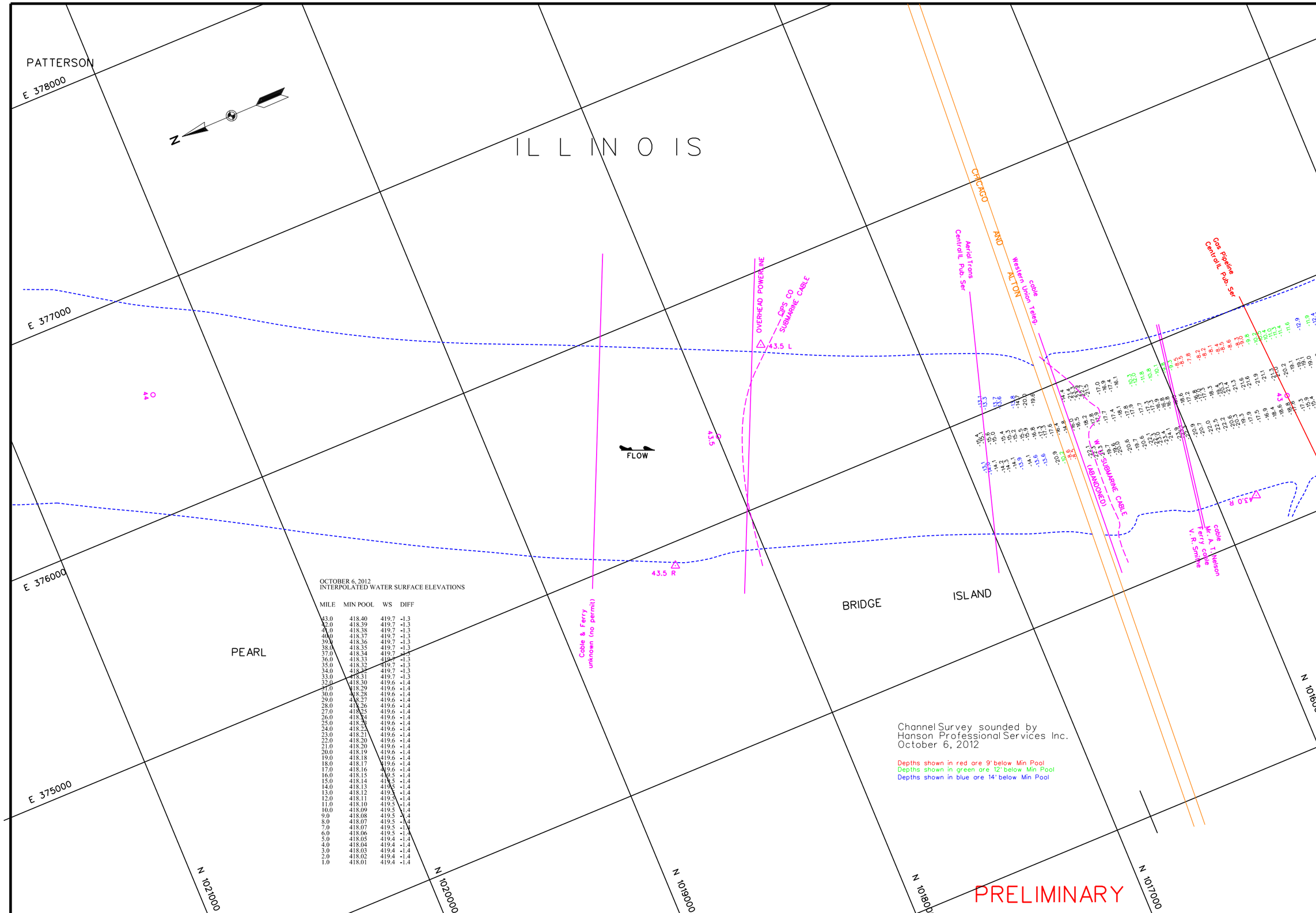


OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	FLORENCE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0	400.0
MILE		56.0	43.2	21.5
MIN POOL		418.8	418.4	418.2
DATE	06 OCT 2012		419.7 (08:00)	419.6 (08:00)
			419.7 (15:00)	419.6 (15:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

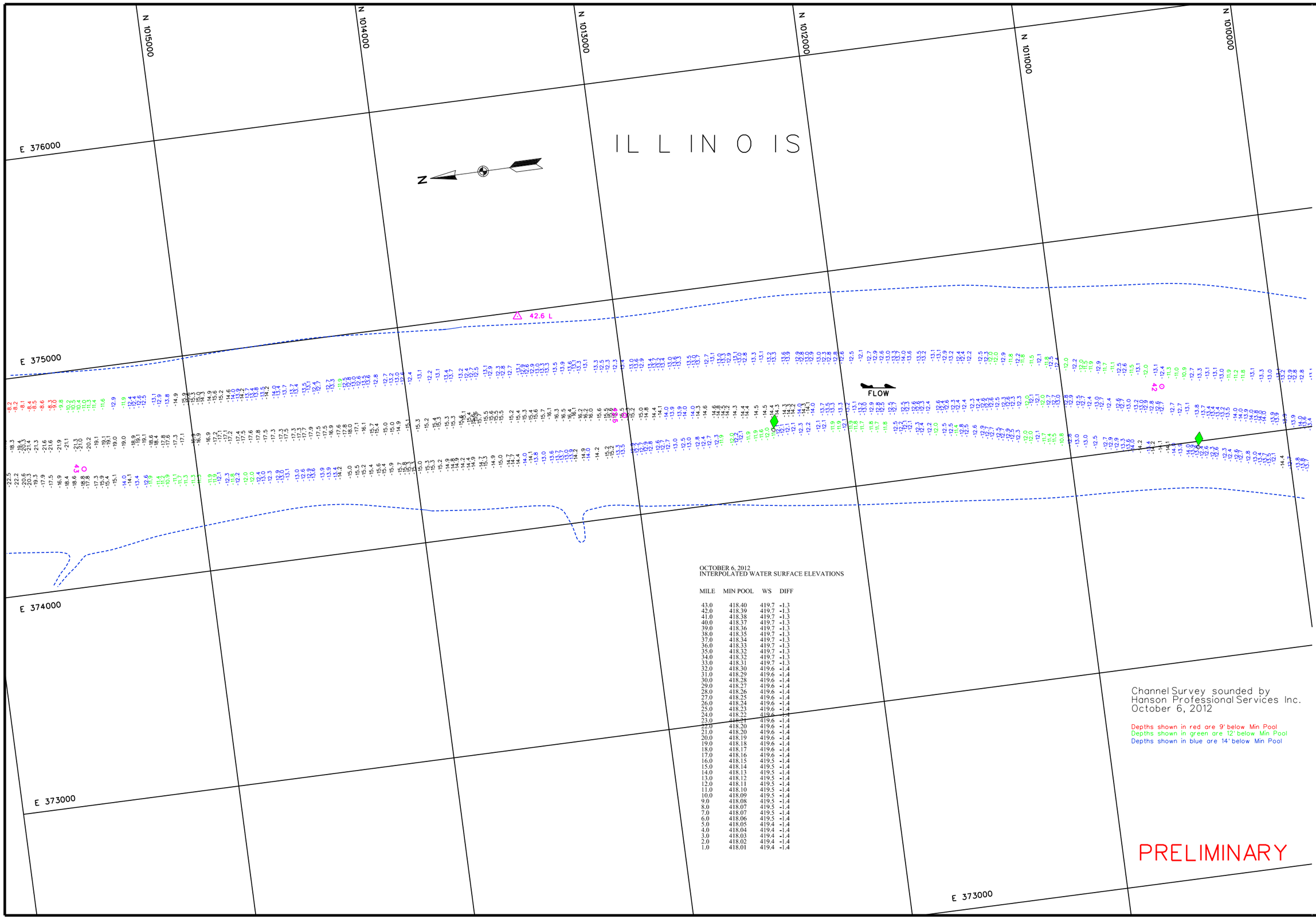
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 44.1 - 43.0

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
35



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN POOL		418.4	418.2
DATE	06 OCT 2012	419.7 (08:00)	419.6 (08:00)
		419.7 (14:00)	419.6 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 843.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

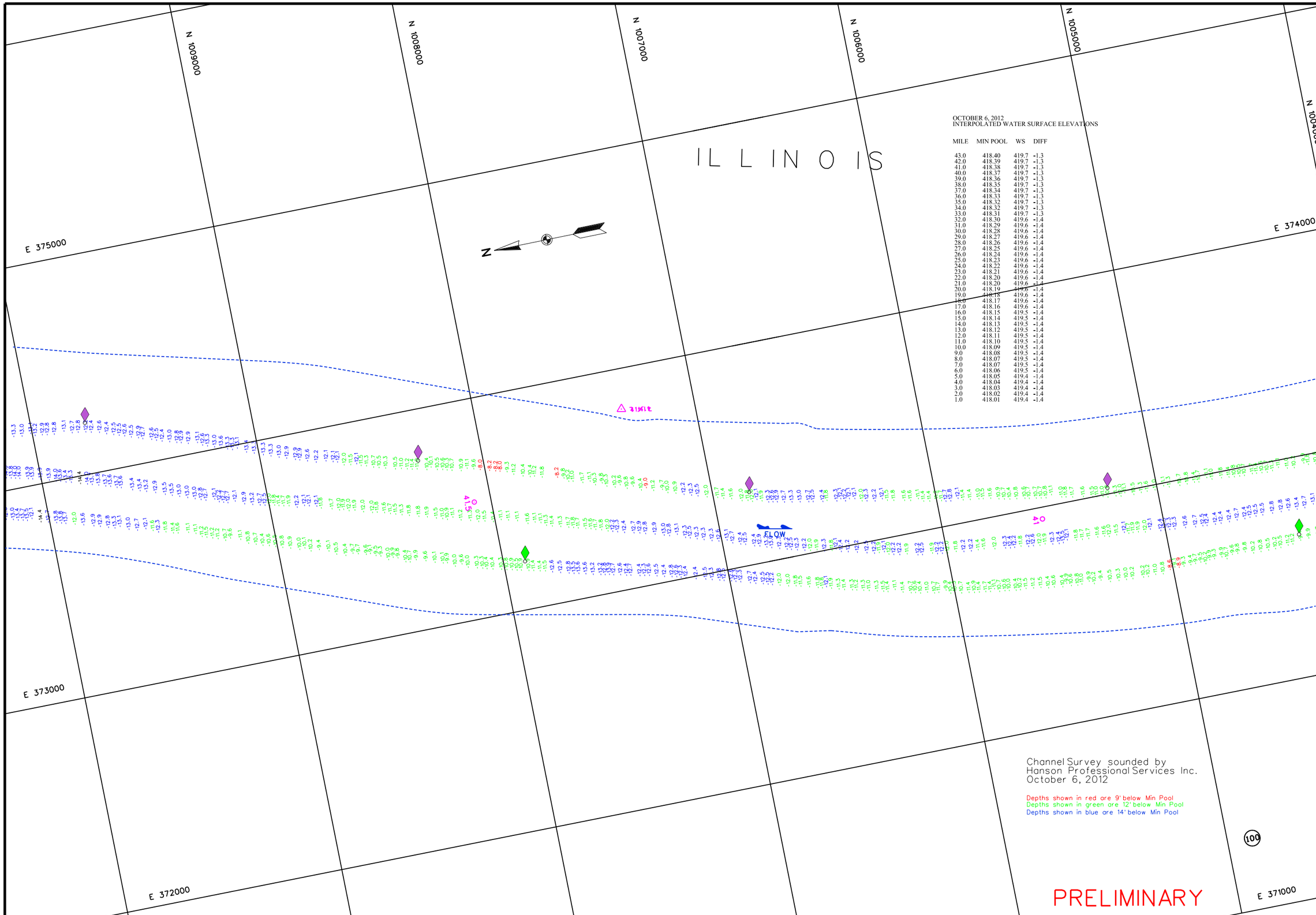
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 43.0 - 41.9

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
36



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps
of Engineers
St. Louis District

GAGE RECORD

WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.	400.0	400.0
MILE	43.2	21.5
MIN POOL	418.4	418.2
DATE	06 OCT 2012	419.7 (08:00) 419.6 (08:00)
		419.7 (14:00) 419.6 (14:00)

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.

Survey Date: October 6, 2012

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 043.000J0612.dgn

Plot date: October 11, 2012
Plot scale: 1" = 200'

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

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

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 41.9 - 40.8

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

37

N 1004000

N 1003000

N 1002000

N 1001000

N 1000000

E 374000

E 373000

E 372000

E 371000

ILLINOIS

WALKERVILLE

WING ISLAND

40.0 L

40.6 R

FLOW

N

OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE			
	06 OCT 2012	419.7 (08:00) 419.7 (14:00)	419.6 (08:00) 419.6 (14:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) 04.000 C.F.S.

Survey Date: October 6, 2012

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 843_20121012.dgn
Plot date: October 11, 2012
Plot scale: 1" = 2000'

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

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

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 40.8 - 39.7

120 METERS 60 0 200 400 FEET

THE INFORMATION REFLECTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY THE CORPS OF ENGINEERS AND IS SHOWN AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
38

N 996000 N 998000 N 997000 N 996000 N 995000 N 994000

E 375000 E 374000 E 373000 E 372000

ILLINOIS

SPAN ISLAND

WING ISLAND

38.9 L

39.7 R

N

OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE			
	06 OCT 2012	419.7 (08:00)	419.6 (08:00)
		419.7 (14:00)	419.6 (014:00)

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

Surveyed by: HANSON
Survey Date: October 6, 2012

Drawn by: RCA
Ckd by: RCA
SUBMITTED:
Chief, Engr. Data Mngt. Sect.

Reviewed by:
File name: 843_20121012.dgn

APPROVED:
Chief, Geospatial Branch
Plot date: October 11, 2012
Plot scale: 1" = 200'

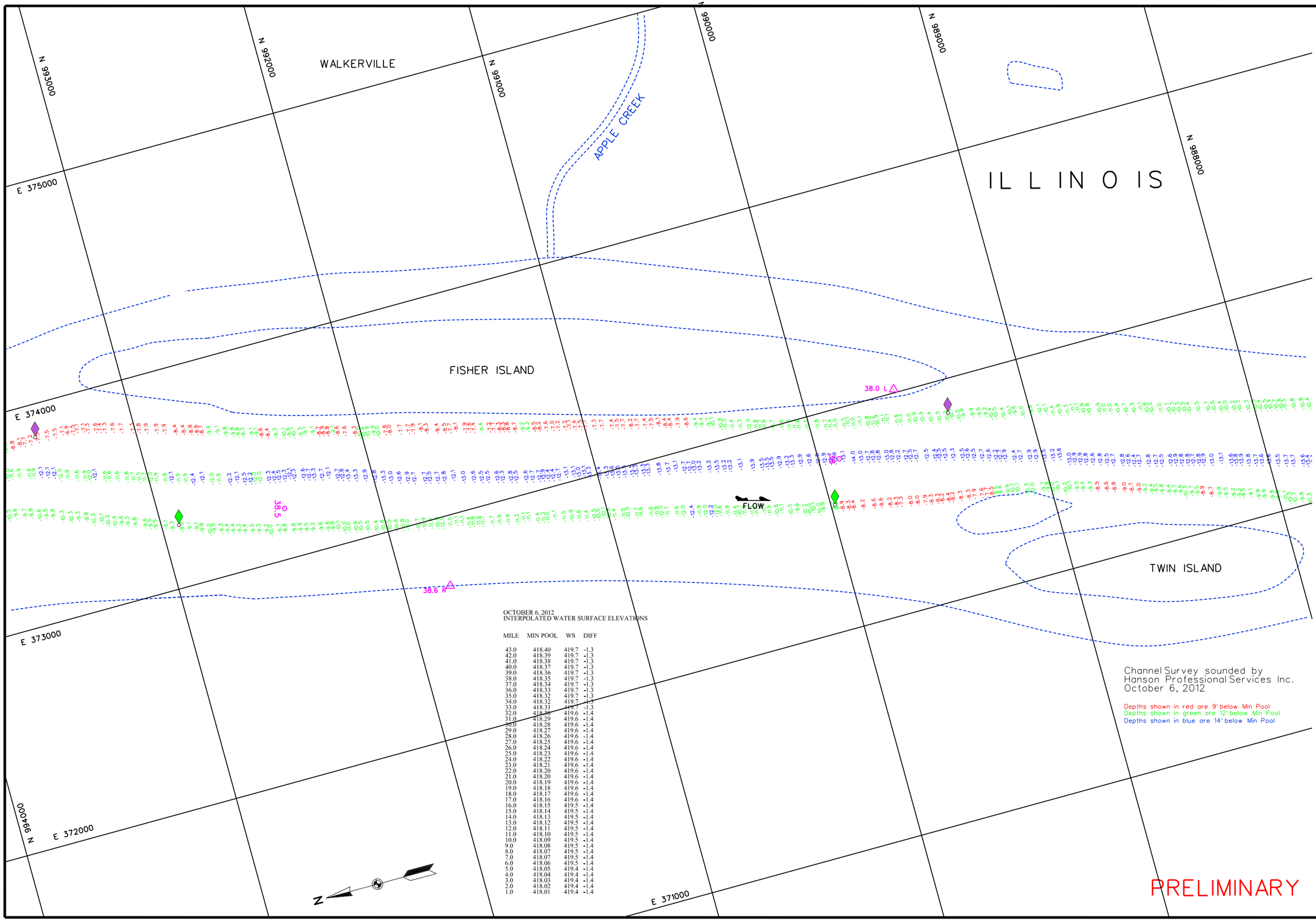
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 39.7 - 38.7

120 METERS 400 FEET
60 200
0 0
60 200

THE INFORMATION REFLECTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED. IT IS NOT GUARANTEED AS TO ACCURACY OR AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
39



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	06 OCT 2012	419.7 (08:00) 419.7 (14:00)	419.6 (08:00) 419.6 (14:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE ILLINOIS RIVER 134,000 C.F.S.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 843_20121006.dgn
Plot date: October 11, 2012
Plot scale: 1" = 2000'

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

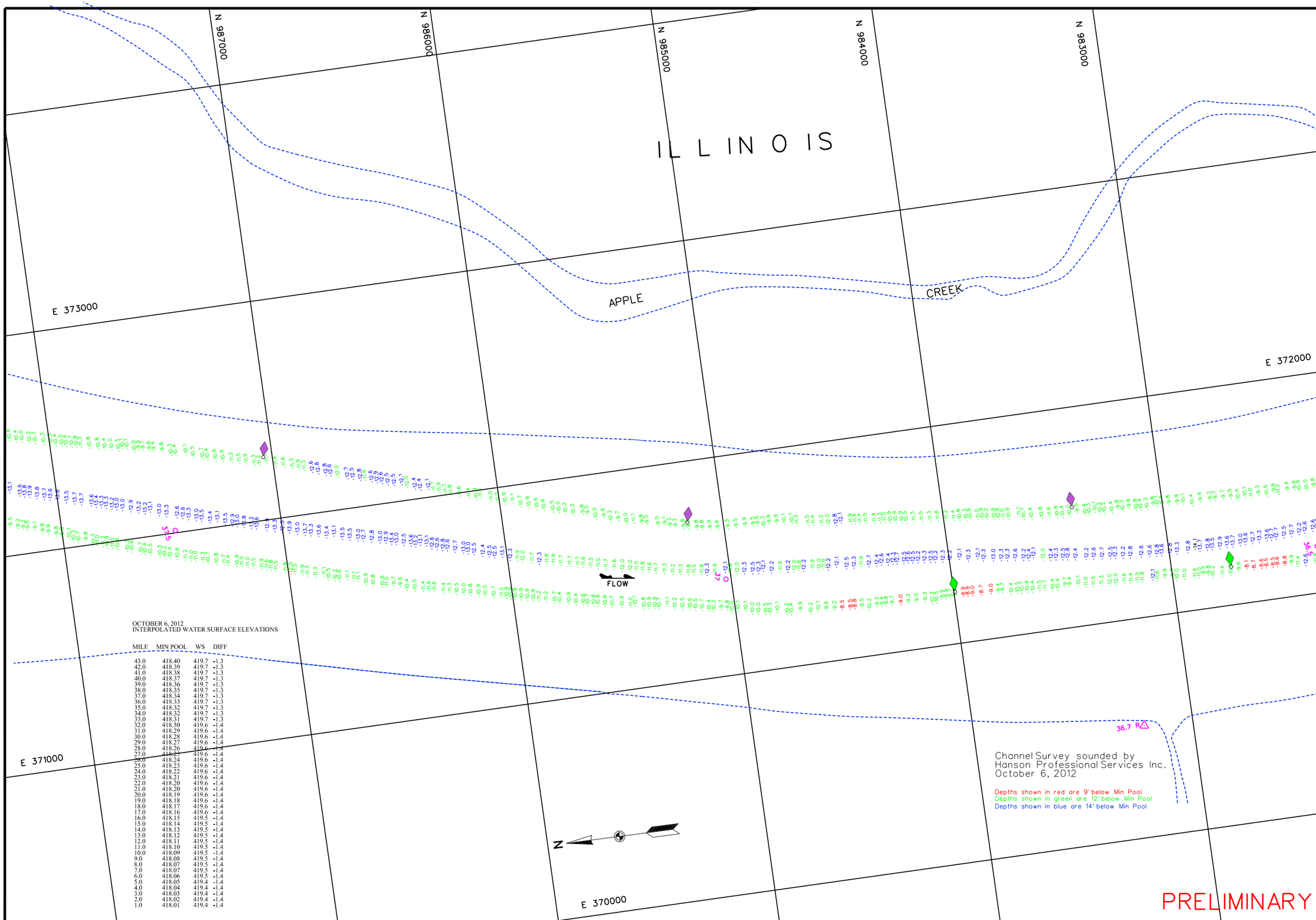
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 38.7 - 37.6

120 METERS 60 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY THE CORPS OF ENGINEERS AND CAN BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
40



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN POOL		418.4	418.2
DATE	06 OCT 2012	419.7 (08:00)	419.6 (08:00)
		419.7 (14:00)	419.6 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

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

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 37.6 - 36.5

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
41

N 983000
N 982000
N 981000
N 980000
N 979000
N 978000
N 977000
E 374000
E 373000
E 372000
E 371000
E 370000

ILLINOIS

APPLE CREEK

CLIFFDALE

OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

36.0 L

35.6 R

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	06 OCT 2012	419.7 (14:00)	419.6 (08:00)
		419.7 (14:00)	419.6 (14:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (54,000 CFS)

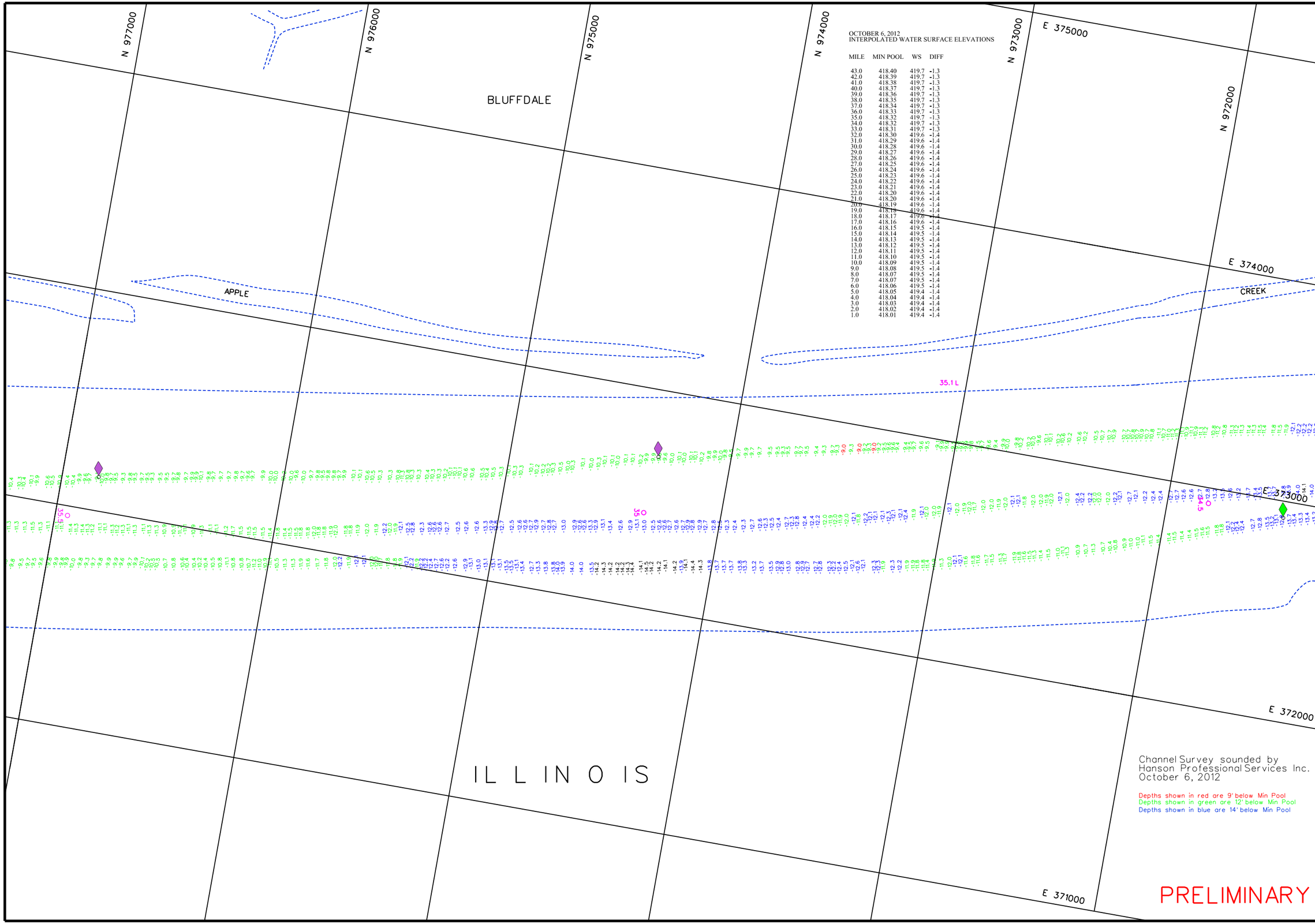
Survey Date: October 6, 2012
Surveyed by: HANSON
Drawn by: RCA
Ckd by: RCA
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
APPROVED:
Chief, Geospatial Branch
File name: 843_0808120612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 36.5 - 35.5

120 METERS
400 FEET
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED AND ACCEPTED BY THE CORPS OF ENGINEERS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
42



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN POOL		418.4	418.2
DATE	06 OCT 2012	419.7 (08:00)	419.6 (08:00)
		419.7 (14:00)	419.6 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

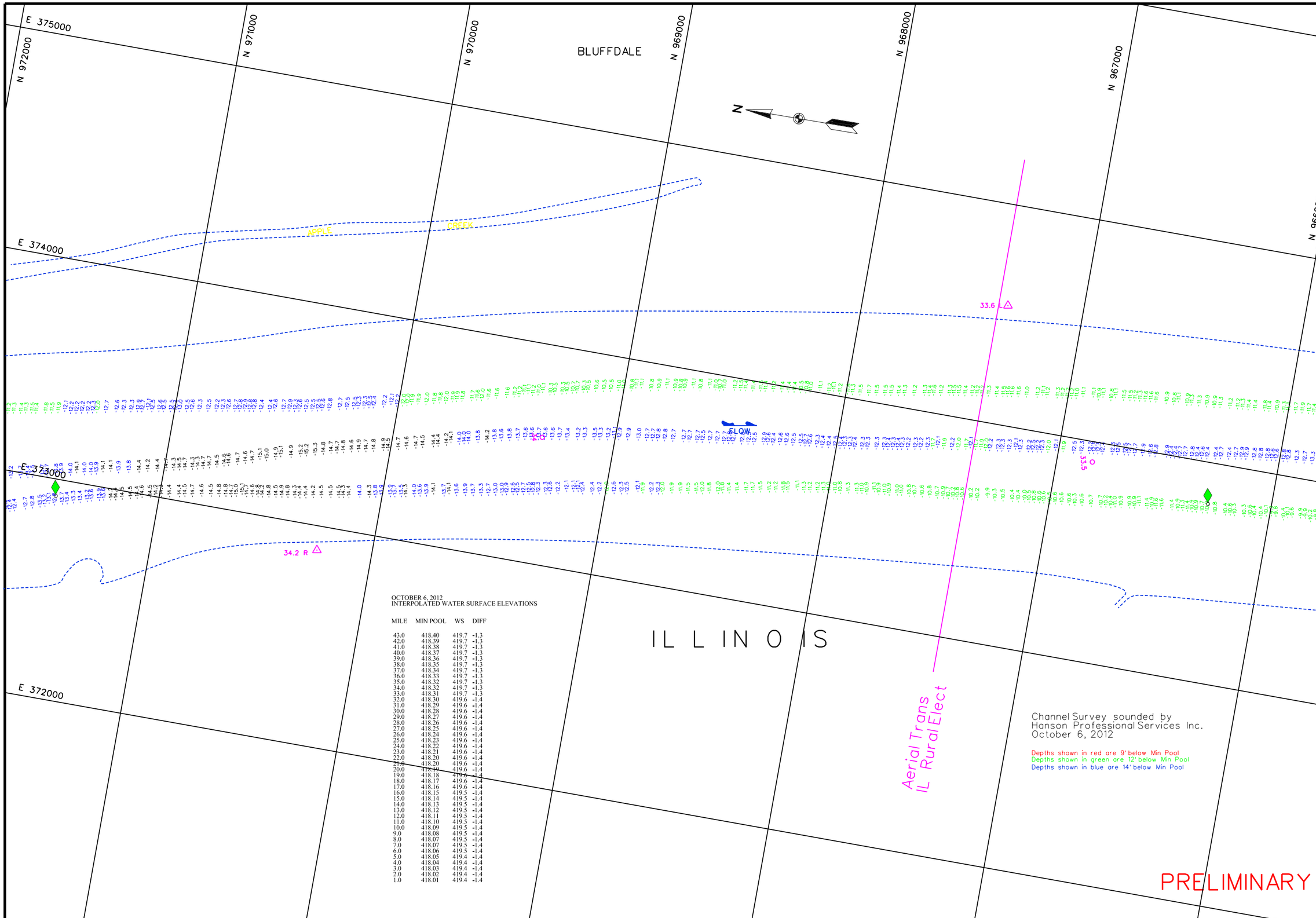
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 35.5 - 34.4

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
43



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN POOL		418.4	418.2
DATE	06 OCT 2012	419.7 (08:00)	419.6 (08:00)
		419.7 (14:00)	419.6 (14:00)

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.

Survey Date: October 6, 2012

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 043.000J0612.dgn

Plot date: October 11, 2012

Plot scale: 1" = 200'

Surveyed by: HANSON

Drawn by: RCA

Ckd by: RCA

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

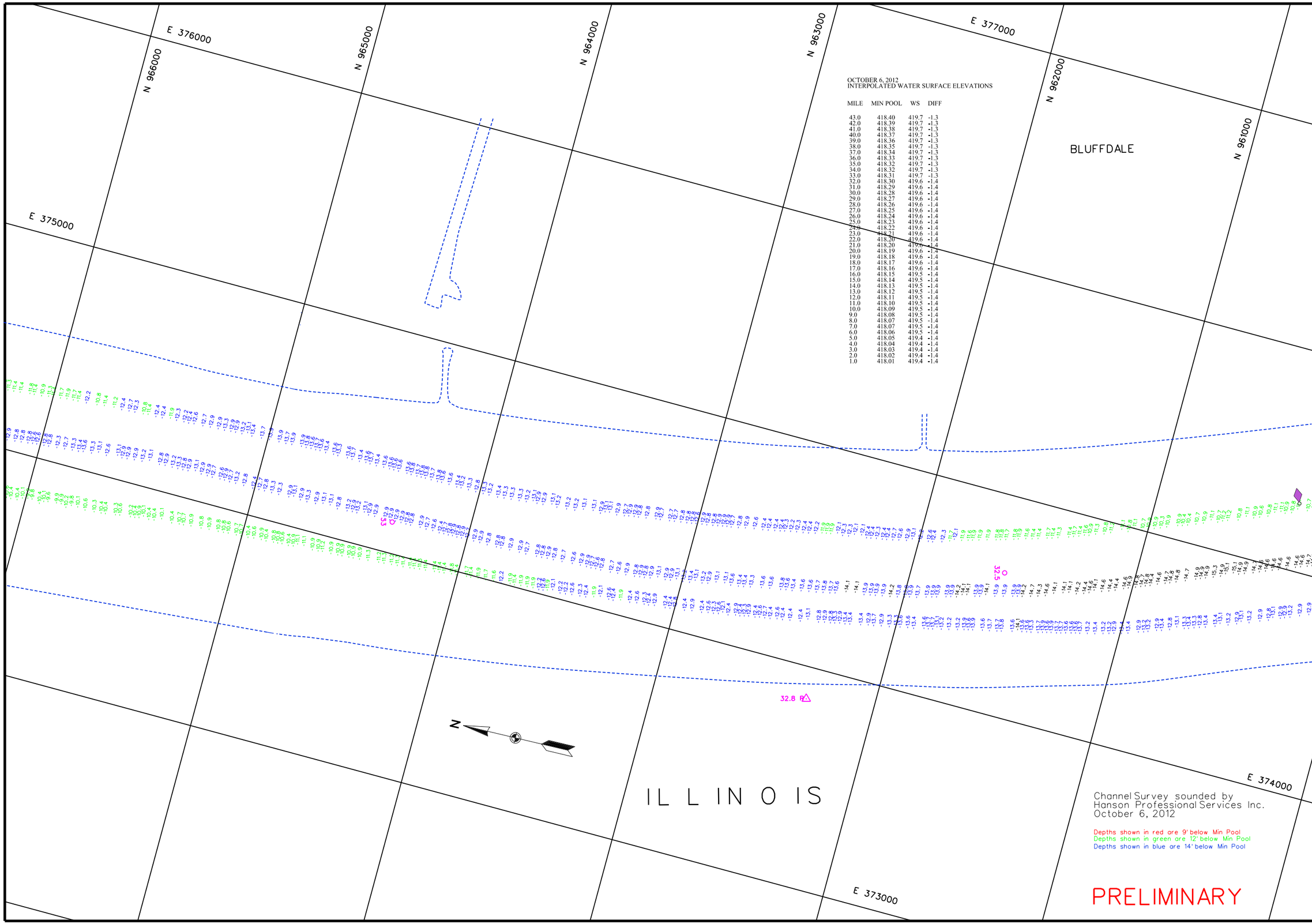
ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 34.4 - 33.4

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

44



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN POOL		418.4	418.2
DATE	06 OCT 2012	419.7 (08:00)	419.6 (08:00)
		419.7 (14:00)	419.6 (14:00)

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.

Survey Date: October 6, 2012

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

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

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 33.4 - 32.3

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
45

E 377000
N 961000
N 960000
N 959000
E 378000
N 958000
N 957000
N 956000
E 376000
E 374000
E 375000
N 955000

N

BLUFFDALE

ILLINOIS

KAMPSVILLE

SUBMERGED TELEPHONE CABLE

AERIAL POWER LINES

SUBMERGED TELEPHONE CABLE

SUBMERGED PIPELINE

FLOW

OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	06 OCT 2012	419.7 (08:00) 419.7 (14:00)	419.6 (08:00) 419.6 (14:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (L.W.R.P.) 54,000 C.F.S.

Survey Date: October 6, 2012

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 843_20121012.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

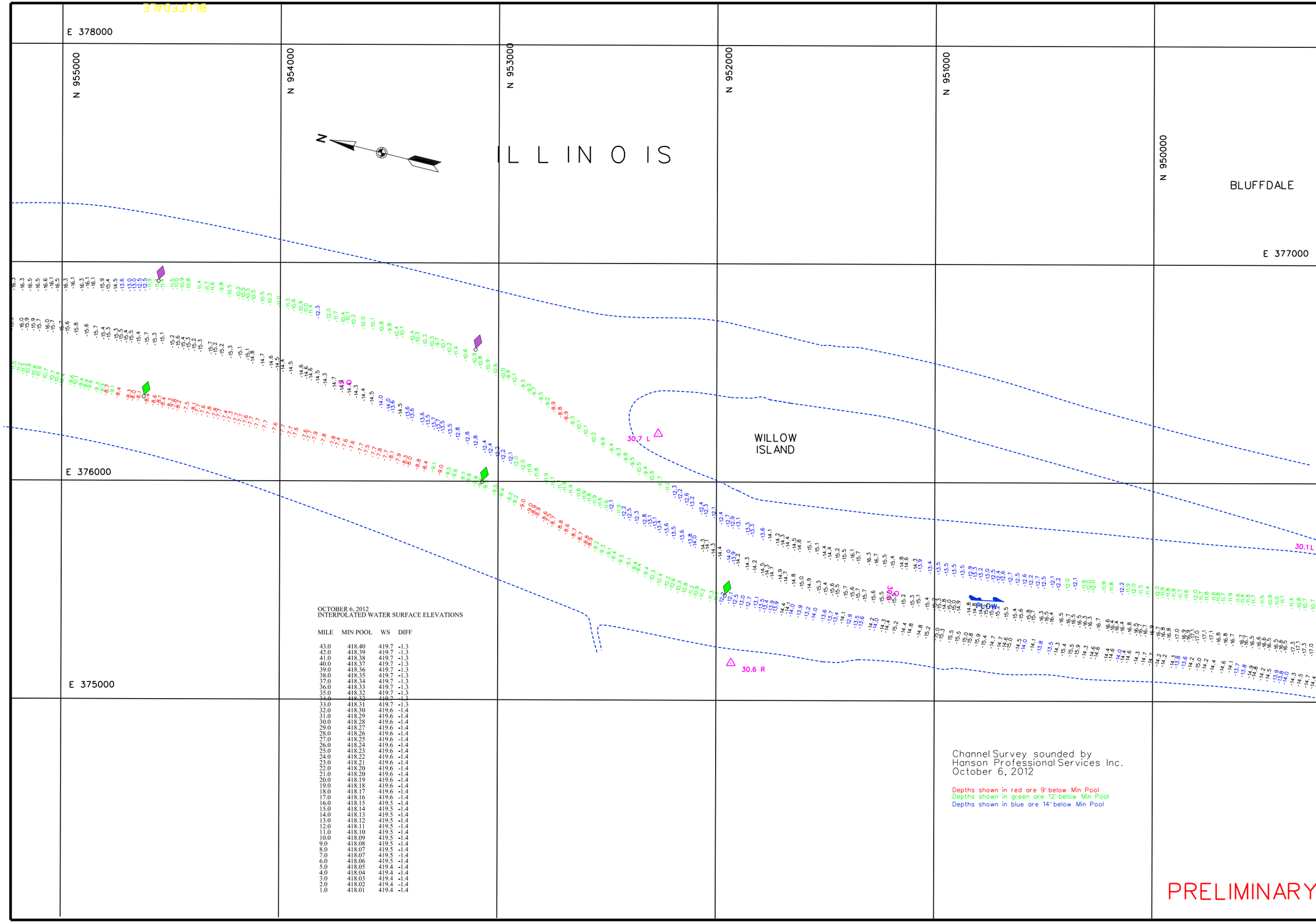
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 32.4 - 31.2

120 METERS 400 FEET
60 0 200 0
60 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYING ACTIVITIES PERFORMED ON THE DATE(S) SHOWN AND IS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
46



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN POOL		418.4	418.2
DATE	06 OCT 2012	419.7 (08:00)	419.6 (08:00)
		419.7 (14:00)	419.6 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

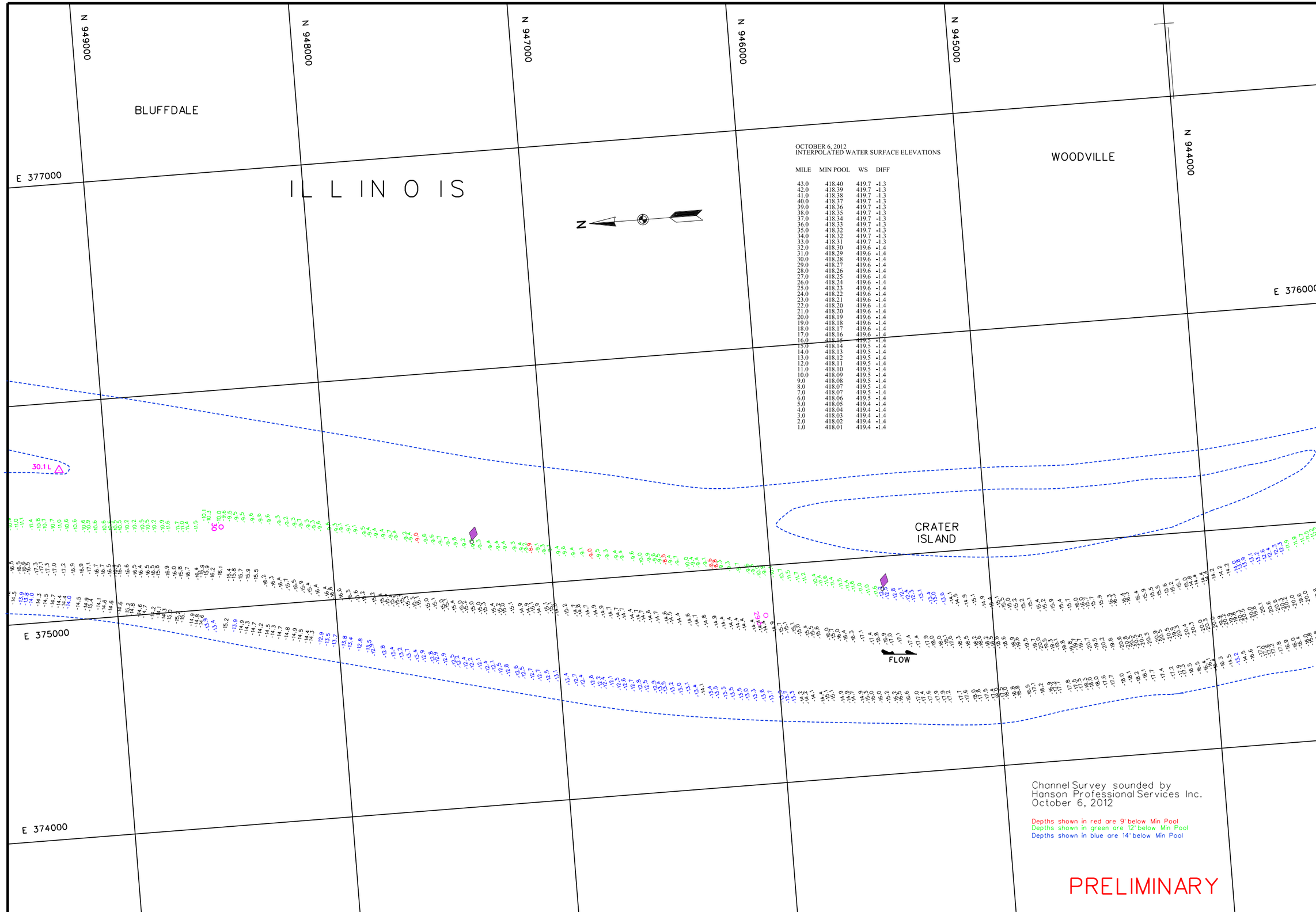
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 31.2 - 30.1

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
47



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN POOL		418.4	418.2
DATE	06 OCT 2012	419.7 (08:00)	419.6 (08:00)
		419.7 (14:00)	419.6 (14:00)

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.

Survey Date: October 6, 2012

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

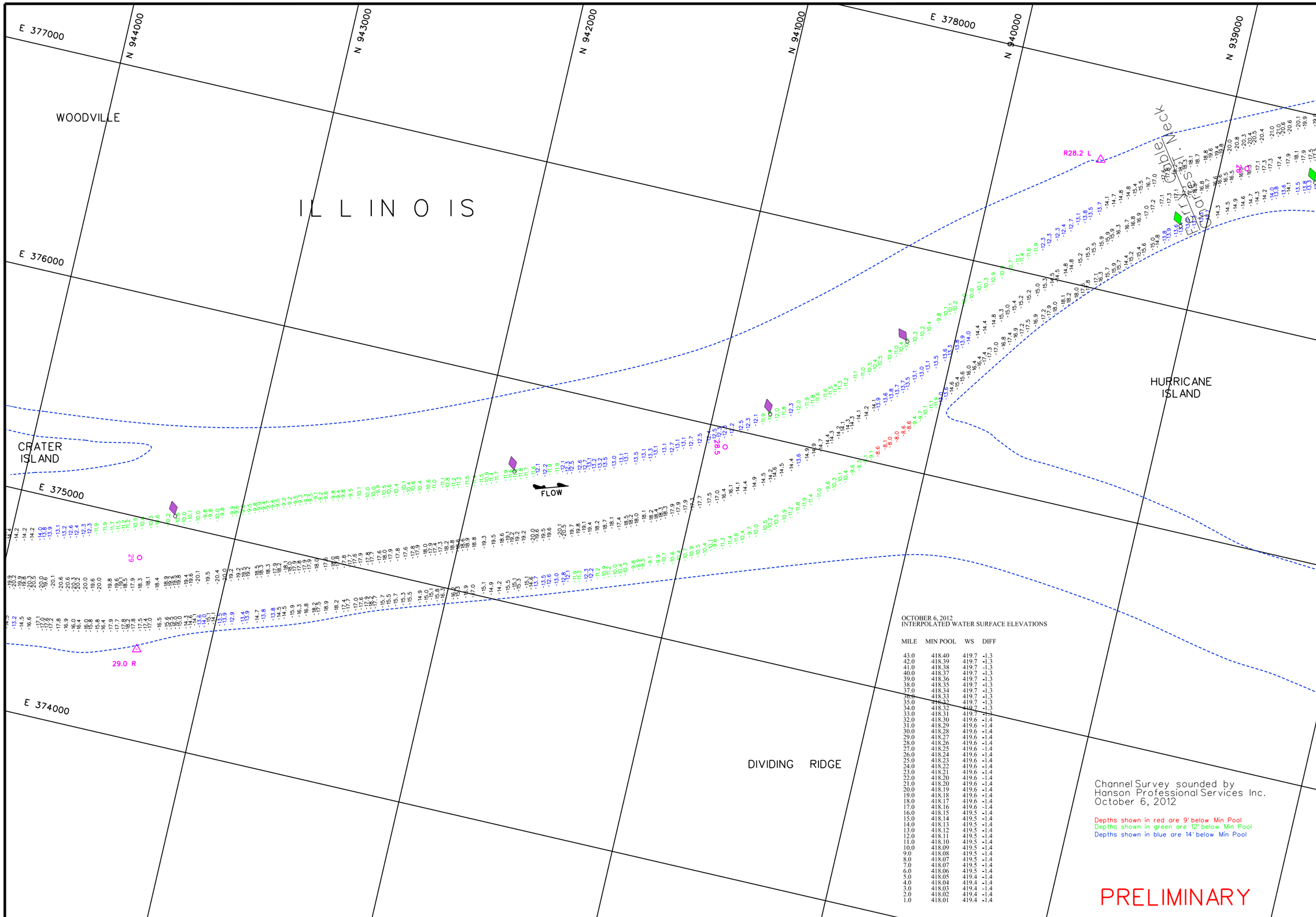
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 30.1 - 29.1

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
48



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN POOL		418.4	418.2
DATE	06 OCT 2012	419.7 (08:00)	419.6 (08:00)
		419.7 (14:00)	419.6 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

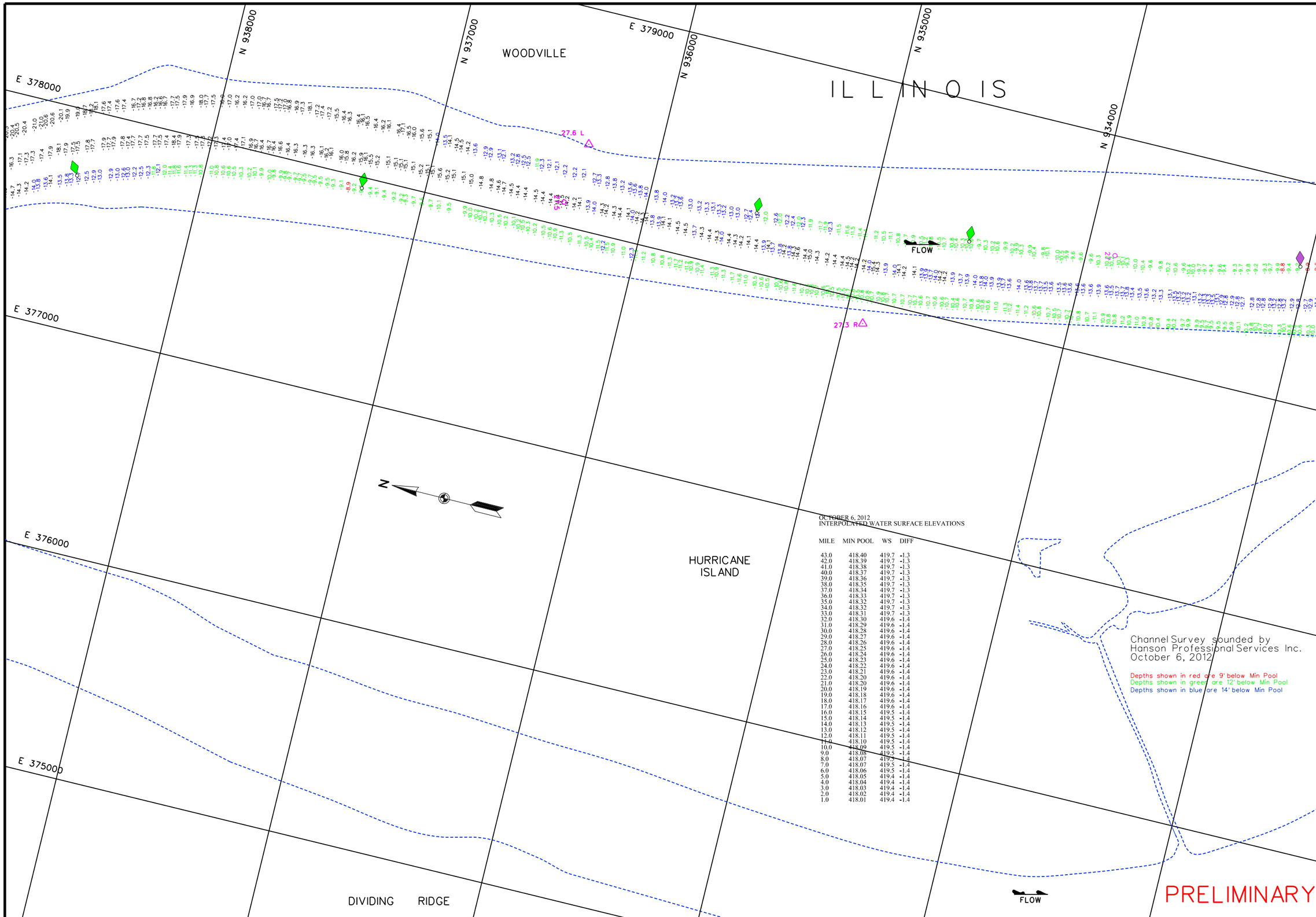
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 29.1 - 28.0

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
49



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN POOL		418.4	418.2
DATE	06 OCT 2012	419.7 (08:00)	419.6 (08:00)
		419.7 (14:00)	419.6 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

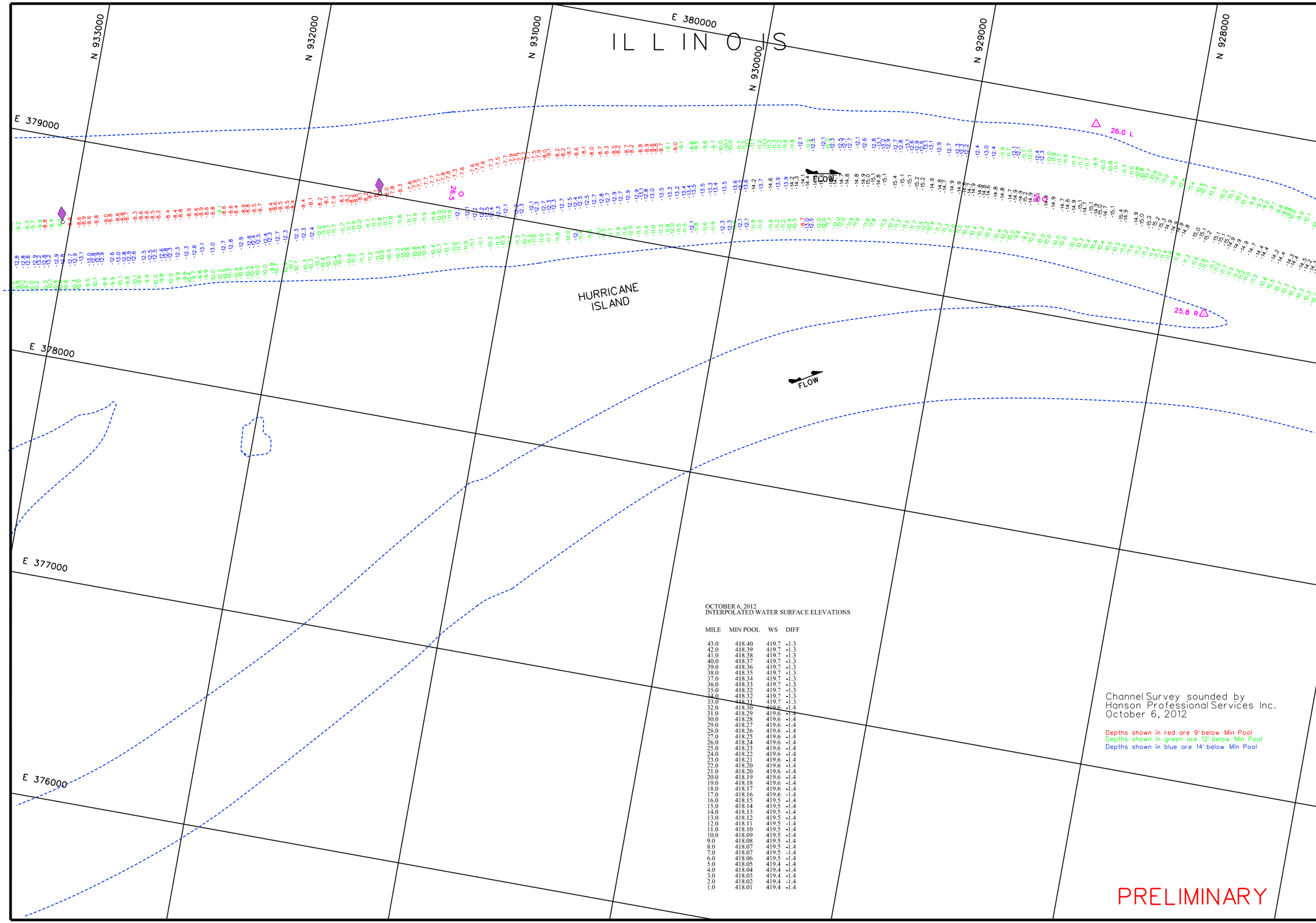
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 28.0 - 26.9

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
50



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN POOL		418.4	418.2
DATE	06 OCT 2012	419.7 (08:00)	419.6 (08:00)
		419.7 (14:00)	419.6 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

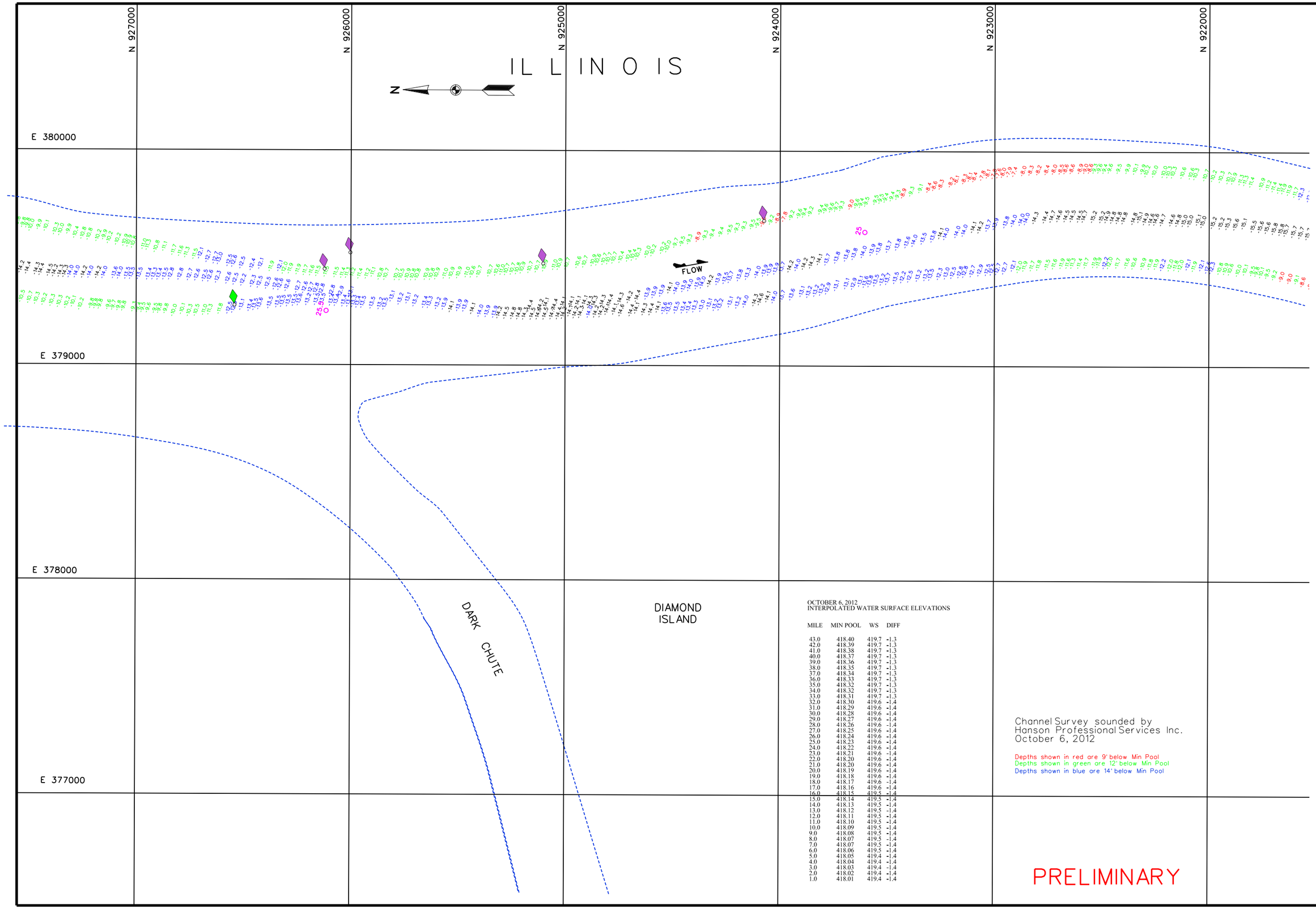
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 26.9 - 25.8

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
51



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN POOL		418.4	418.2
DATE	06 OCT 2012	419.7 (08:00)	419.6 (08:00)
		419.7 (14:00)	419.6 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

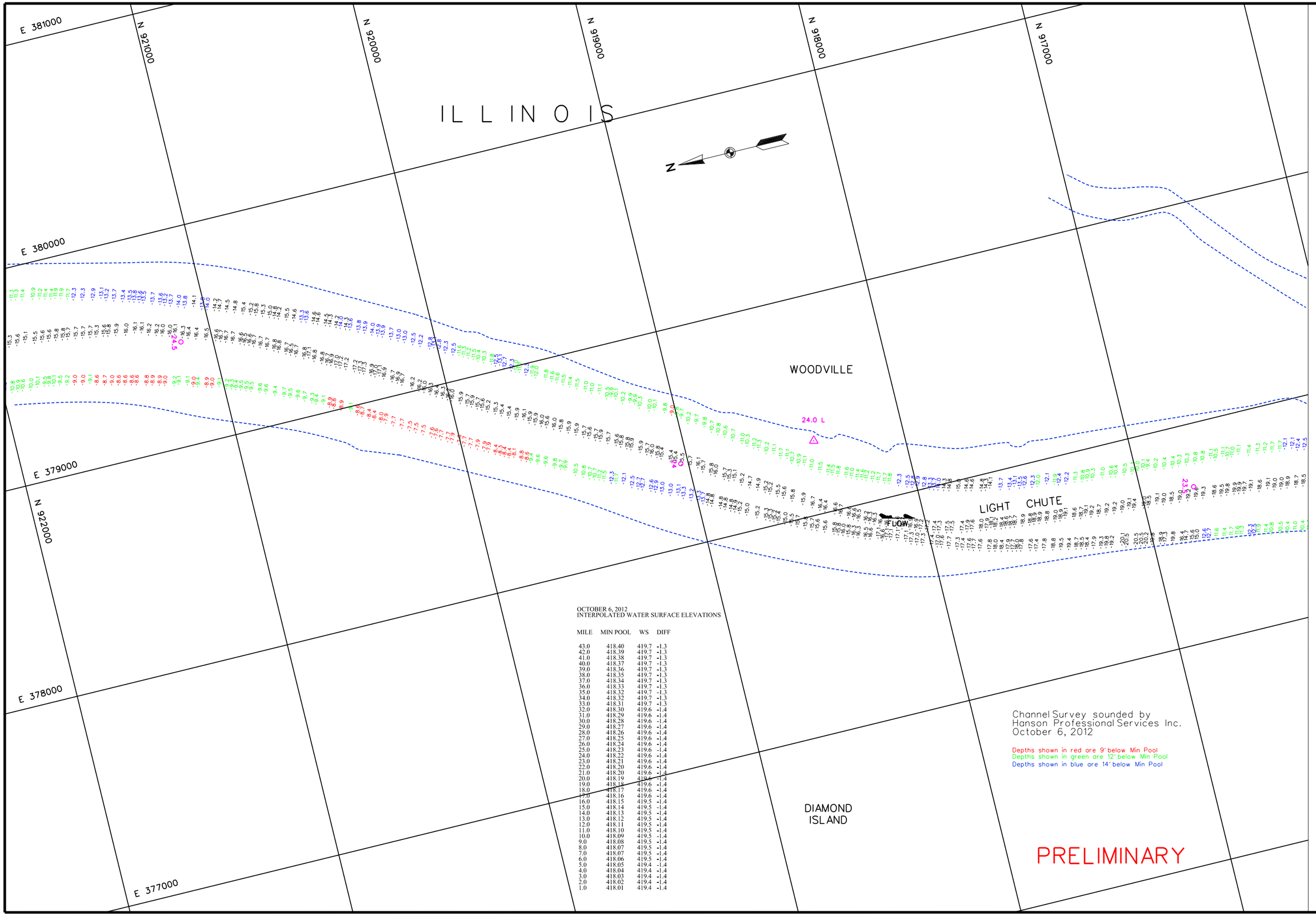
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 25.8 - 24.7

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
52



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN POOL		418.4	418.2
DATE	06 OCT 2012	419.7 (08:00)	419.6 (08:00)
		419.7 (14:00)	419.6 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

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

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 24.7 - 23.5

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
53

N 915000

N 914000

N 913000

N 912000

N 916000

N 917000

N 918000

N

ILLINOIS

BRIDGE IL DIV HWY 9

23.1 L

22.8 R

22.2

FLOW

LIGHT CHUTE

DIAMOND ISLAND

HAMILTON LAKE

OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.	400.0	400.0
MILE	43.2	21.5
MIN. POOL	418.4	418.2
DATE		
06 OCT 2012	419.7 (08:00)	419.6 (08:00)
	419.7 (14:00)	419.6 (14:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. CONTOURS ARE BELOW 1996-97 LOW WATER REFERENCE PLANE ILLINOIS 134,000 C.F.S.

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

Survey Date: October 6, 2012
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: 843_20121006i2.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

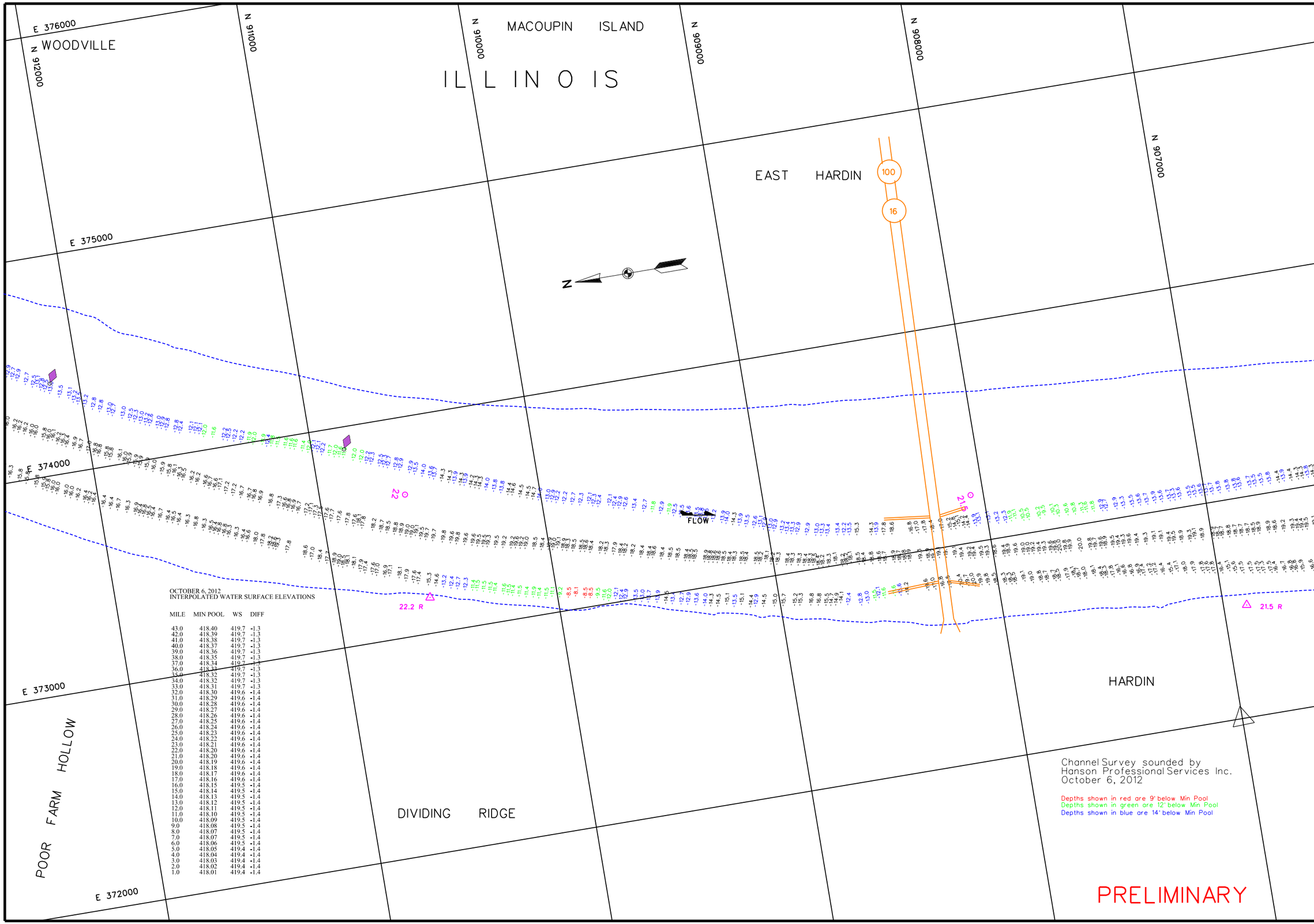
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 23.5 - 22.3

120 METERS 60 0 0 60 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS CONDUCTED BY THE CORPS OF ENGINEERS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
54



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	400.0	403.8
MILE		43.2	21.5	0.0
MIN POOL		418.4	418.2	418.0
DATE	06 OCT 2012	419.7 (08:00)	419.6 (08:00)	419.4 (08:00)
		419.7 (14:00)	419.6 (14:00)	419.4 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 6, 2012
Plot scale: 1" = 200'

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

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

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 22.3 - 21.2

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
55

E 375000

E 374000

E 373000

E 372000

E 371000

N 906000

N 905000

N 904000

N 903000

N 902000

N 901000

ILLINOIS

MACOUPIN ISLAND

LEVEE

AERIAL POWER LINE

FLOW

HARDIN

DIVIDING RIDGE

21.0

20.5

20.4 R

OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00) 419.6 (14:00)	419.4 (08:00) 419.4 (14:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. CONTOURS ARE BELOW 1956.97 LOW WATER REFERENCE PLANE (LWRP) 154.000 C.F.S.

Surveyed by: HANSON
Drawn by: RCA
Ckd by: RCA
Reviewed by:
Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
APPROVED:
Chief, Geospatial Branch
File name: 843_8000_20612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 21.2 - 20.2

120 METERS
60
0
0
400 FEET
200
60
200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE CONDITIONS AS SURVEYED ON THE DATES INDICATED AND IS CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
56

ILLINOIS

MACOUPIN ISLAND

WOODVILLE

LEVEE

MORTLAND ISLAND

DIVIDING RIDGE

E 375000

E 376000

E 374000

E 373000

E 372000

N 901000

N 900000

N 899000

N 898000

N 897000

20.0

20.4 R

19.4

FLOW

OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00) 419.6 (14:00)	419.4 (08:00) 419.4 (14:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. CONTOURS ARE BELOW 1956.57 LOW WATER REFERENCE PLANE (LWRP) 154,000 C.F.S.

Survey Date: October 6, 2012

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 843_20121012.dgn

Plot date: October 11, 2012
Plot scale: 1" = 200'

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

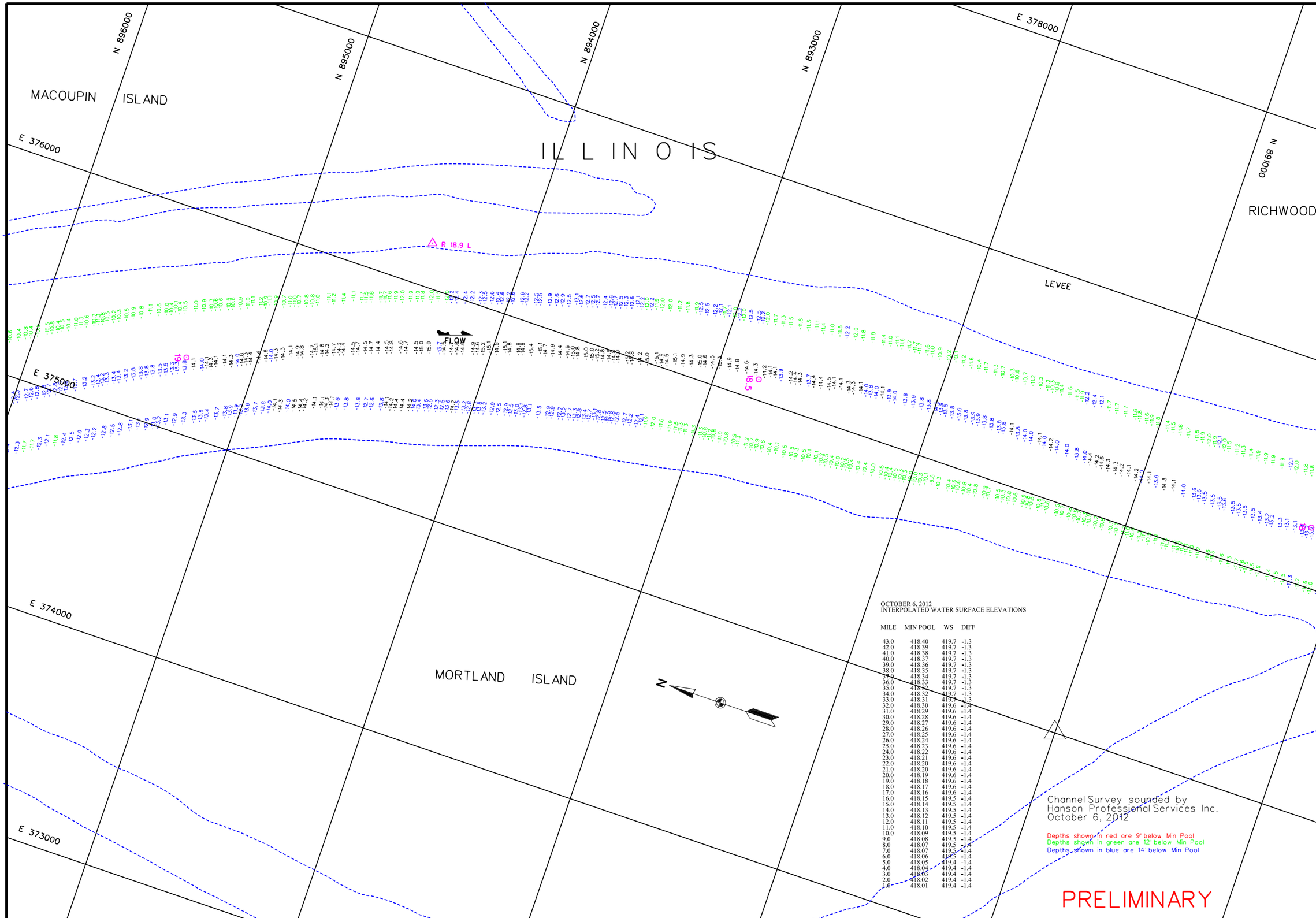
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 20.2 - 19.1

120 METERS
60
0
200
400 FEET

SURVEY INFORMATION DEPICTED ON THIS MAP REPRESENTS THE POSITIONS OF BOTTOM SURFACES AS FOUND BY SURVEY PARTY AT TIME INDICATED AND MAY NOT BE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
57



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00)	419.4 (08:00)
		419.6 (14:00)	419.4 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

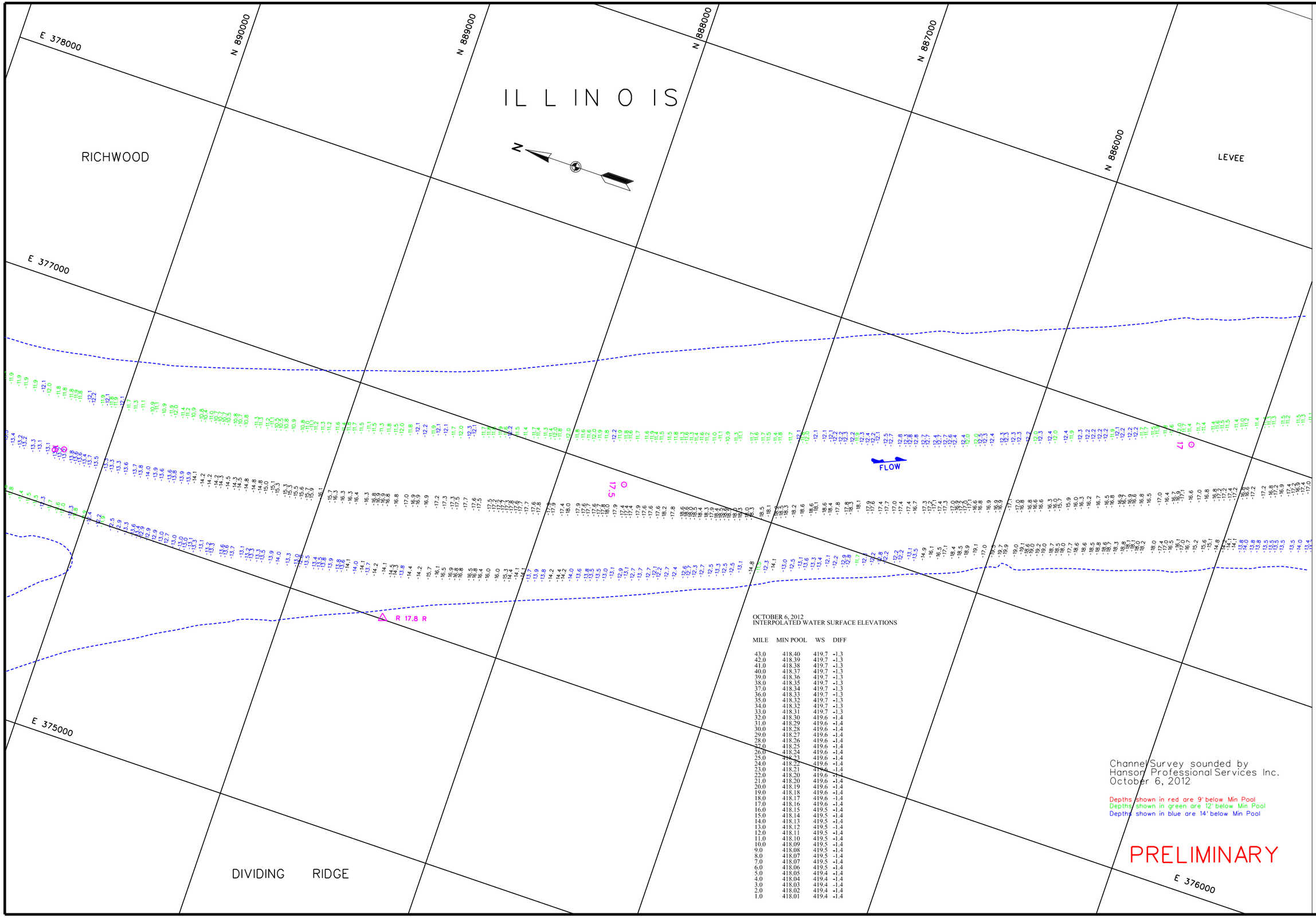
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 19.1 - 18.0

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
58



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00)	419.4 (08:00)
		419.6 (14:00)	419.4 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: RCA
Ckd by: RCA
Reviewed by:
APPROVED:
Chief, GeospatialBranch

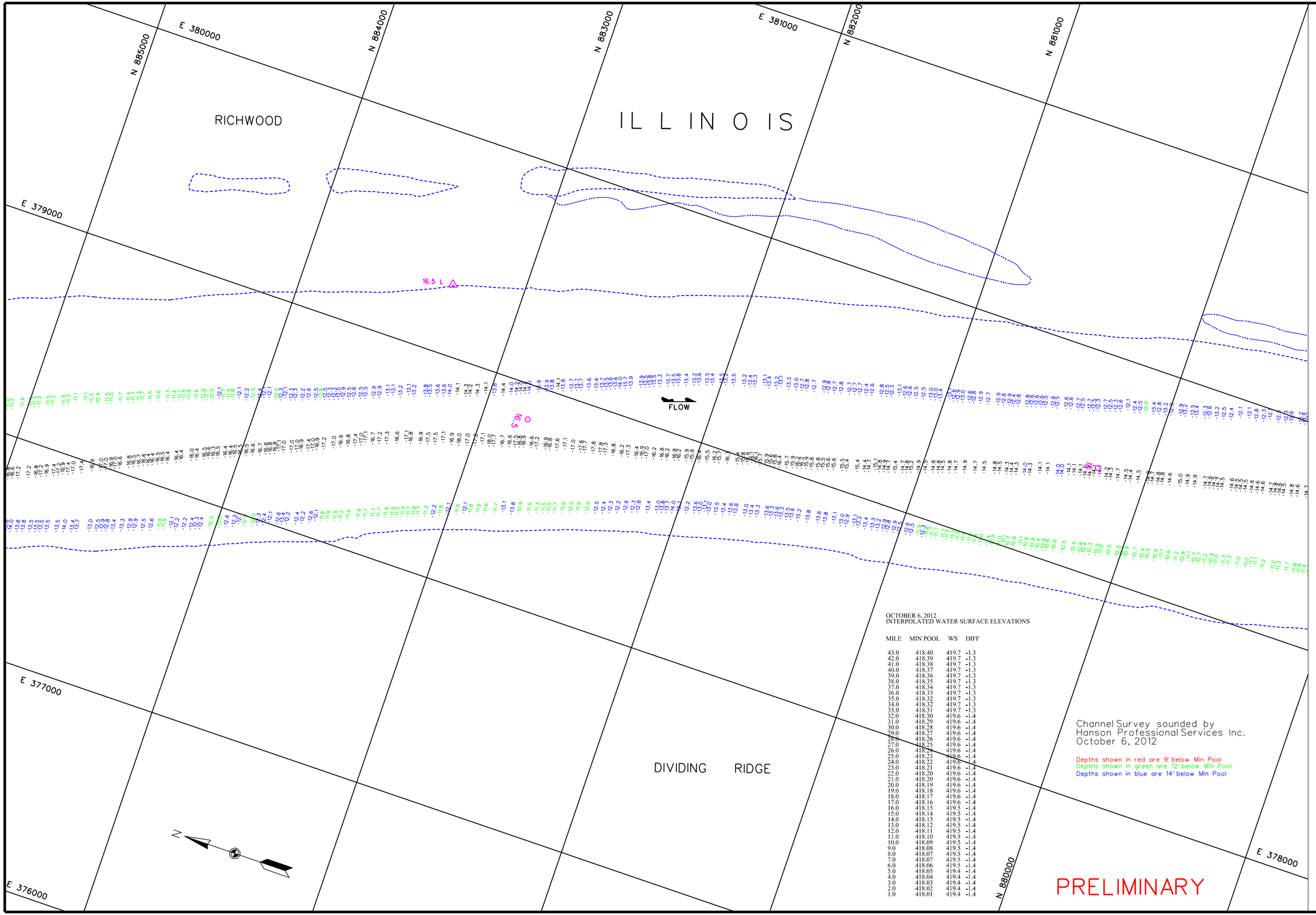
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 18.0 - 16.9

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
59



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00) 419.6 (14:00)	419.4 (08:00) 419.4 (14:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (54,000 C.F.S.

Survey Date: October 6, 2012

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 843_8080_20612.dgn

Plot date: October 11, 2012

Plot scale: 1" = 200'

Surveyed by: HANSON

Drawn by: RCA

Ckd by: RCA

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 16.9 - 15.9

120 METERS 400 FEET
60 0 0 200
60 200

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

PLATE NUMBER
60

OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

E 382000
N 880000
N 879000
N 878000
E 383000
E 381000
E 380000
E 379000
N 877000
N 876000
N 875000
N 874000
LEVEE
LEVEE
ILLINOIS
OTTER CREEK
DIVIDING RIDGE
HELMBOLD ISLAND
R 15.6 R
Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00) 419.6 (14:00)	419.4 (08:00) 419.4 (14:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (54.000 C.F.S.

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

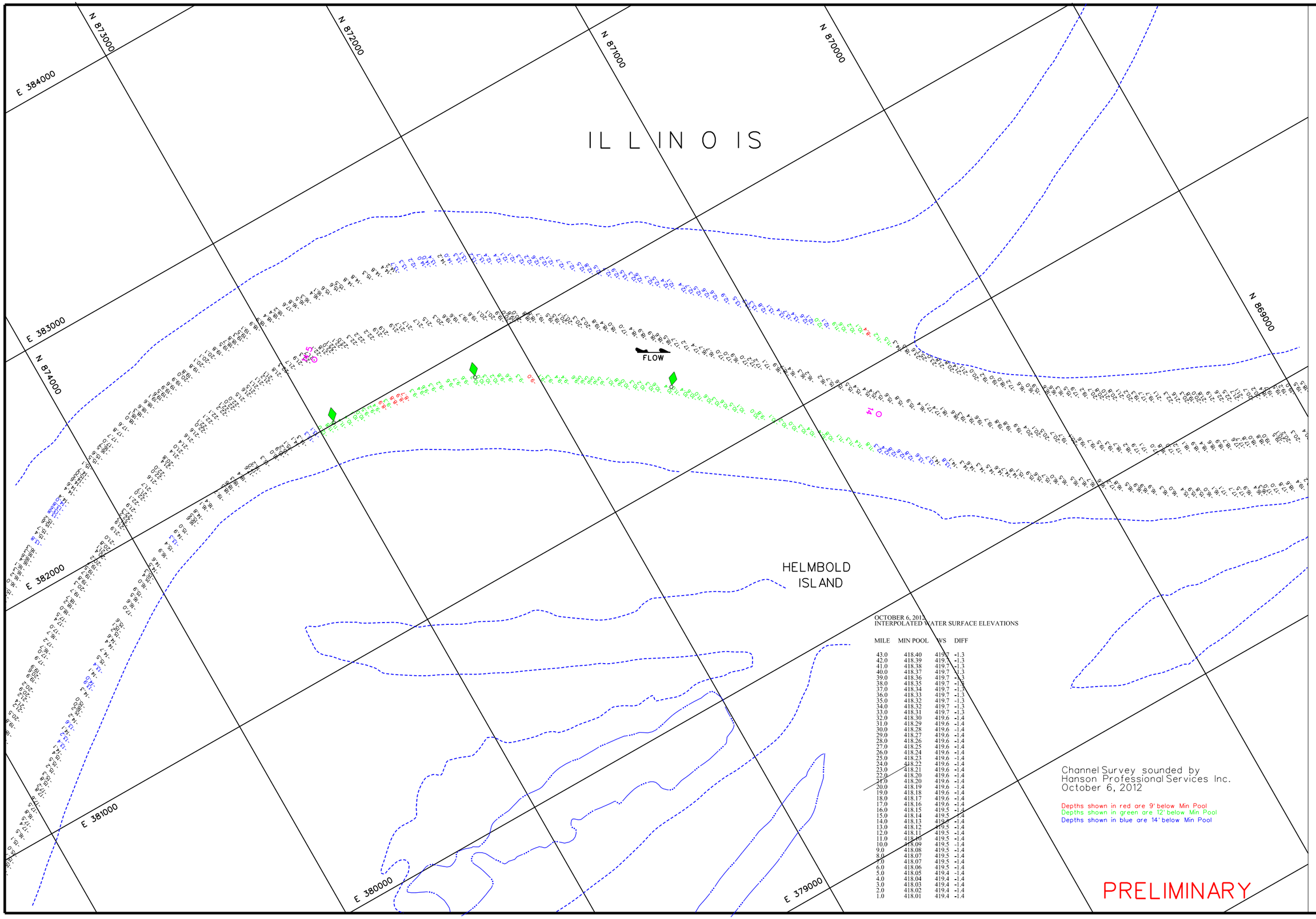
ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 15.9 - 14.8

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

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 843_20121006.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

120 METERS
400 FEET
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE CONDITIONS AS SURVEYED ON THE DATES INDICATED AND IS ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
61



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00)	419.4 (08:00)
		419.6 (14:00)	419.4 (14:00)

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

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

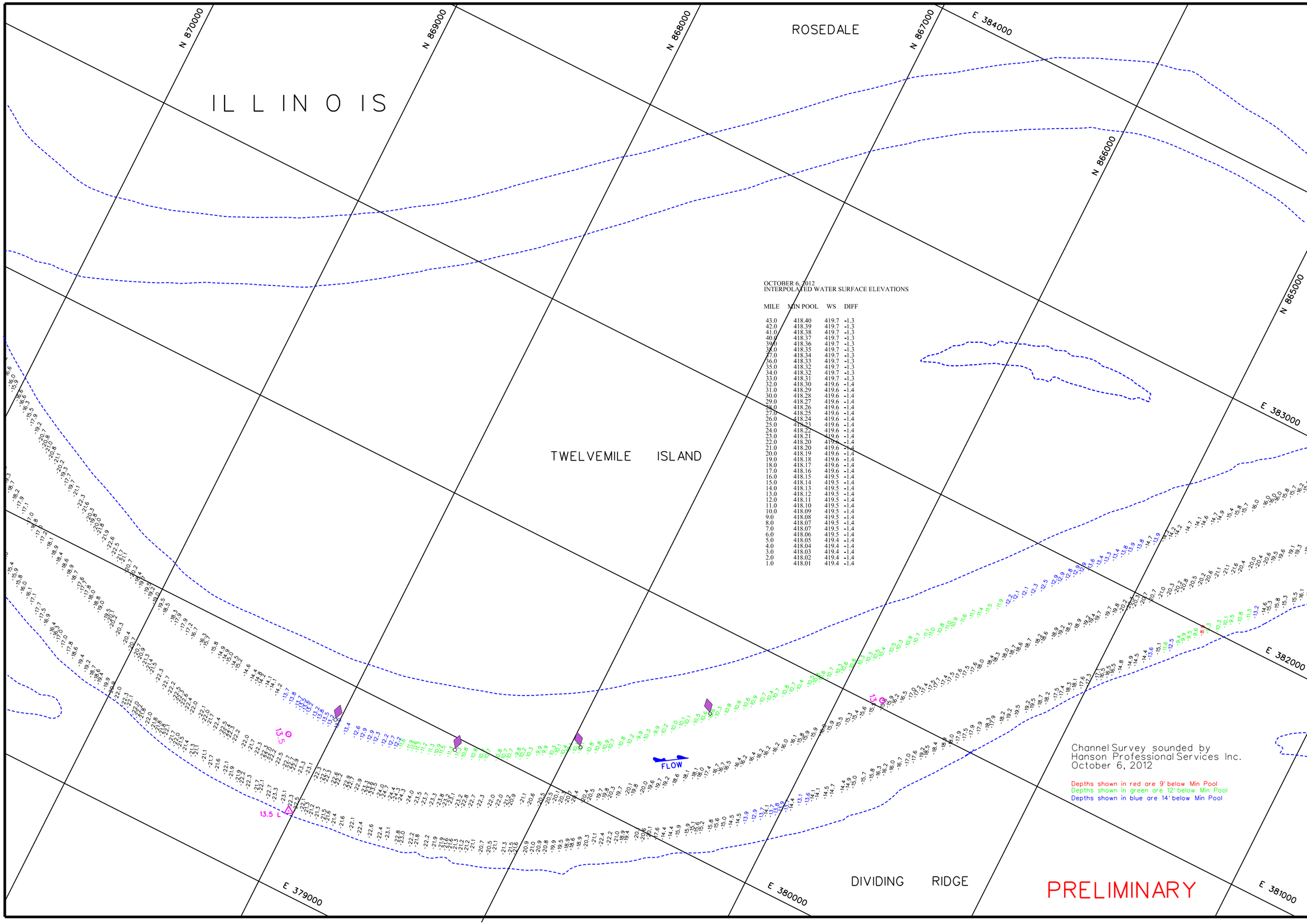
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 14.8 - 13.7

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
62



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00)	419.4 (08:00)
		419.6 (14:00)	419.4 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

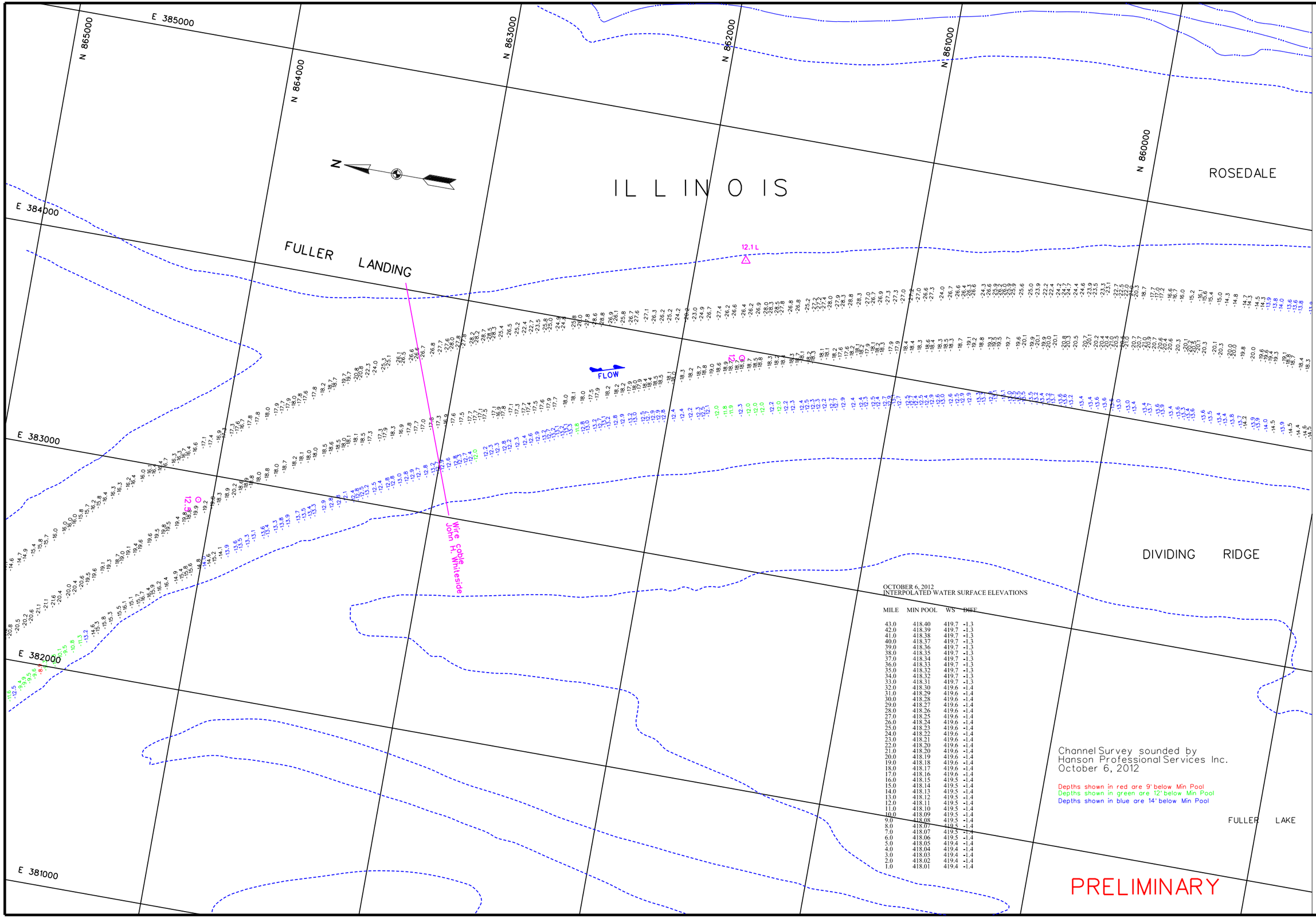
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 13.7 - 12.6

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
63



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00)	419.4 (08:00)
		419.6 (14:00)	419.4 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: RCA
Ckd by: RCA
Reviewed by:
APPROVED:
Chief, GeospatialBranch

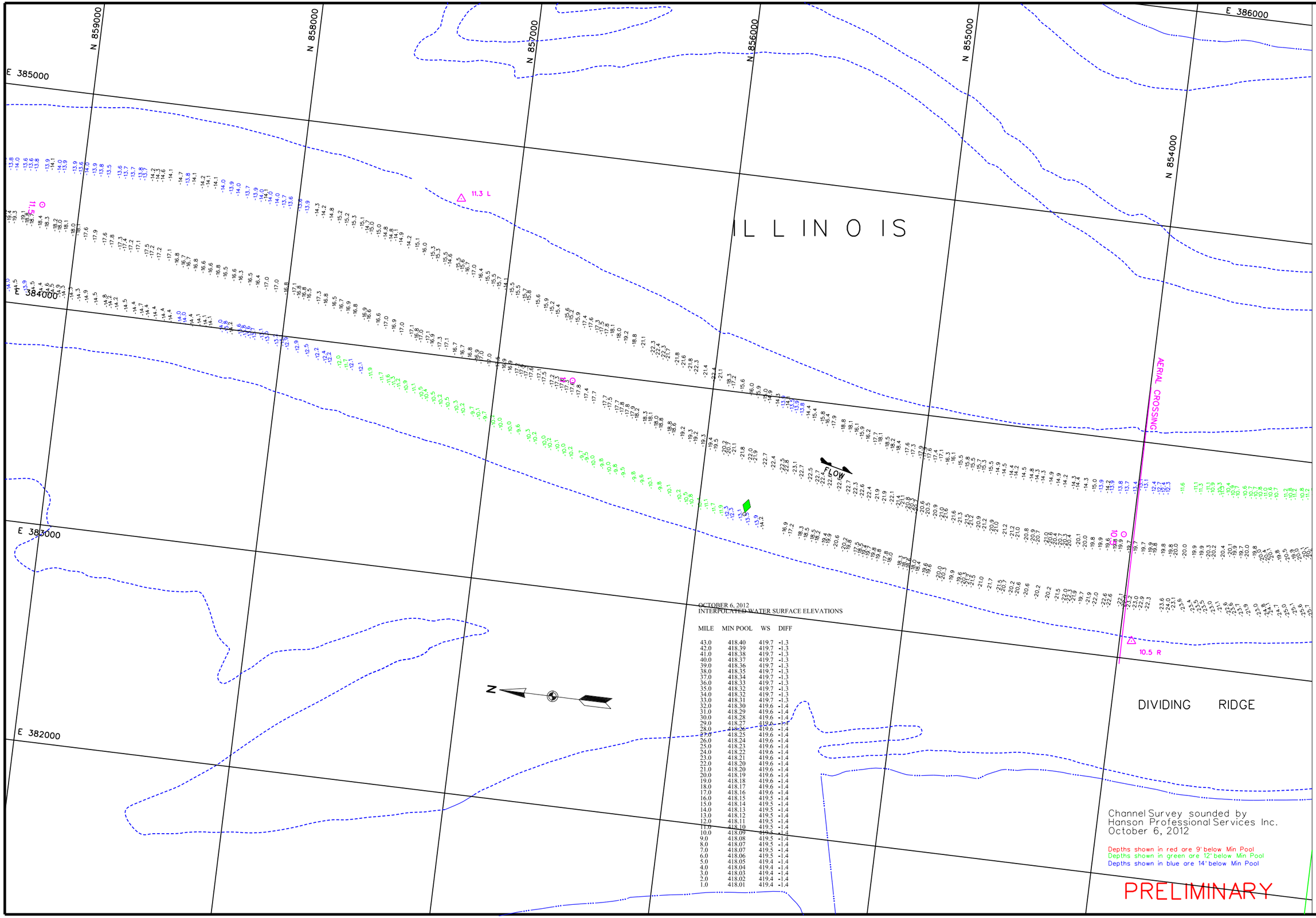
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 12.6 - 11.6

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
64



US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE		06 OCT 2012	419.6 (09:00)	419.4 (09:00)
			419.6 (14:00)	419.4 (14:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1956.57 LOW WATER REFERENCE PLANE (LARGO 154.000 C.F.S.)

Survey Date: October 6, 2012

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 843_20121012.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

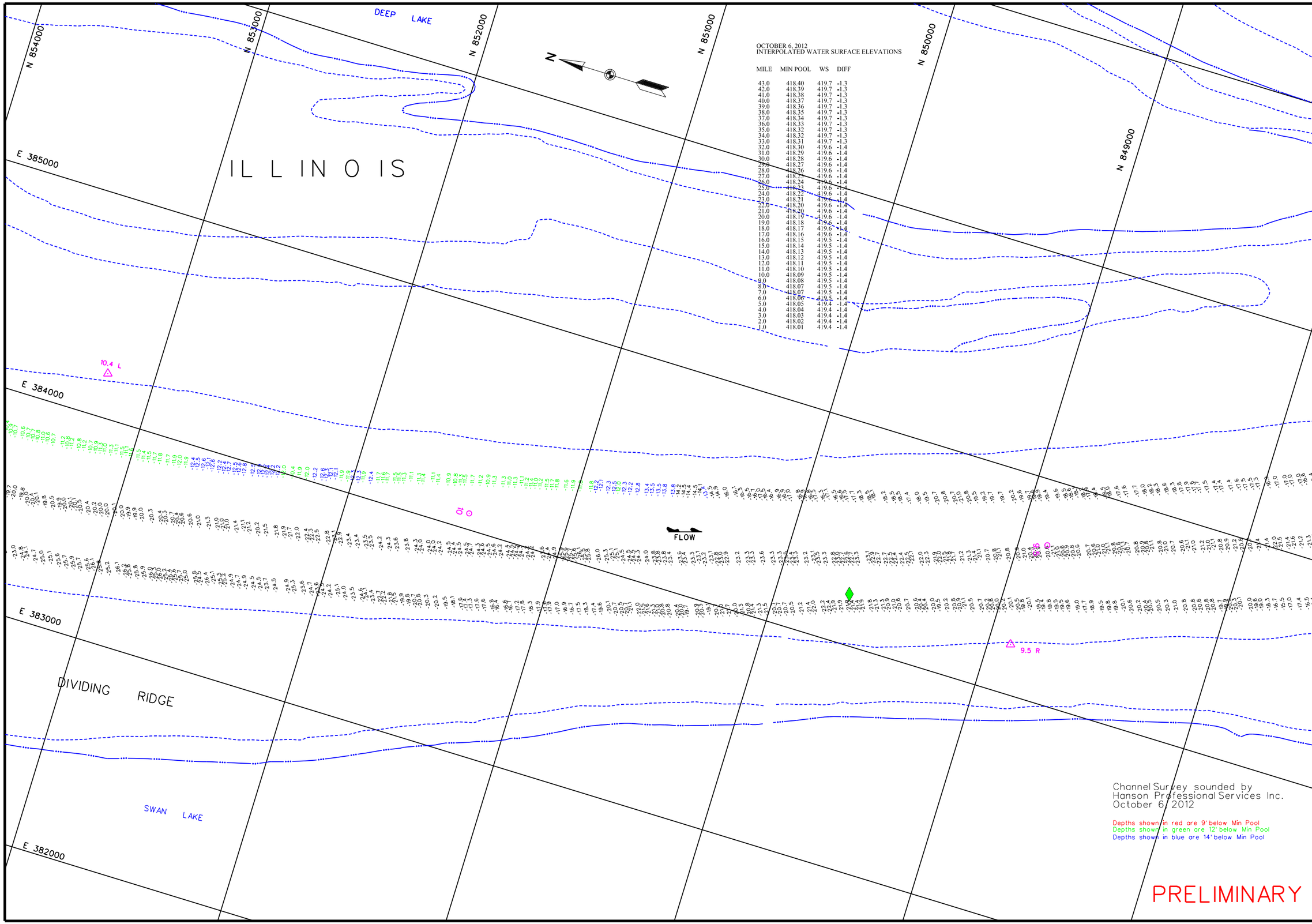
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 11.6 - 10.4

120 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP AND REFERENCED BY THE RECIPIENT IS ACCURATE AS OF THE DATE OF THE SURVEY AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
65



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00)	419.4 (08:00)
		419.6 (14:00)	419.4 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

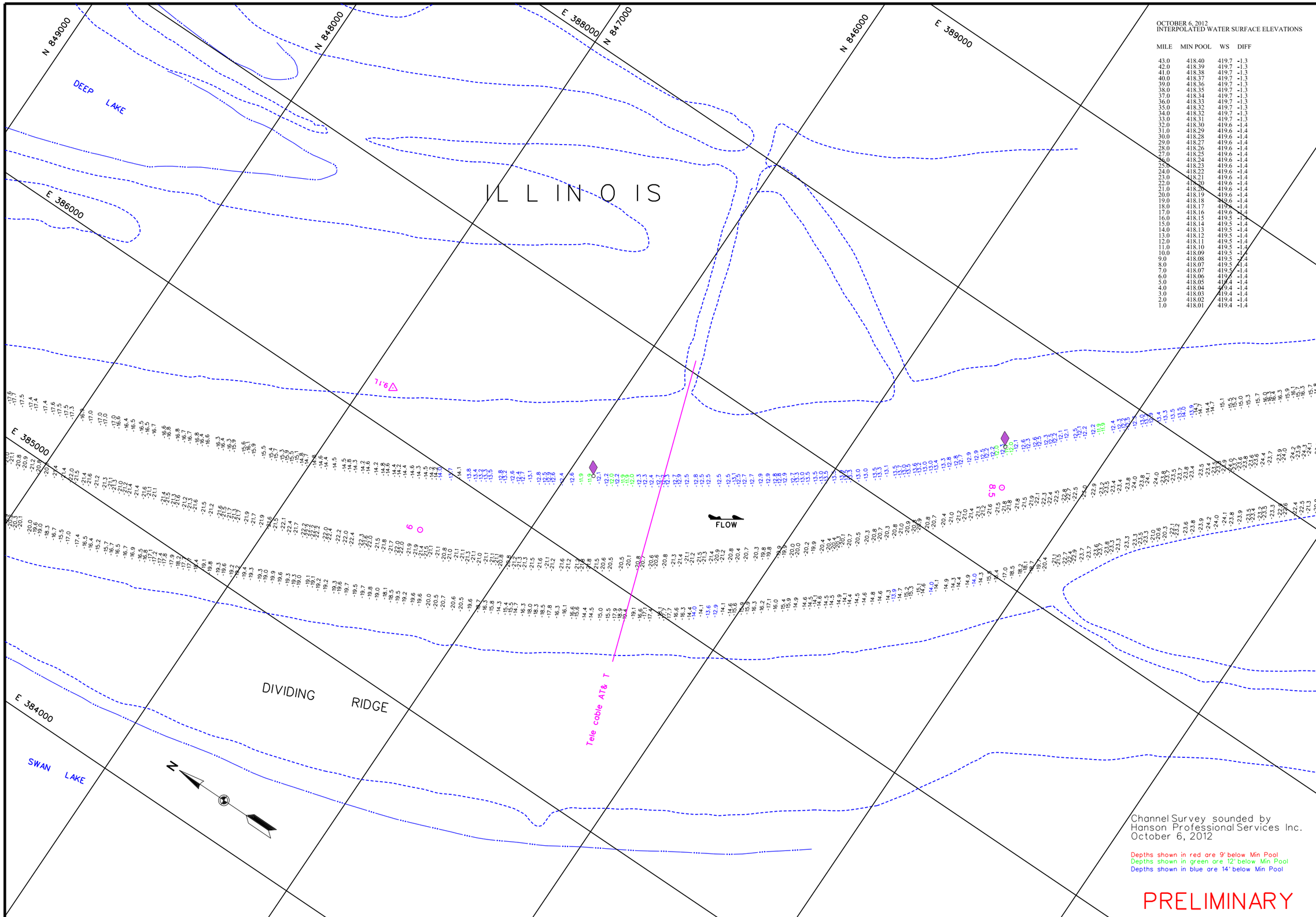
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 10.4 - 9.3

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
66



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00)	419.4 (08:00)
		419.6 (14:00)	419.4 (14:00)

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.

Survey Date: October 6, 2012

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 043.000J0612.dgn

Plot date: October 11, 2012

Plot scale: 1" = 200'

Surveyed by: HANSON

Drawn by: RCA

Ckd by: RCA

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 9.3 - 8.3

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

67

E 390000
N 844000
E 391000
N 843000
N 842000
E 392000
N 841000
N 840000
E 393000
E 389000
E 388000
E 387000
E 391000

EAGLE LAKE

ILLINOIS

QUARRY

FULKERSON LANDING

SIXMILE SLOUGH

SWAN LAKE

FLOW

N

8.3 R

OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE		06 OCT 2012	419.6 (08:00) 419.6 (14:00)	419.4 (08:00) 419.4 (14:00)

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

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 843_20121012.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

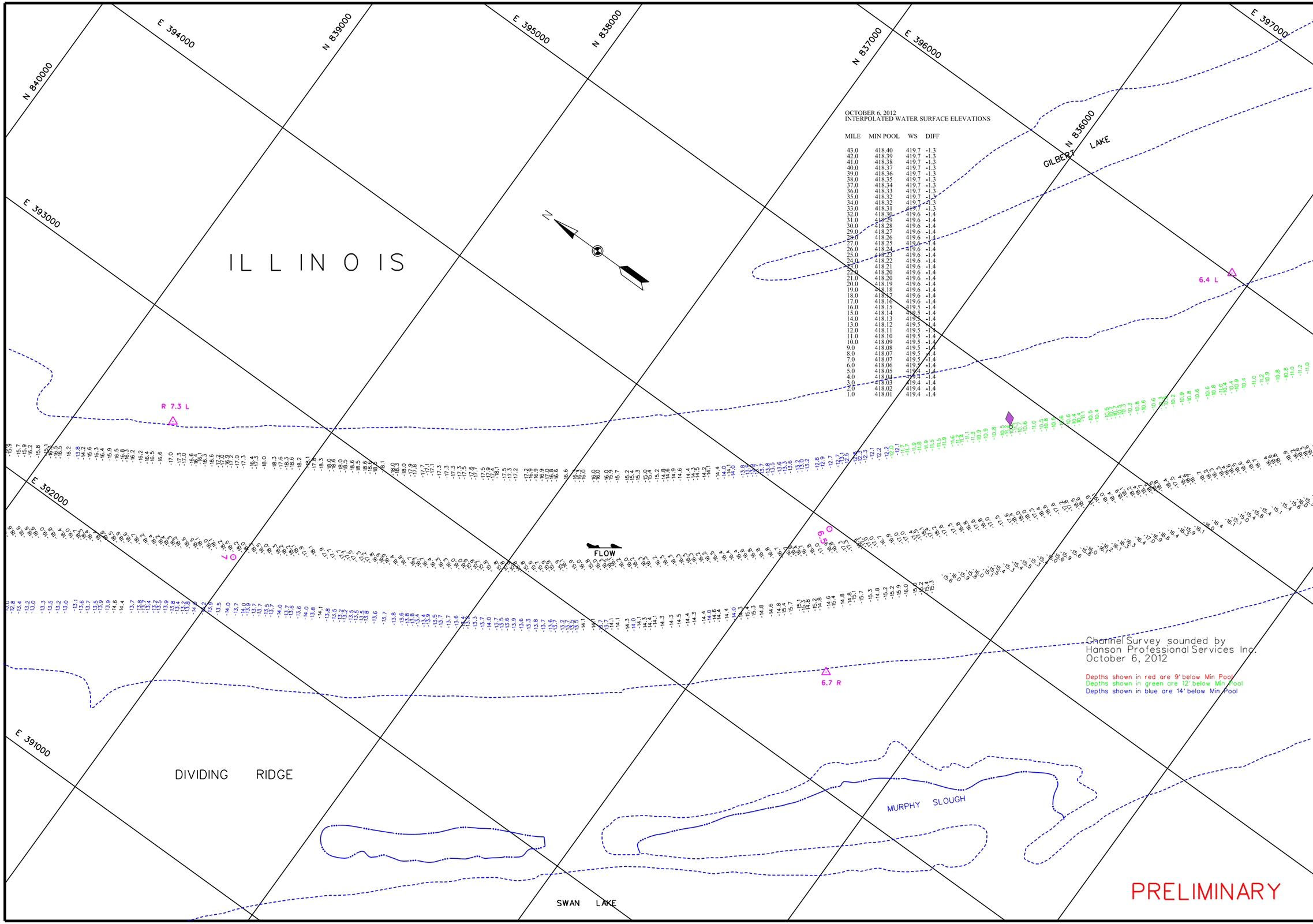
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 8.3 - 7.2

120 METERS 60 0 0 200 400 FEET
60 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND MAY NOT BE ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
68



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00)	419.4 (08:00)
		419.6 (14:00)	419.4 (14:00)

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.

Survey Date: October 6, 2012

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

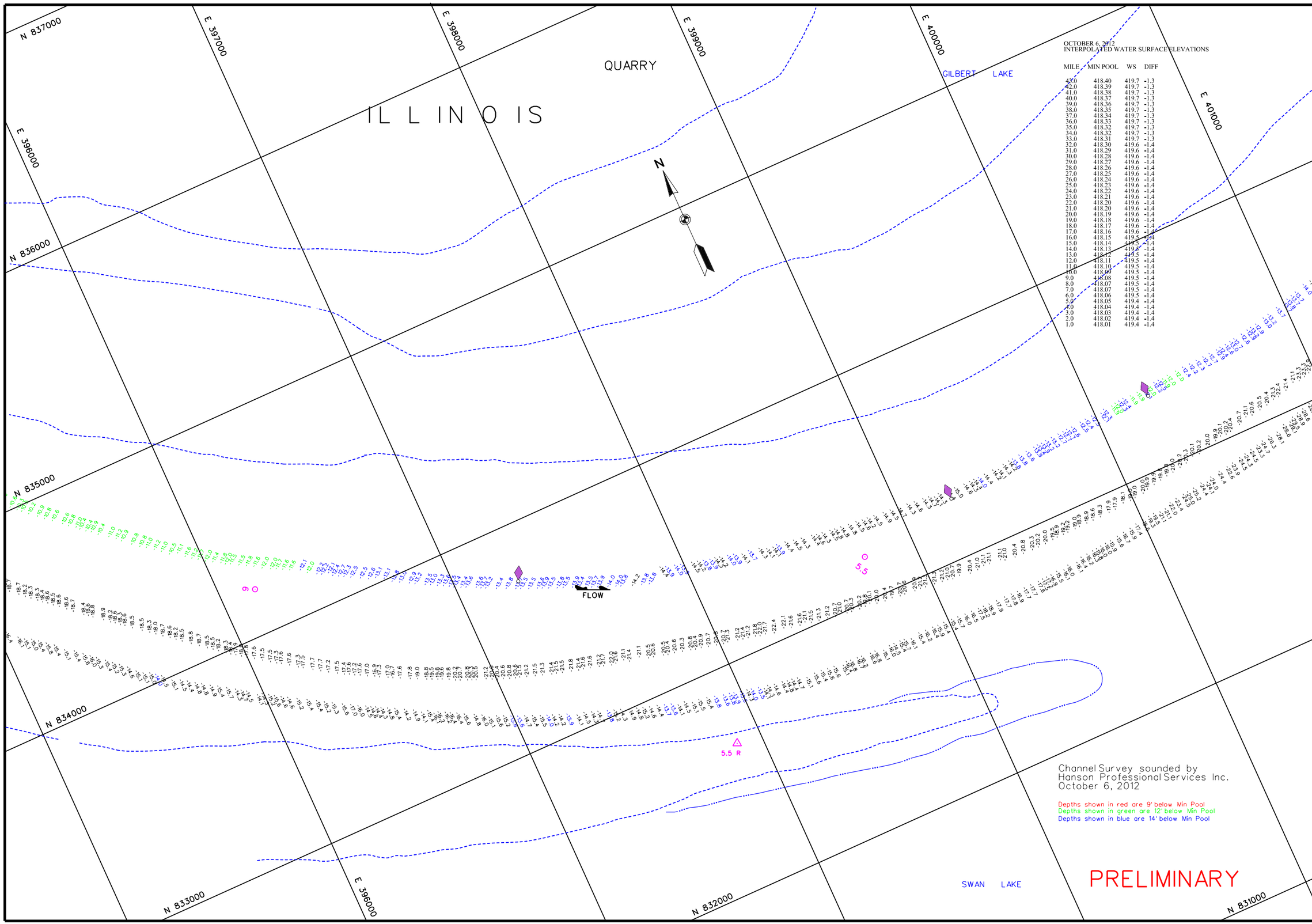
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 7.2 - 6.1

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
69



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00)	419.4 (08:00)
		419.6 (14:00)	419.4 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

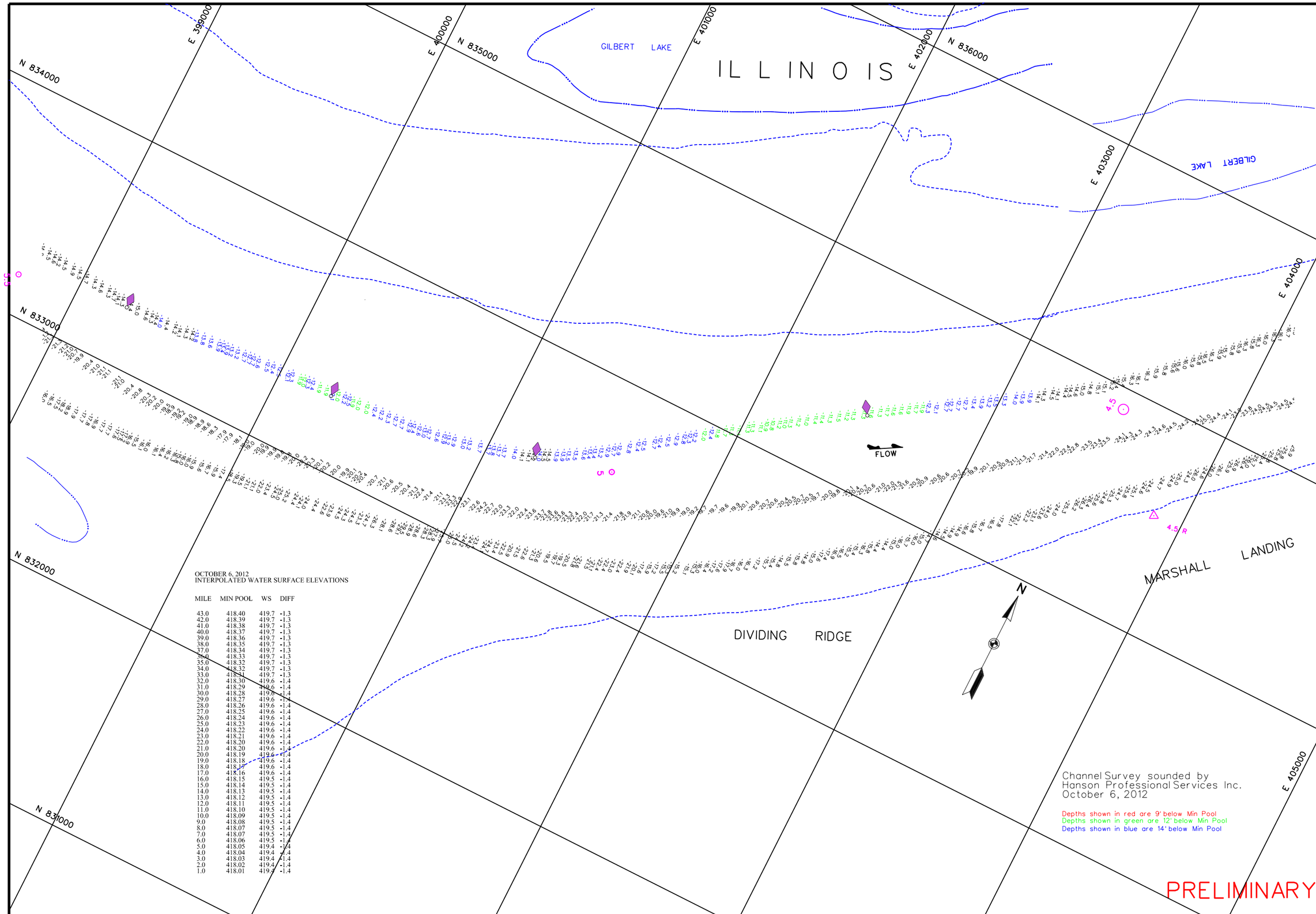
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 6.1 - 5.3

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
70



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00)	419.4 (08:00)
		419.6 (14:00)	419.4 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

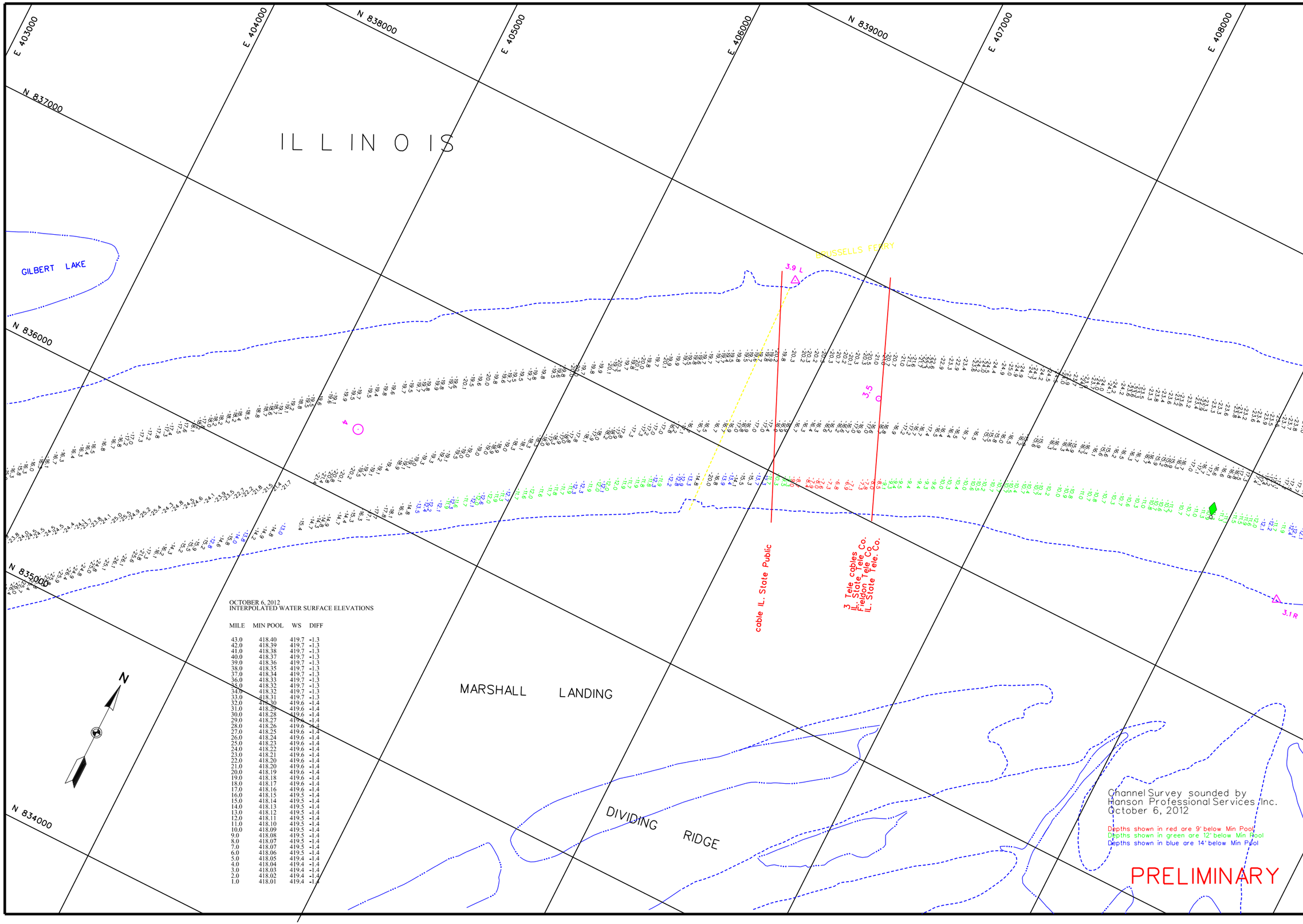
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 5.3 - 4.4

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
71



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00)	419.4 (08:00)
		419.6 (14:00)	419.4 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

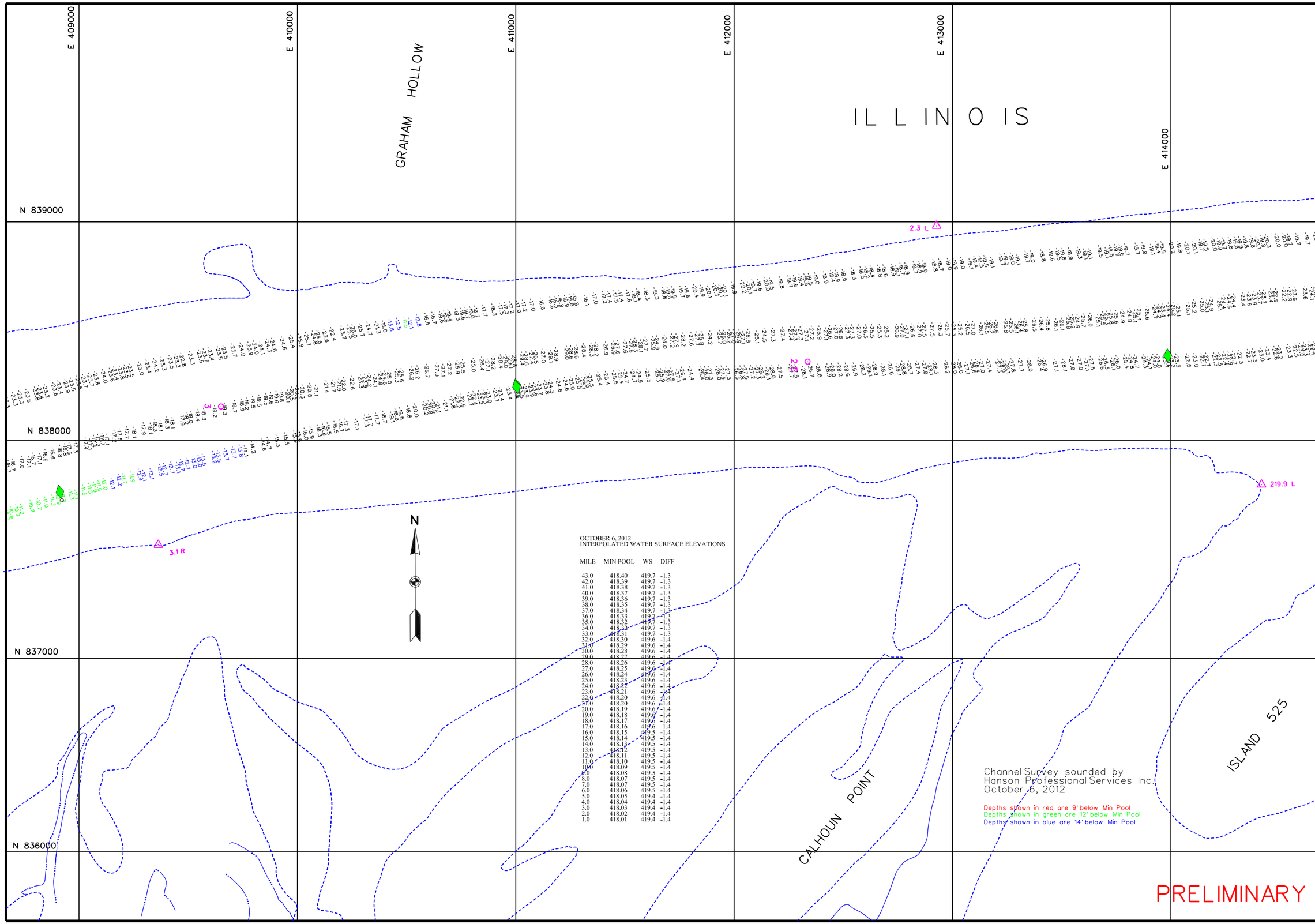
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 4.4 - 3.1

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
72



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00)	419.4 (08:00)
		419.6 (14:00)	419.4 (14:00)

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.

Survey Date: October 6, 2012

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 043.000J0612.dgn

Plot date: October 11, 2012
Plot scale: 1" = 200'

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

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

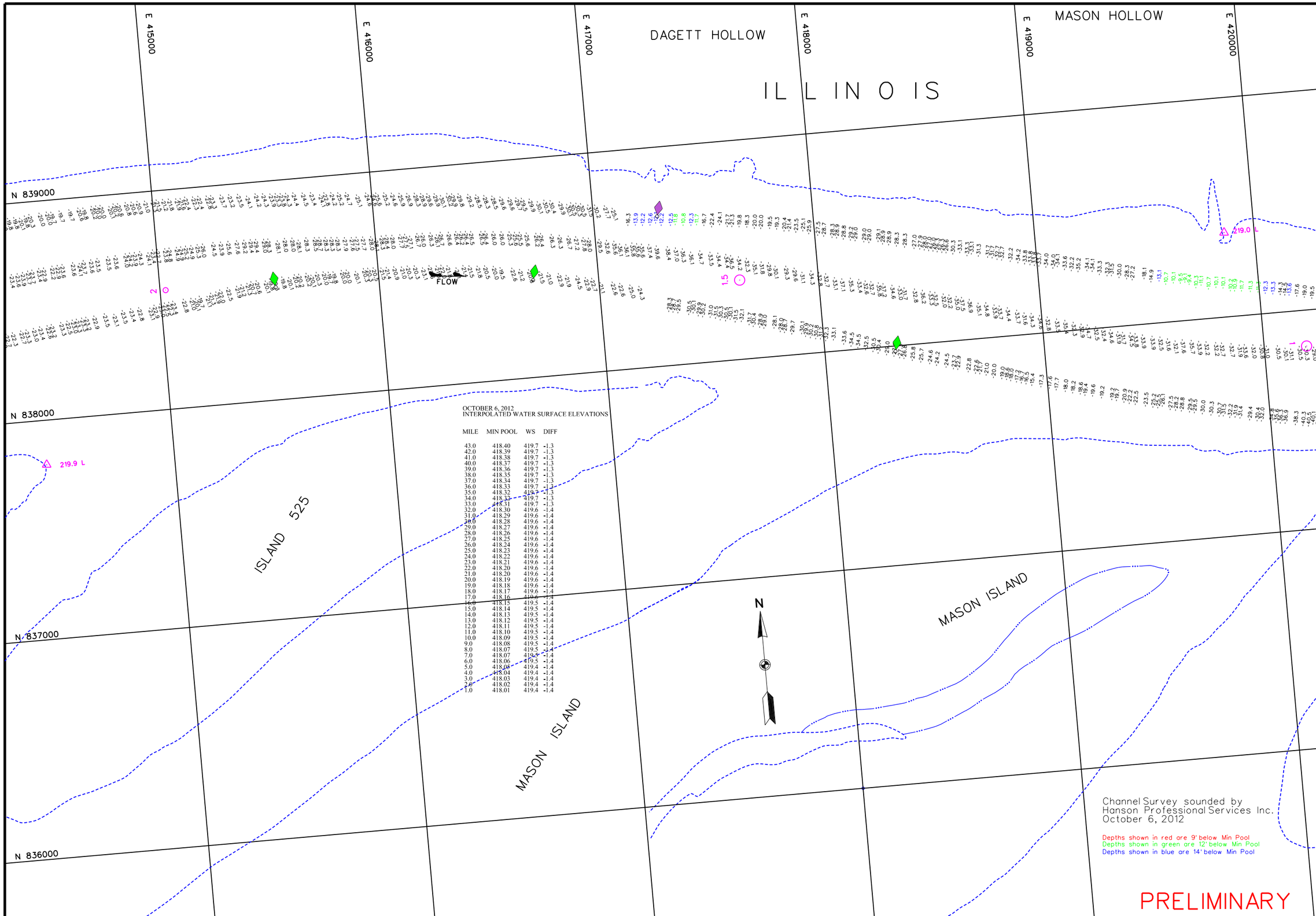
ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 3.1 - 2.1

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

73



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D		400.0	403.8
MILE		21.5	0.0
MIN POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00)	419.4 (08:00)
		419.6 (14:00)	419.4 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

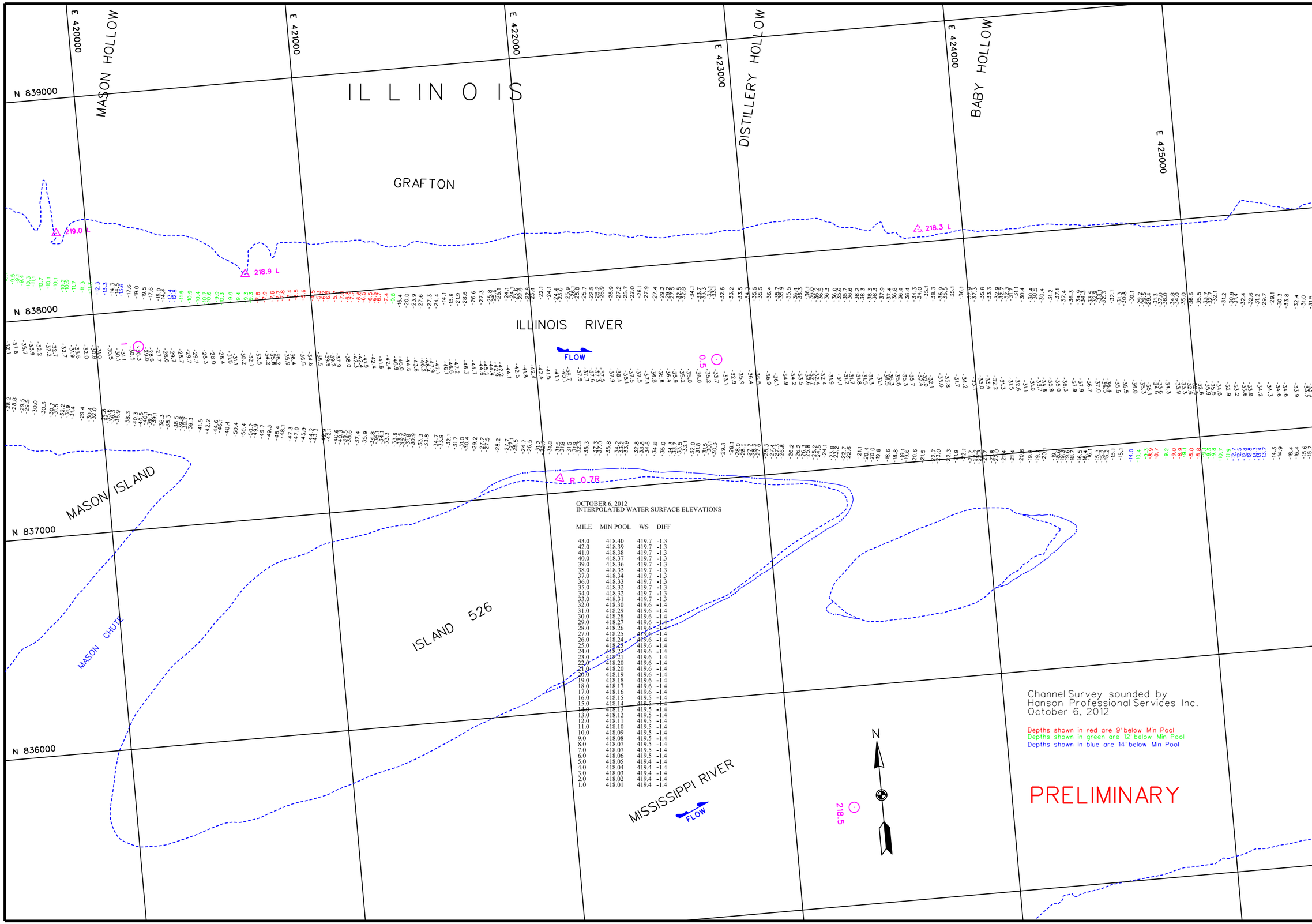
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 2.1 - 1.0

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
74



OCTOBER 6, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
43.0	418.40	419.7	-1.3
42.0	418.39	419.7	-1.3
41.0	418.38	419.7	-1.3
40.0	418.37	419.7	-1.3
39.0	418.36	419.7	-1.3
38.0	418.35	419.7	-1.3
37.0	418.34	419.7	-1.3
36.0	418.33	419.7	-1.3
35.0	418.32	419.7	-1.3
34.0	418.32	419.7	-1.3
33.0	418.31	419.7	-1.3
32.0	418.30	419.6	-1.4
31.0	418.29	419.6	-1.4
30.0	418.28	419.6	-1.4
29.0	418.27	419.6	-1.4
28.0	418.26	419.6	-1.4
27.0	418.25	419.6	-1.4
26.0	418.24	419.6	-1.4
25.0	418.23	419.6	-1.4
24.0	418.22	419.6	-1.4
23.0	418.21	419.6	-1.4
22.0	418.20	419.6	-1.4
21.0	418.20	419.6	-1.4
20.0	418.19	419.6	-1.4
19.0	418.18	419.6	-1.4
18.0	418.17	419.6	-1.4
17.0	418.16	419.6	-1.4
16.0	418.15	419.5	-1.4
15.0	418.14	419.5	-1.4
14.0	418.13	419.5	-1.4
13.0	418.12	419.5	-1.4
12.0	418.11	419.5	-1.4
11.0	418.10	419.5	-1.4
10.0	418.09	419.5	-1.4
9.0	418.08	419.5	-1.4
8.0	418.07	419.5	-1.4
7.0	418.07	419.5	-1.4
6.0	418.06	419.5	-1.4
5.0	418.05	419.4	-1.4
4.0	418.04	419.4	-1.4
3.0	418.03	419.4	-1.4
2.0	418.02	419.4	-1.4
1.0	418.01	419.4	-1.4

Channel Survey sounded by
Hanson Professional Services Inc.
October 6, 2012

Depths shown in red are 9' below Min Pool
Depths shown in green are 12' below Min Pool
Depths shown in blue are 14' below Min Pool

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN POOL		418.2	418.0
DATE	06 OCT 2012	419.6 (08:00)	419.4 (08:00)
		419.6 (14:00)	419.4 (14:00)

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.

Survey Date: October 6, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 043.000J0612.dgn
Plot date: October 11, 2012
Plot scale: 1" = 200'

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

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

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 1.1 - 0

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
75