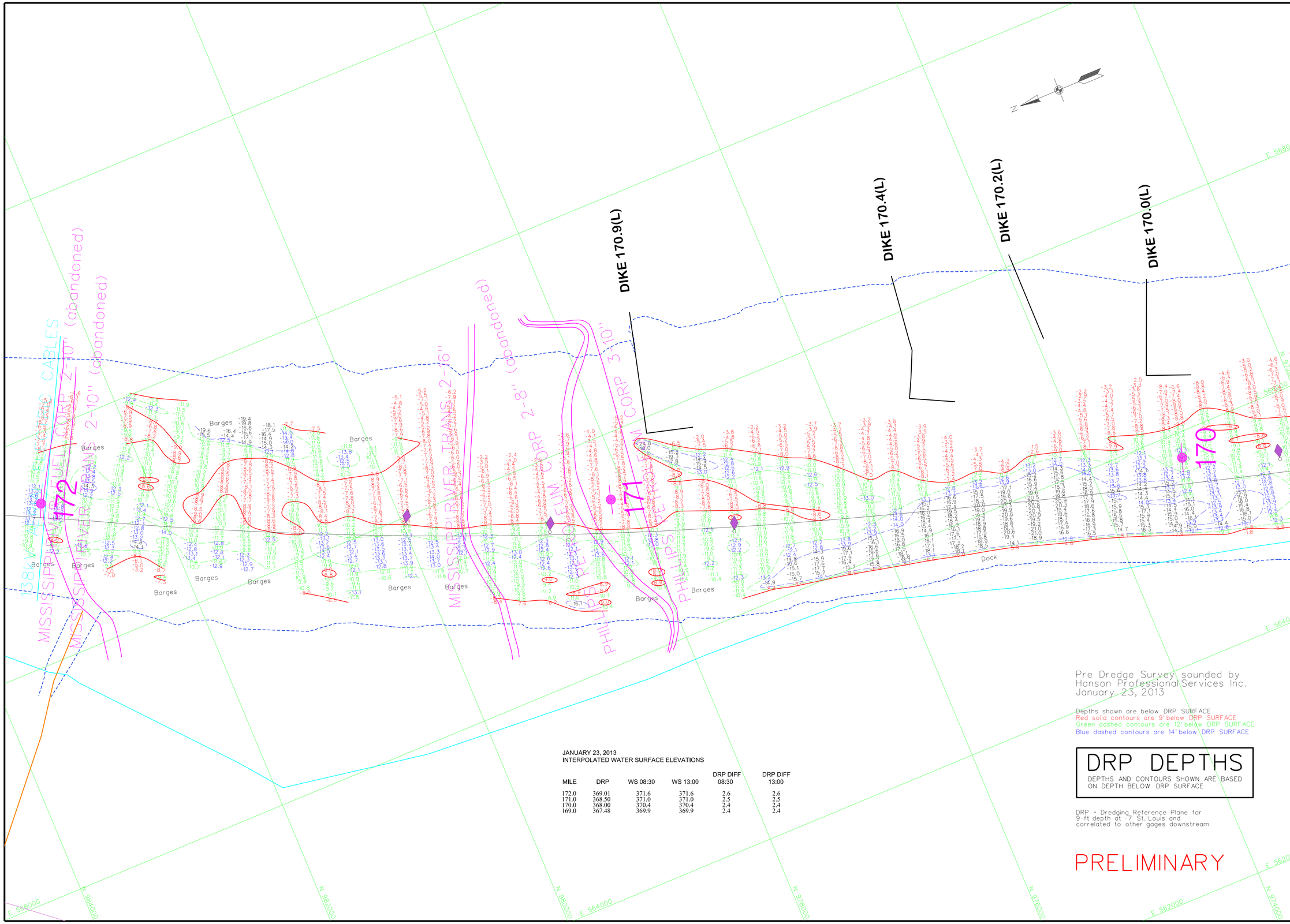


US Army Corps of Engineers
St. Louis District

GAGE RECORD			
	WATER SURFACE	WATER'S POINT	JEFFERSON BARRACKS	ST. LOUIS
ZERO N.G.V.D.	370.39	377.69	379.94
MILE	158.5	168.7	179.6
L.W.R.P.	367.4	372.8	376.4
23 JAN 2013		369.7 (08:30)	375.9 (08:30)
		369.7 (13:00)	375.8 (13:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE ILWRP:194.000 C.F.S.

Survey Date: January 23, 2013

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 169A2213_dre.dgn

Plot date: January 24, 2013
Plot scale: 1"=400'

Surveyed by: HANSON
Drawn by: JLK
Checked by: RCA
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

Pre Dredge Survey sounded by
Hanson Professional Services Inc.
January 23, 2013

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

PRELIMINARY

JANUARY 23, 2013
INTERPOLATED WATER SURFACE ELEVATIONS

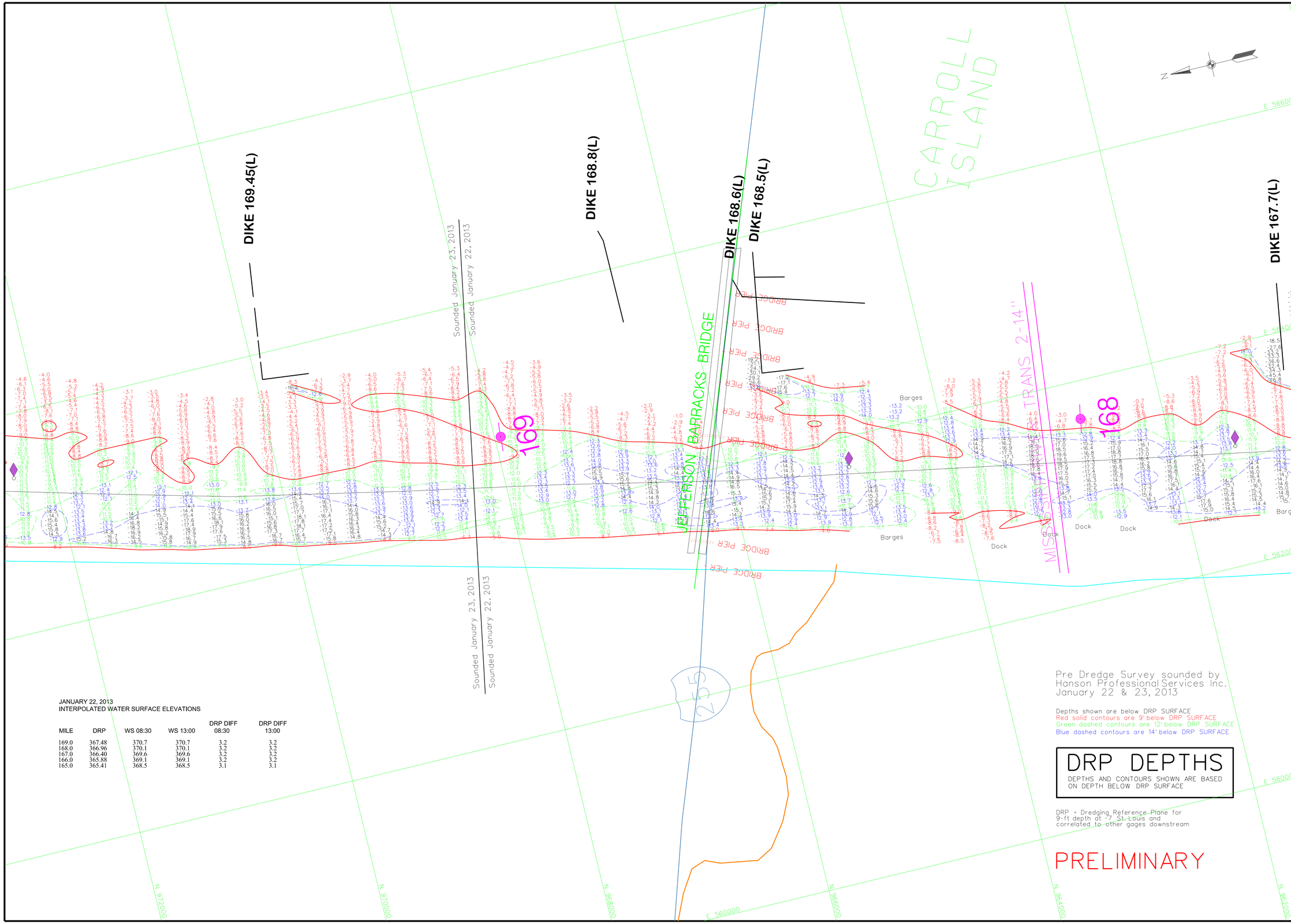
MILE	DRP	WS 08:30	WS 13:00	DRP DIFF 08:30	DRP DIFF 13:00
172.0	369.01	371.6	371.6	2.6	2.6
171.0	368.50	371.0	371.0	2.5	2.5
170.0	368.00	370.4	370.4	2.4	2.4
169.0	367.48	369.9	369.9	2.4	2.4

240 METERS
800 FEET
120 0 120
400 0 400

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY THE ST. LOUIS DISTRICT, CORPS OF ENGINEERS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PRE DREDGE SURVEY
MILE: 172.0-165.5

PLATE NUMBER



JANUARY 22, 2013
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	DRP	WS 08:30	WS 13:00	DRP DIFF 08:30	DRP DIFF 13:00
169.0	367.48	370.7	370.7	3.2	3.2
168.0	366.96	370.1	370.1	3.2	3.2
167.0	366.40	369.6	369.6	3.2	3.2
166.0	365.88	369.1	369.1	3.2	3.2
165.0	365.41	368.5	368.5	3.1	3.1

Pre Dredge Survey sounded by
Hanson Professional Services Inc.
January 22 & 23, 2013

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

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	WATER'S POINT	JEFFERSON BARRACKS	ST. LOUIS
ZERO N.G.V.D.		370.39	377.69	379.94
MILE		158.5	168.7	179.6
L.W.R.P.		367.4	372.8	376.4
	22 JAN 2013	365.1 (09:00)	370.5 (09:00)	
		365.1 (14:00)	370.5 (14:00)	

ELEVATIONS ARE REFERRED TO N.G.V.D. CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE ILLINOIS PLANE C.S.

Survey Date: Jan. 22 & 23, 2013

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 169A2213_drp.dgn
Plot date: January 24, 2013
Plot scale: 1"=400'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: RCA
Reviewed by:
APPROVED: Chief, Geospatial Branch

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

UPPER MISSISSIPPI RIVER BASIN

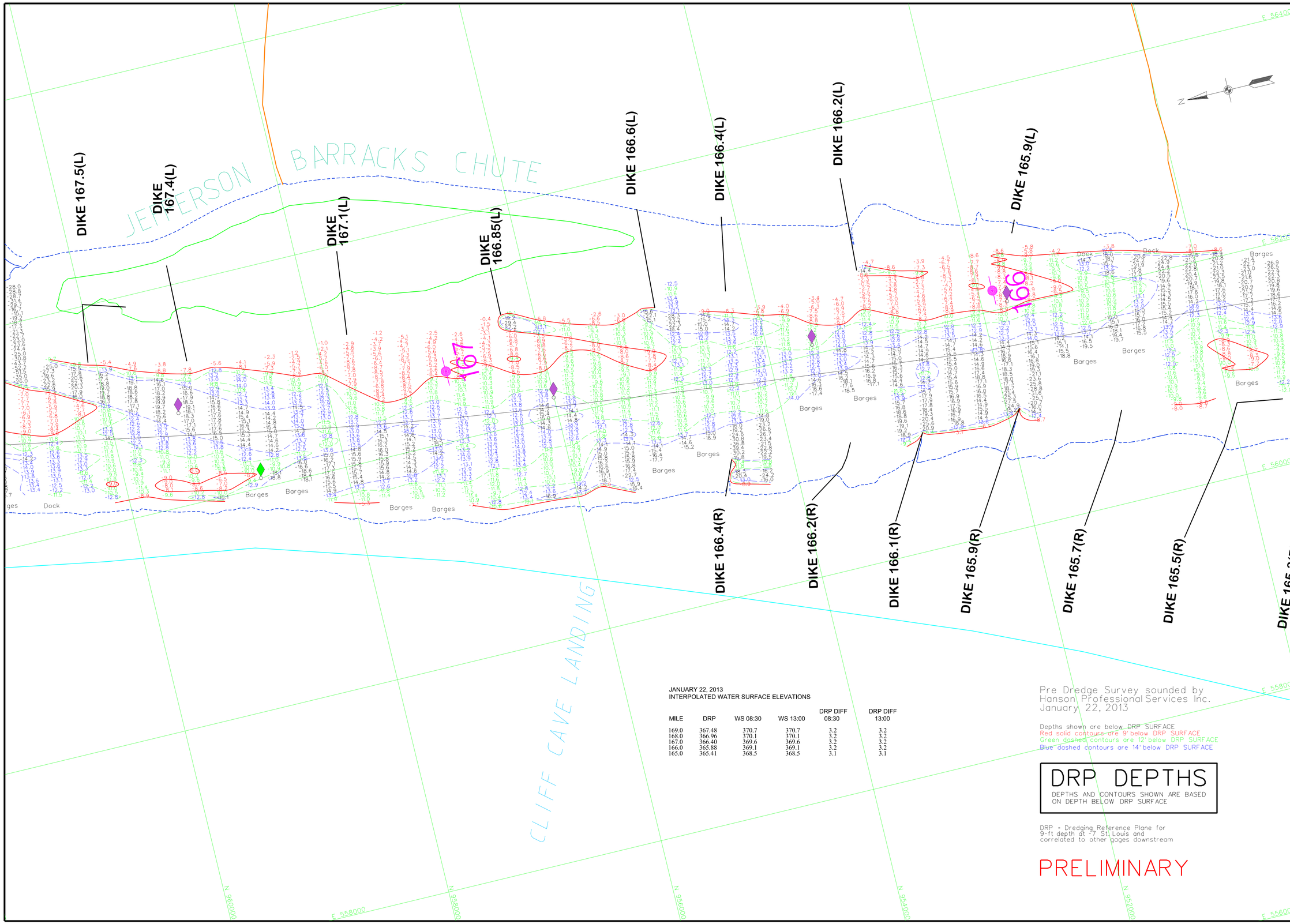
MISSISSIPPI RIVER

240 METERS
800 FEET
120 0 120
400 0 400

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY OF THE RIVER BOTTOM AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PRE DREDGE SURVEY
MILE: 172.0-165.5

PLATE NUMBER



JANUARY 22, 2013
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	DRP	WS 08:30	WS 13:00	DRP DIFF 08:30	DRP DIFF 13:00
169.0	367.48	370.7	370.7	3.2	3.2
168.0	366.96	370.1	370.1	3.2	3.2
167.0	366.40	369.6	369.6	3.2	3.2
166.0	365.88	369.1	369.1	3.2	3.2
165.0	365.41	368.5	368.5	3.1	3.1

Pre Dredge Survey sounded by
Hanson Professional Services Inc.
January 22, 2013

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

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	WATER'S POINT	JEFFERSON BARRACKS	ST. LOUIS
ZERO N.G.V.D.		370.39	377.69	379.94
MILE		158.5	168.7	179.6
L. W. R. P.		367.4	372.8	376.4
	22 JAN 2013	365.1 (09:00)	370.5 (09:00)	
		365.1 (14:00)	370.5 (14:00)	

ELEVATIONS ARE REFERRED TO N.G.V.D. CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE. ILWRP=154.000 C.S.

Survey Date: January 22, 2013
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 169A2213_drp.dgn
Plot date: January 24, 2013
Plot scale: 1"=400'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: RCA
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

249 METERS
800 FEET
THE INFORMATION REPRESENTS THE RESULTS OF A HYDROGRAPHIC SURVEY AS REPORTED AT THAT TIME AS INDICATING THE GENERAL CONDITIONS EXISTING

PRE DREDGE SURVEY
MILE: 172.0-165.5

PLATE NUMBER