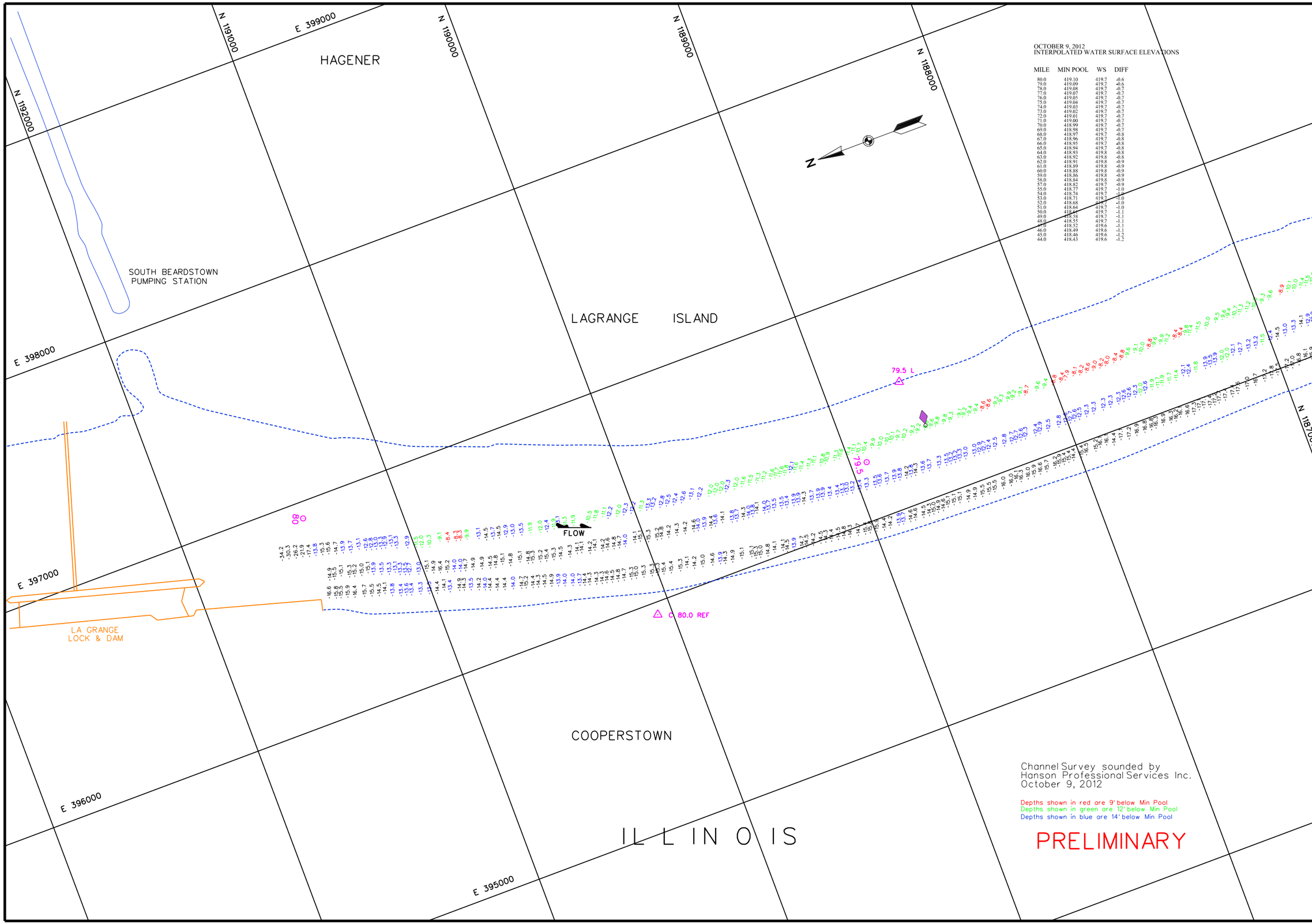


OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

US Army Corps of Engineers
St. Louis District

GAGE RECORD

WATER SURFACE	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D.	413.5	418.0
MILE	80.3	70.8
MIN POOL	419.1	419.0
DATE	09 OCT 2012 419.7 (09-00) 419.7 (16-00)	419.7 (09-00) 419.7 (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 9, 2012

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

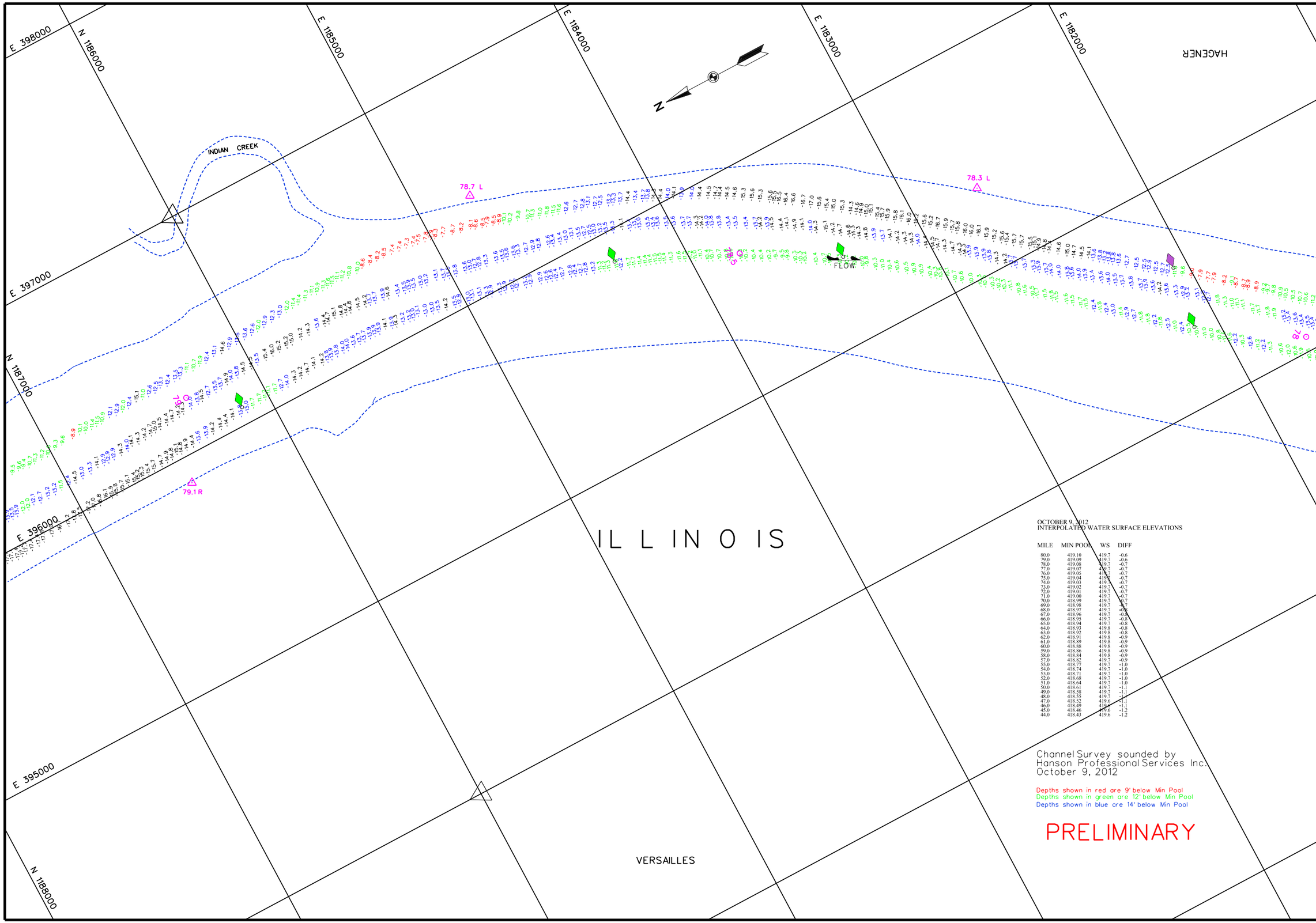
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 088_0430_2012.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

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

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

120 METERS
400 FEET
THE REPRESENTATION REPRESENTED ON THIS MAP AND PRESENTS THE RESULTS OF SURVEY INFORMATION, BASED ON INDICATIONS OF THE SURVEYED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
1



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.7
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	LAGRANGE LOCK (L)	MERIDOSIA
ZERO N.G.V.D.		413.5	418.0
MILE		80.3	70.8
MIN POOL		419.1	419.0
DATE	09 OCT 2012	419.7 (09-00) 419.7 (16-00)	419.7 (09-00) 419.7 (15-00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1994-97 LOW WATER REFERENCE PLANE (L.W.R.P.) (54.000 C.F.S.)

Surveyed by: HANSON
Survey Date: October 9, 2012
Drawn by: RCA
Ckd by: RCA
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
Reviewed by:
File name: 080_0413U012.dgn
Plot date: October 15, 2012
Plot scale:
APPROVED:
Chief, Geospatial Branch

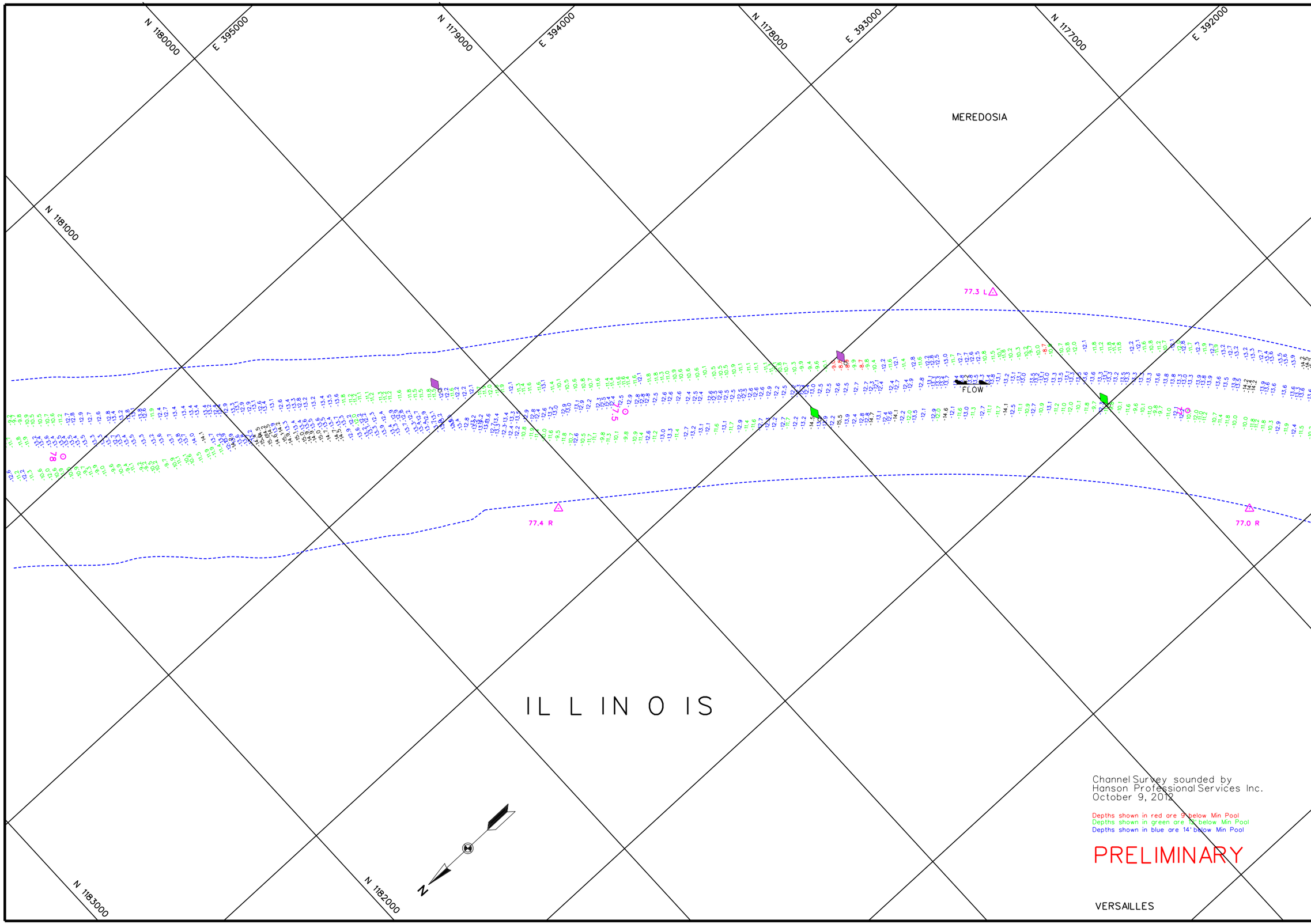
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

120 METERS 60 0 60
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SITE SPECIFIC SURVEYS. THE RESULTS MAY BE INTERPRETED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
2



Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D.		413.5	418.0
MILE		80.3	70.8
MIN POOL		419.1	419.0
DATE	09 OCT 2012	419.7 (09:00)	419.7 (09:00)
		419.7 (16:00)	419.7 (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 9, 2012

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080.0433@912.dgn

Plot date: October 15, 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

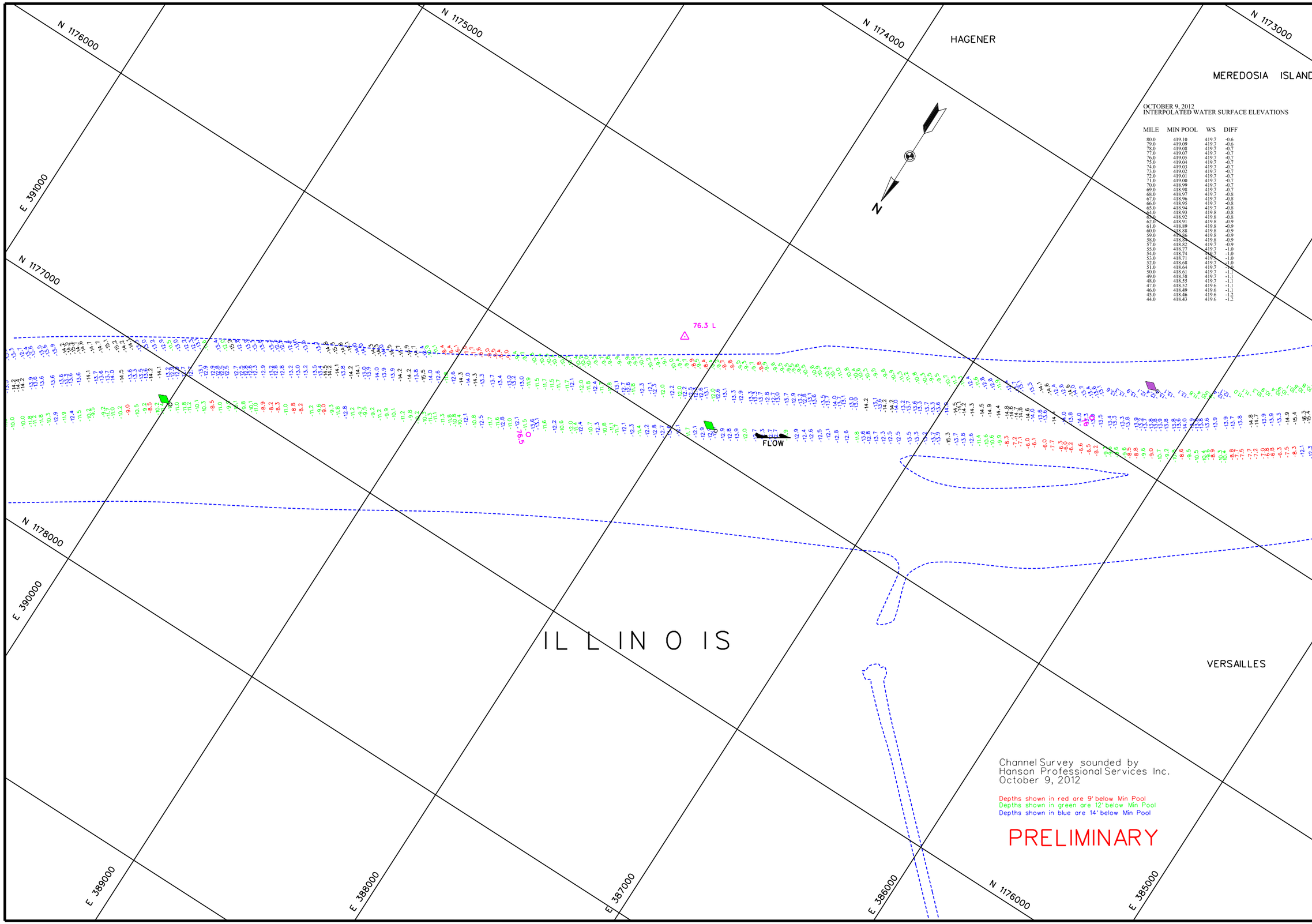
ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

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

3



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D.		413.5	418.0
MILE		80.3	70.8
MIN POOL		419.1	419.0
DATE	09 OCT 2012	419.7 (09:00)	419.7 (09:00)
		419.7 (16:00)	419.7 (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 9, 2012

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080.043J0912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

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

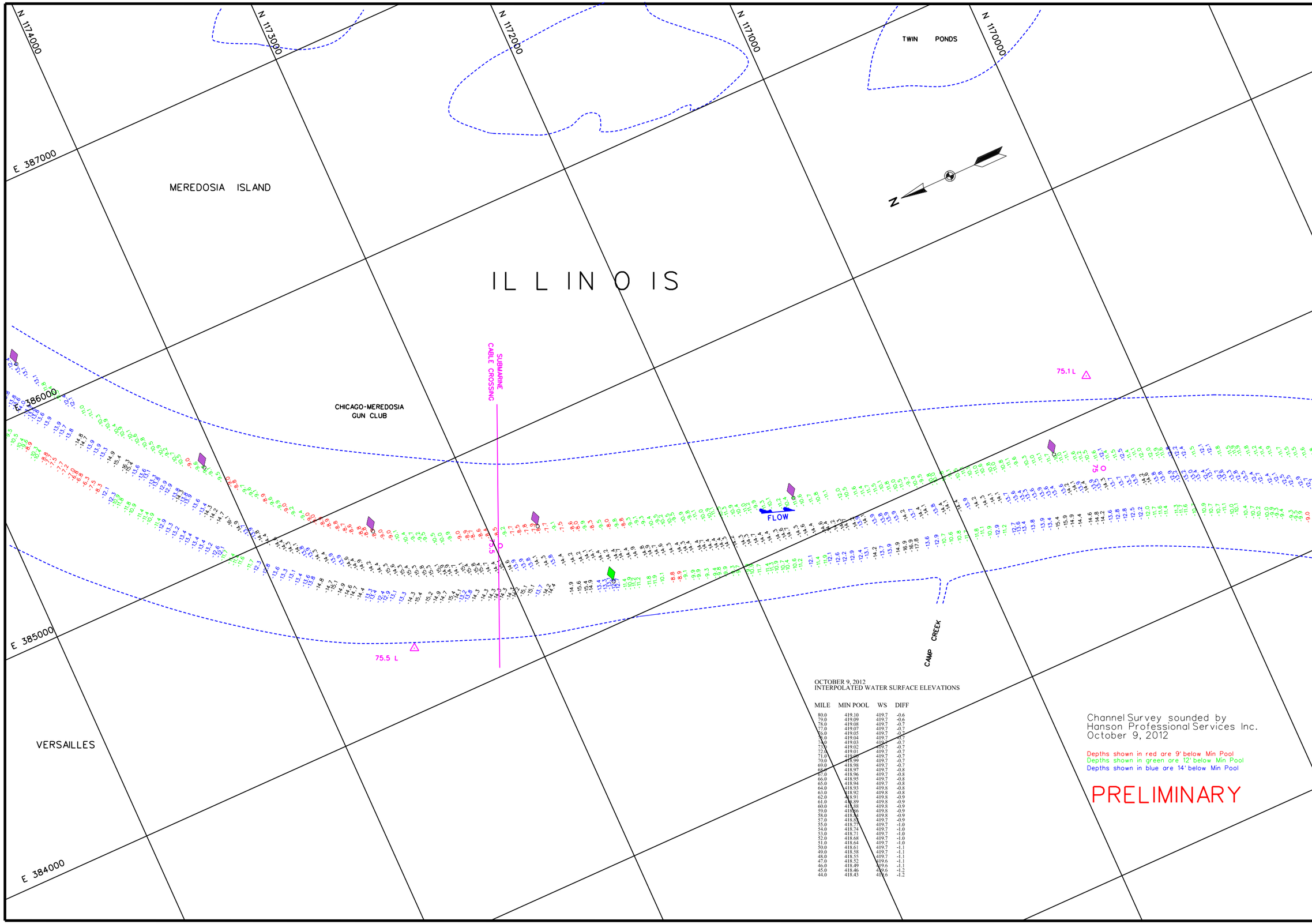
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 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
4



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.83	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D		413.5	418.0
MILE		80.3	70.8
MIN POOL		419.1	419.0
DATE	09 OCT 2012	419.7 (09:00)	419.7 (09:00)
		419.7 (16:00)	419.7 (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 9, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.04330912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

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

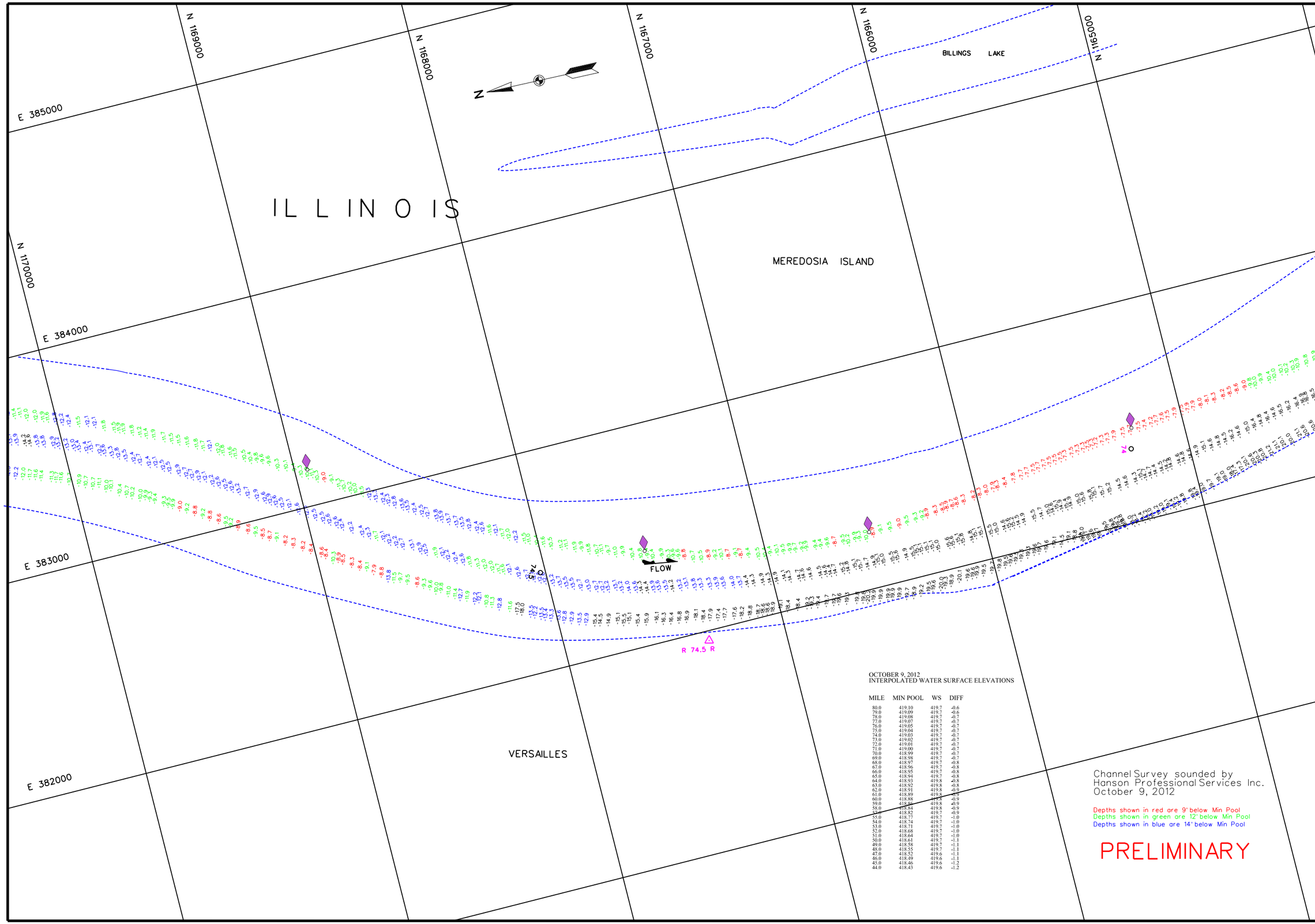
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 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
5



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D.		413.5	418.0
MILE		80.3	70.8
MIN POOL		419.1	419.0
DATE	09 OCT 2012	419.7 (09:00)	419.7 (09:00)
		419.7 (16:00)	419.7 (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 9, 2012

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080.0433J0912.dgn
Plot date: October 15, 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

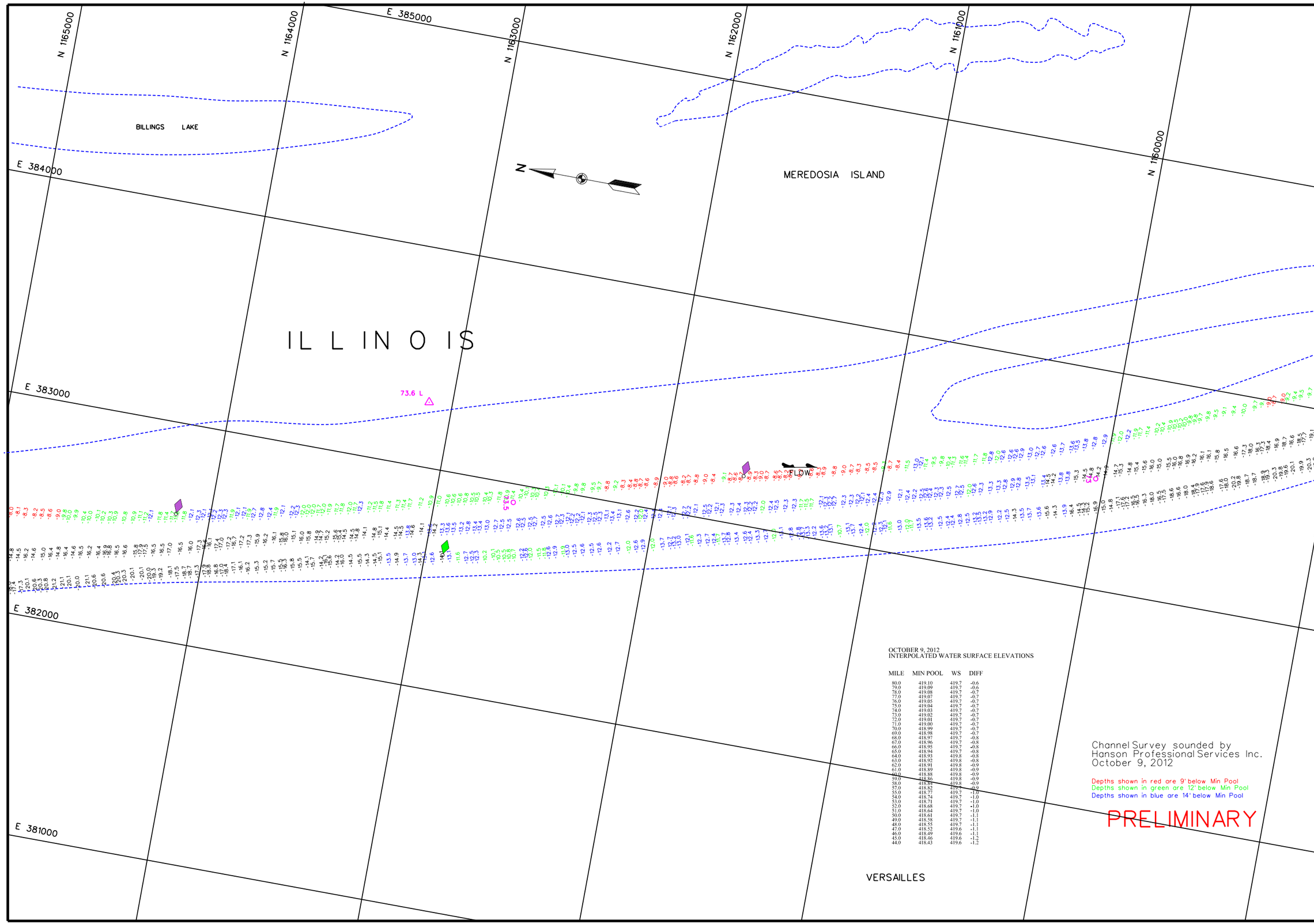
ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

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

6



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D.		413.5	418.0
MILE		80.3	70.8
MIN POOL		419.1	419.0
DATE	09 OCT 2012	419.7 (09:00)	419.7 (09:00)
		419.7 (16:00)	419.7 (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 9, 2012

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080.043J0912.dgn

Plot date: October 15, 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

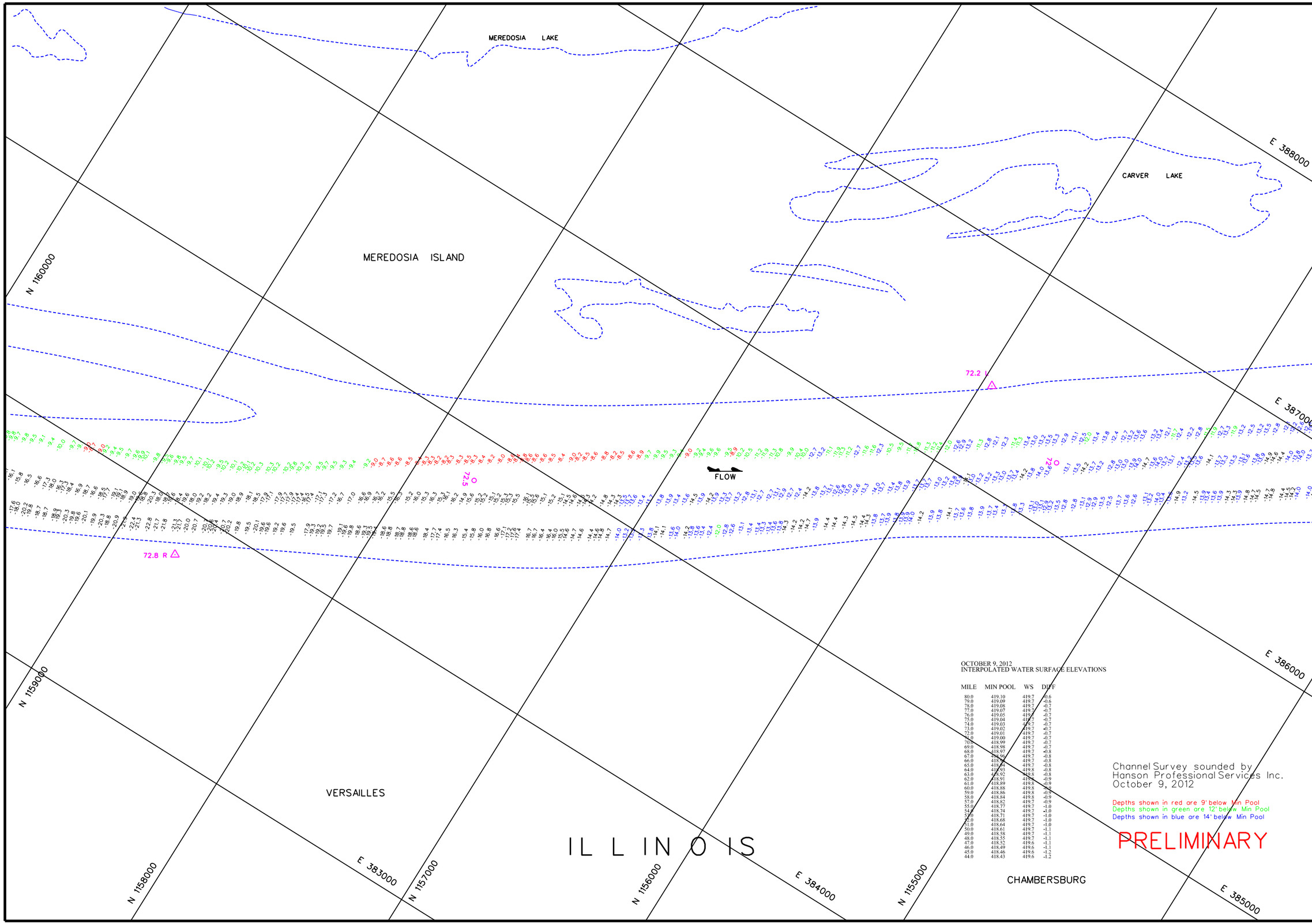
ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

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

7



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.94	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D.		413.5	418.0
MILE		80.3	70.8
MIN POOL		419.1	419.0
DATE	09 OCT 2012	419.7 (09-00)	419.7 (09-00)
		419.7 (16-00)	419.7 (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 9, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 888_0943_09012.dgn
Plot date: October 15, 2012
Plot scale: 1" = 2000'

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

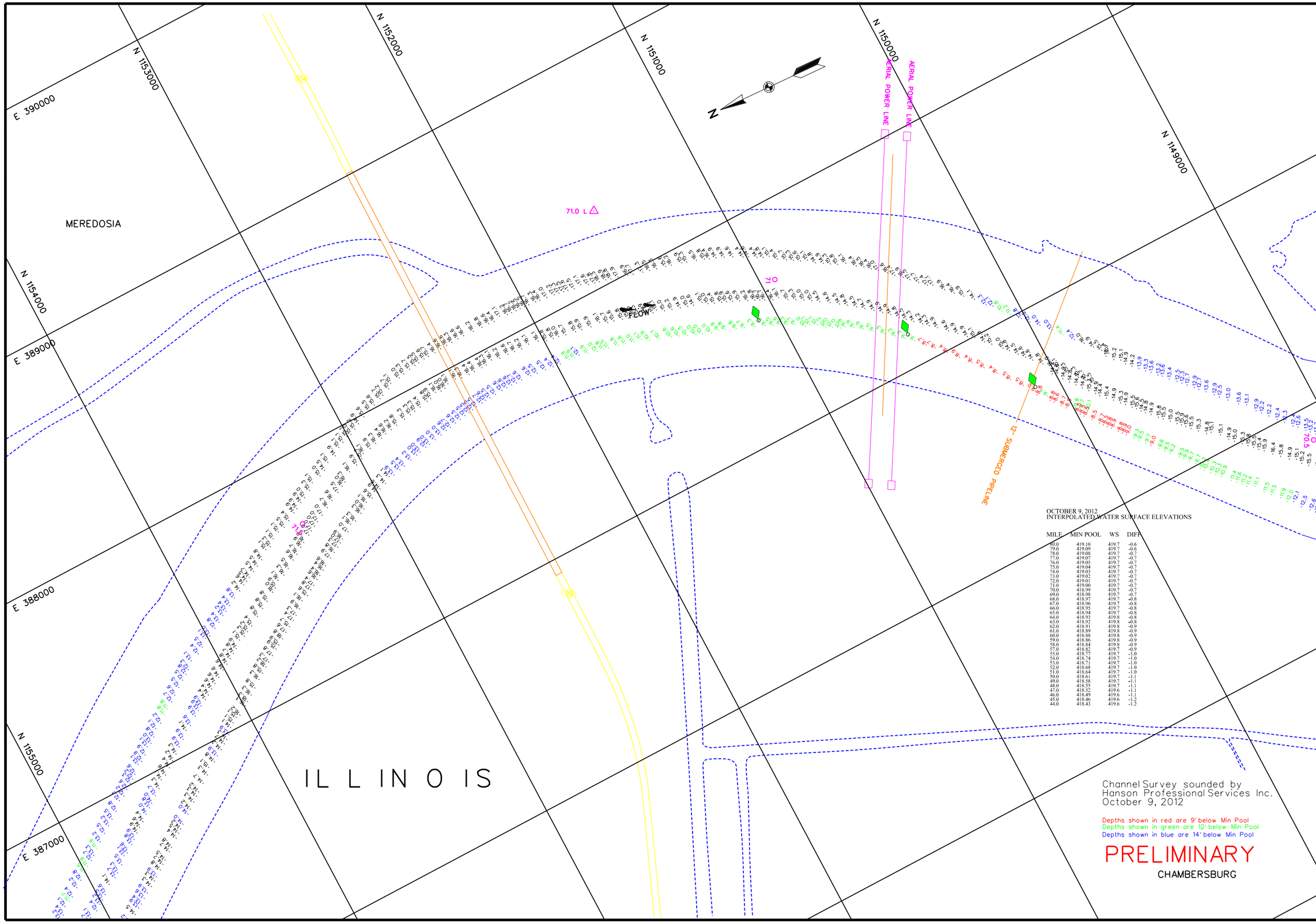
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

120 METERS 60 0 400 FEET 200 0 200 60

THE INFORMATION REPRESENTED ON THIS MAP AND DEPICTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED. THE RESULTS ARE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
8



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	LAGRANGE LOCK (L)	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		413.5	418.0	418.0
MILE		80.3	70.8	61.3
MIN POOL		419.1	419.0	418.9
DATE	09 OCT 2012	419.7 (09:00)	419.7 (09:00)	419.8 (09:00)
		419.7 (16:00)	419.7 (15:00)	419.8 (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.

Surveyed by: HANSON
Drawn by: RCA
Ckd by: RCA
Reviewed by:
APPROVED: Chief, Geospatial Branch
Survey Date: October 9, 2012
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: 088_0410912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

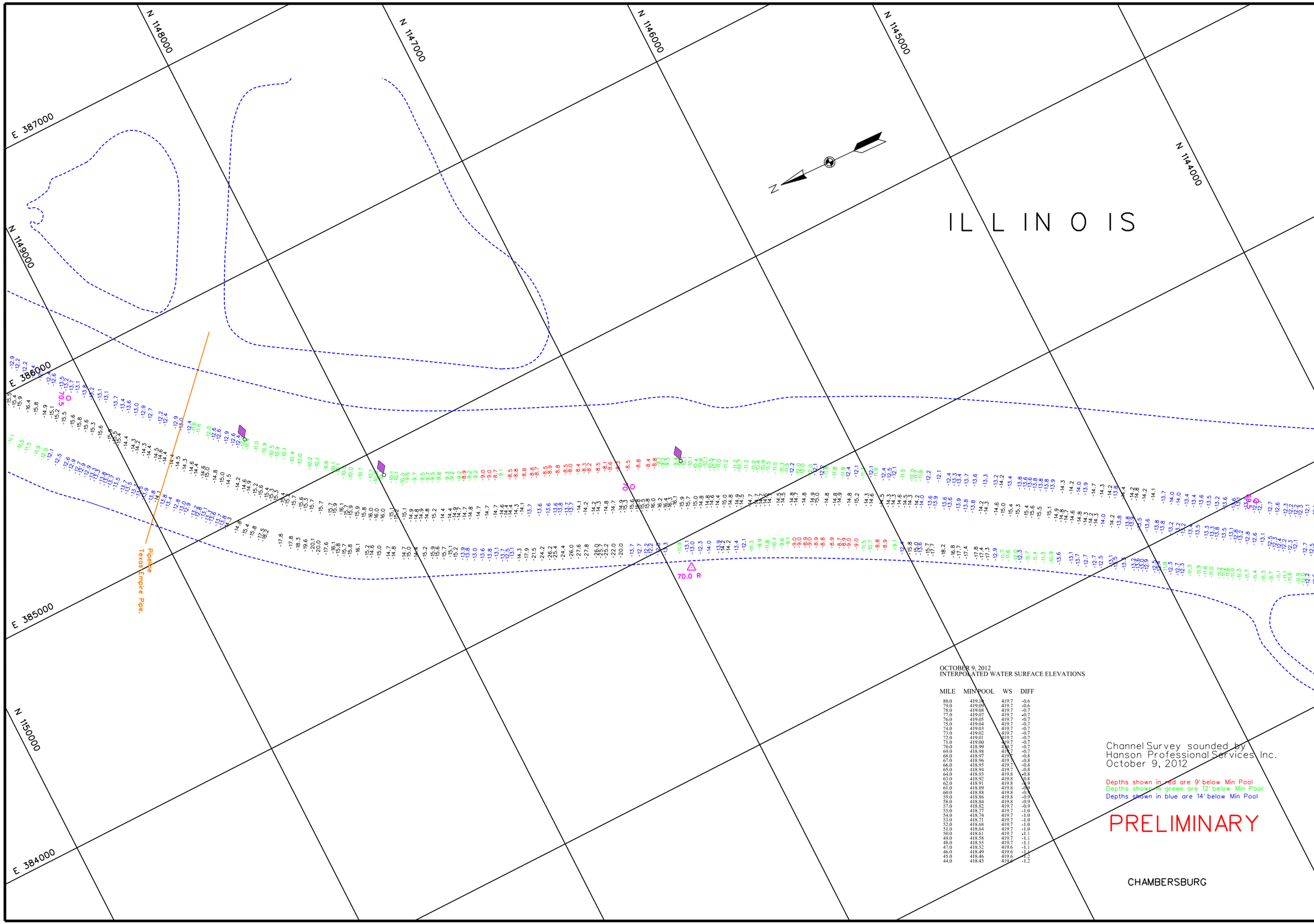
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

120 METERS 400 FEET
60 0 60 200
0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SITE INVESTIGATIONS AT THE TIME OF SURVEY. THE RESULTS ARE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
9



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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

CHAMBERSBURG

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN POOL		419.0	418.9
DATE	09 OCT 2012	419.7 (09:00)	419.8 (09:00)
		419.7 (16:00)	419.8 (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 9, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_043J0912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

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

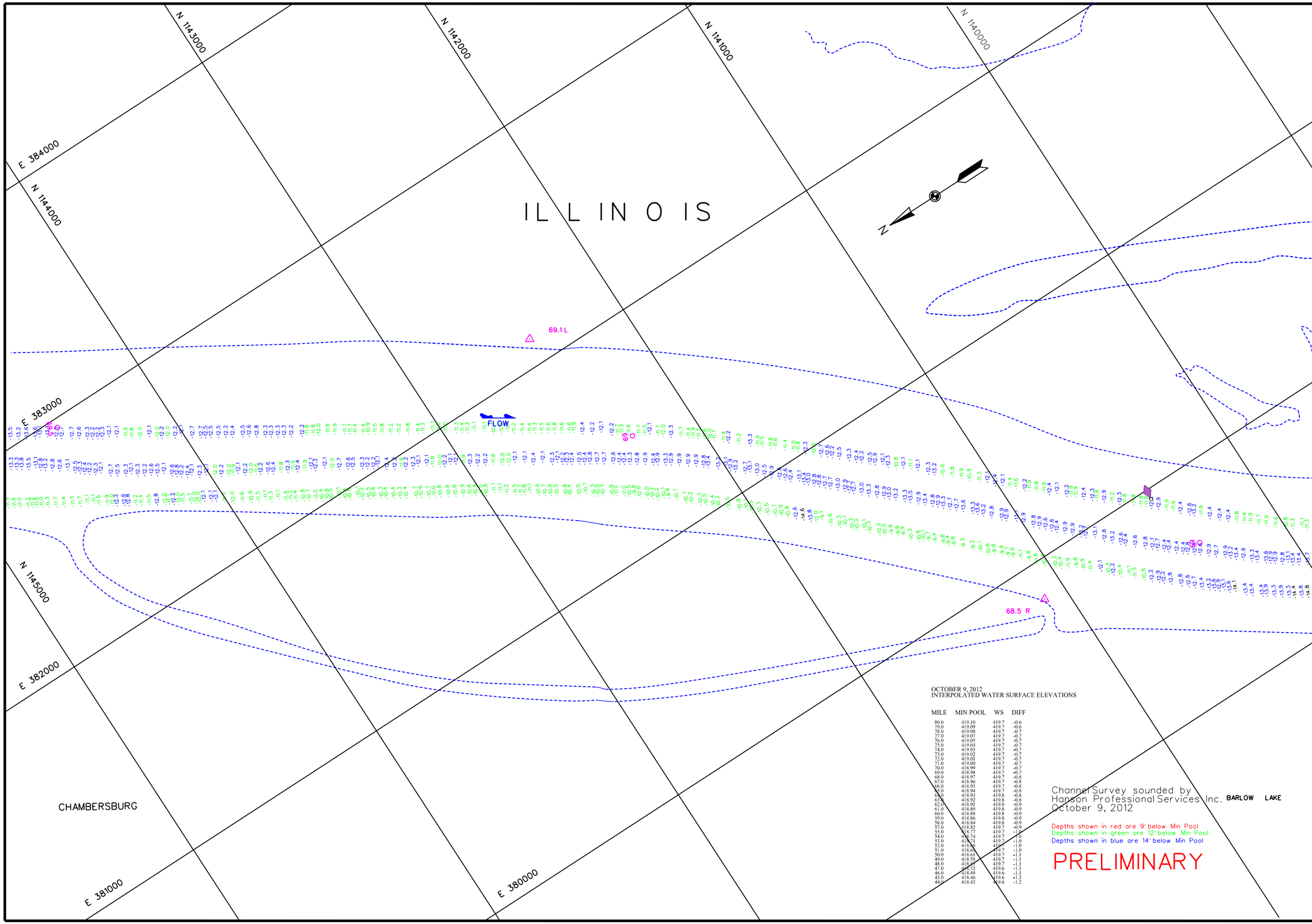
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 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
10



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN POOL		419.0	418.9
DATE	09 OCT 2012	419.7 (09:00)	419.7 (09:00)
		419.7 (16:00)	419.7 (16:00)

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 9, 2012

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080.0043J09112.dgn
Plot date: October 15, 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

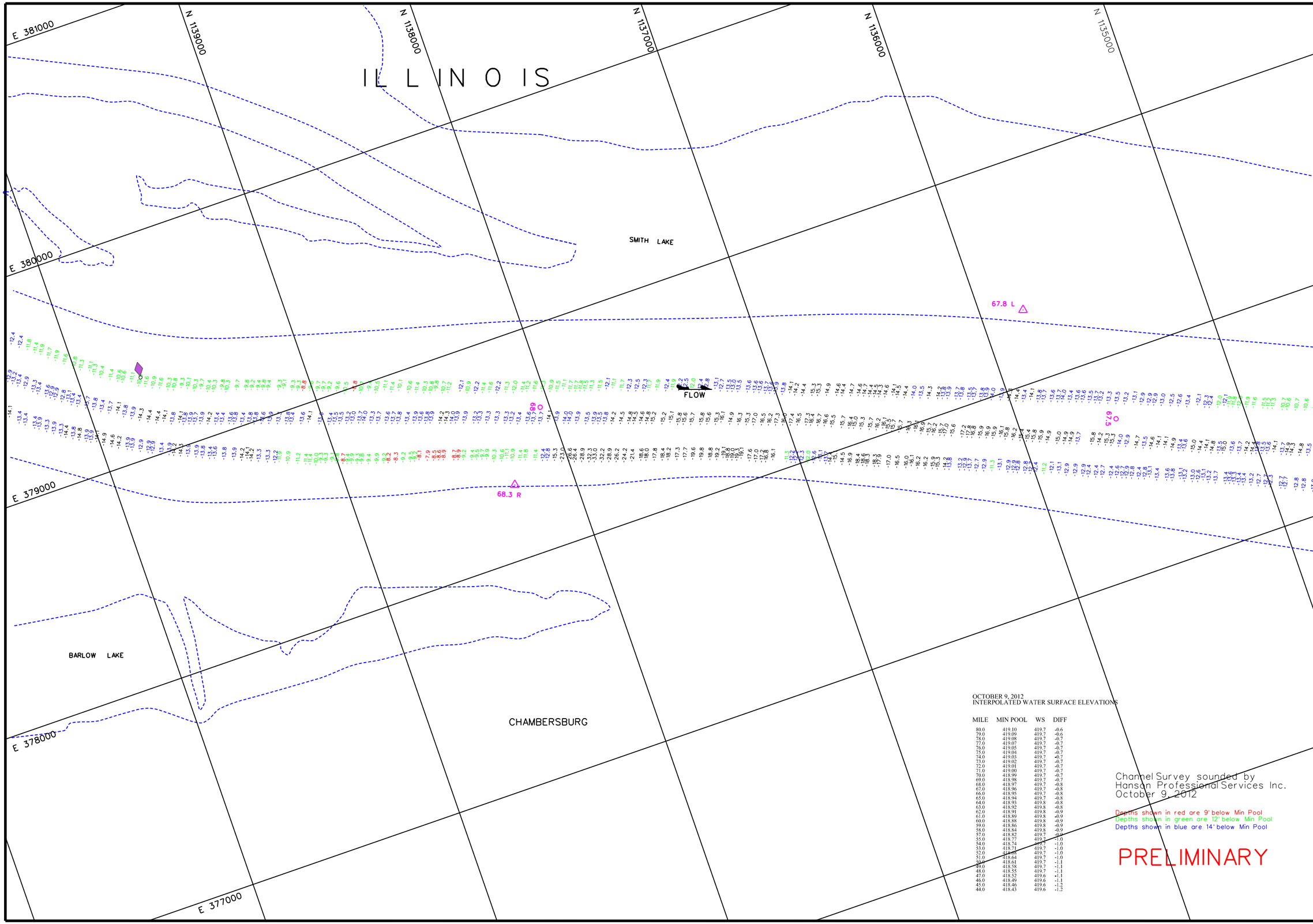
ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

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

11



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN POOL		419.0	418.9
DATE	09 OCT 2012	419.7 (09-00) 419.7 (18-00)	419.7 (09-00) 419.7 (15-00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1994-97 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 9, 2012
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: 080_0430912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

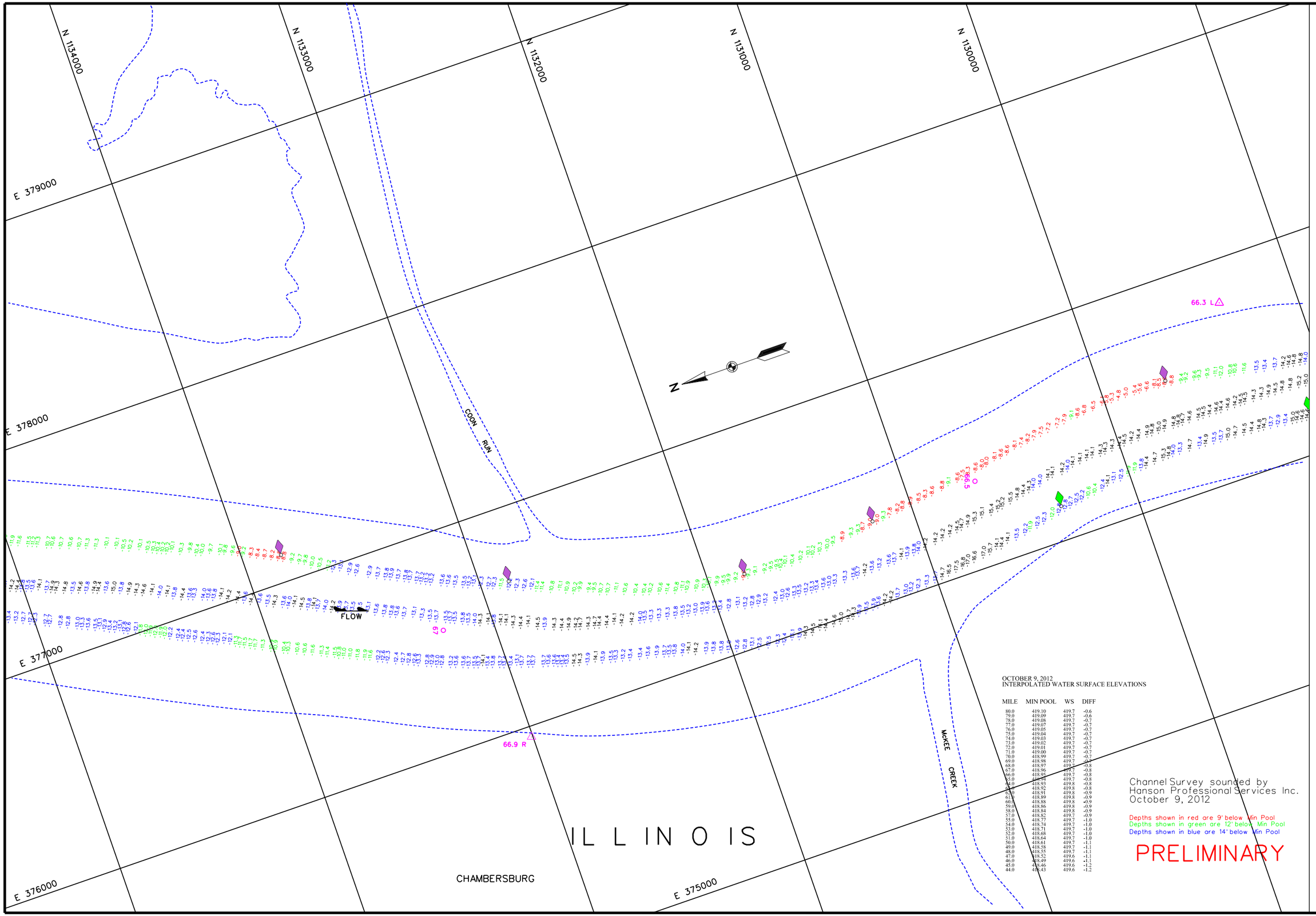
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

120 METERS 60 0 60
400 FEET 200 0 200

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES SHOWN AND CONSTITUTES A RECORD AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
12



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN POOL		419.0	418.9
DATE	09 OCT 2012	419.7 (09:00)	419.8 (09:00)
		419.7 (18:00)	419.8 (15:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1994-97 LOW WATER REFERENCE PLANE (L.W.R.P.) (94.000 C.F.S.)

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

Survey Date: October 9, 2012
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: 080_0431012.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

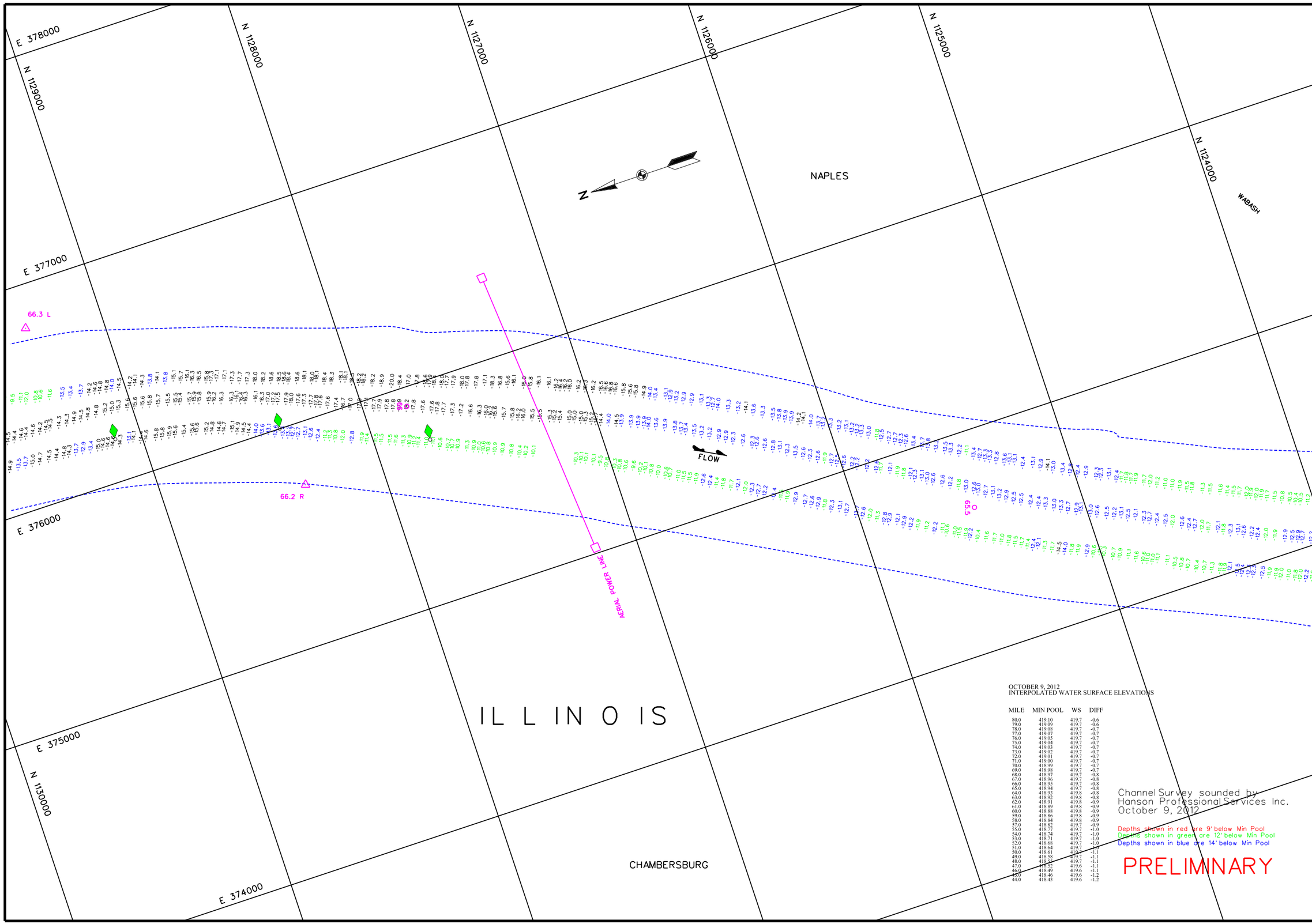
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

120 METERS 60 0 60 200
400 FEET 200 0 200 600

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

PLATE NUMBER
13



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN POOL		419.0	418.9
DATE	09 OCT 2012	419.7 (09:00)	419.8 (09:00)
		419.7 (16:00)	419.8 (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.

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

Survey Date: October 9, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.04330912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

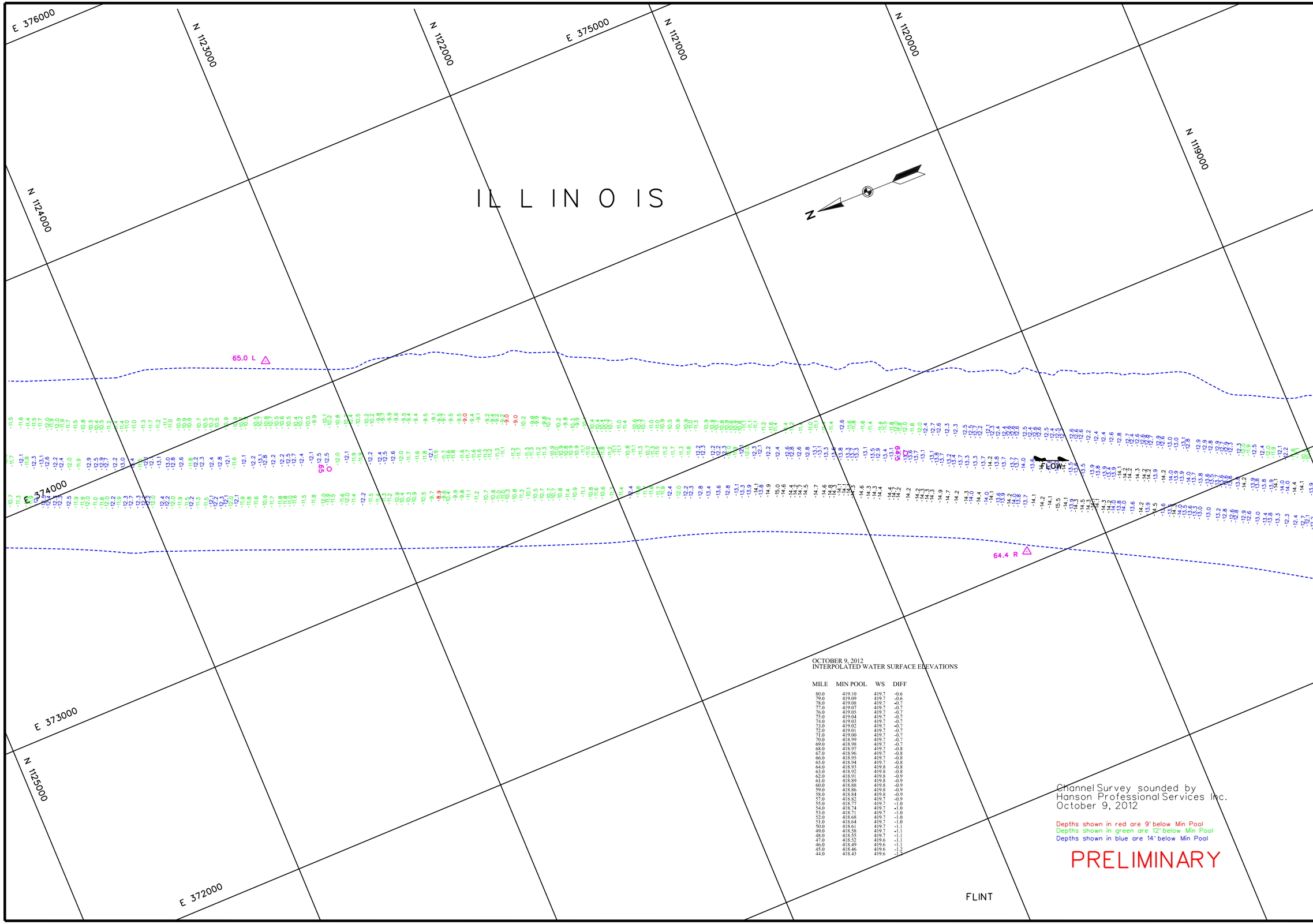
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 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
14



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN POOL		419.0	418.9
DATE	09 OCT 2012	419.7 (09:00)	419.7 (09:00)
		419.7 (16:00)	419.7 (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 9, 2012

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080.043J0912.dgn

Plot date: October 15, 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

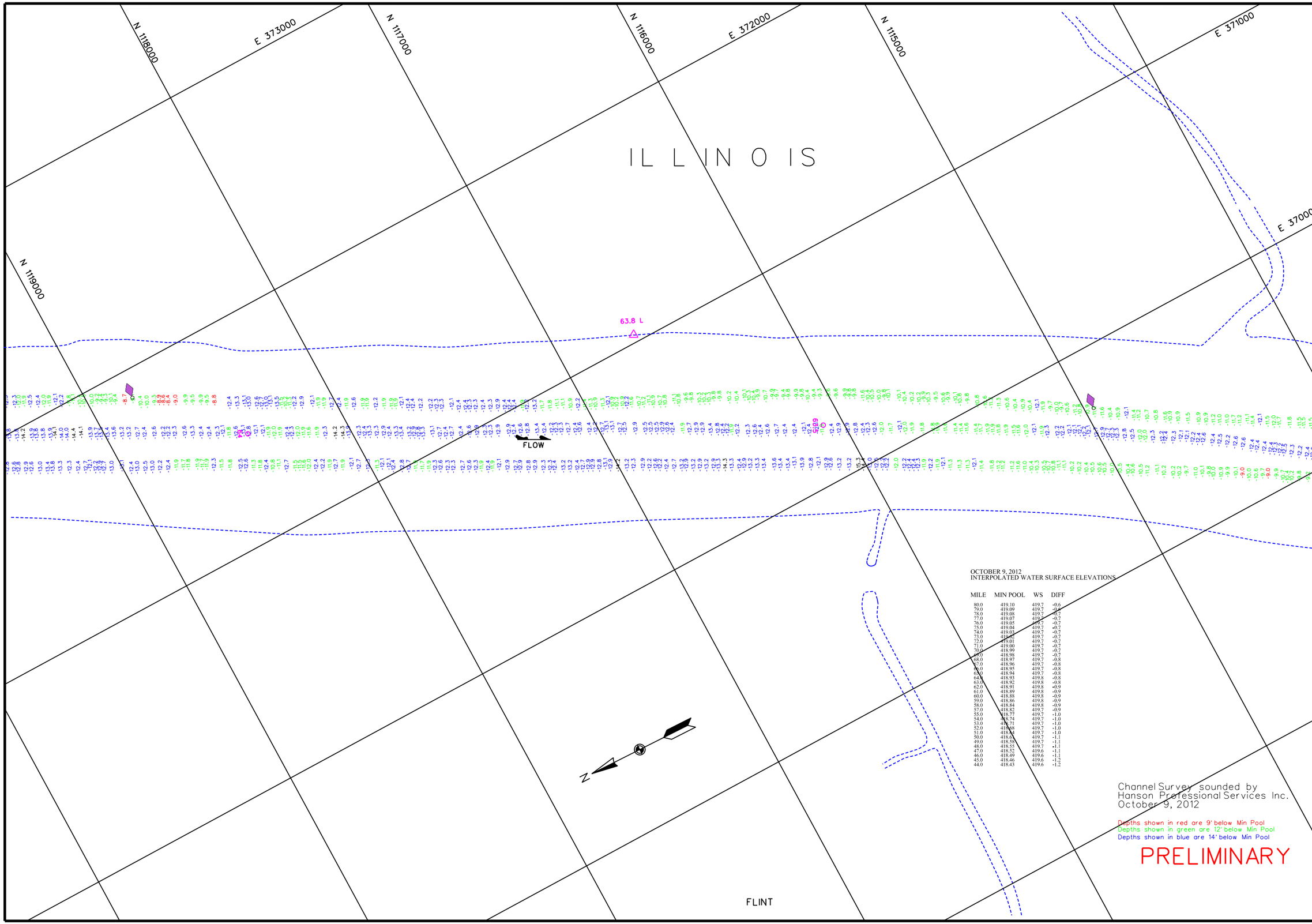
ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

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

15



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN POOL		419.0	418.9
DATE	09 OCT 2012	419.7 (09:00)	419.8 (09:00)
		419.7 (16:00)	419.8 (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 9, 2012

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080.0433J0912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

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

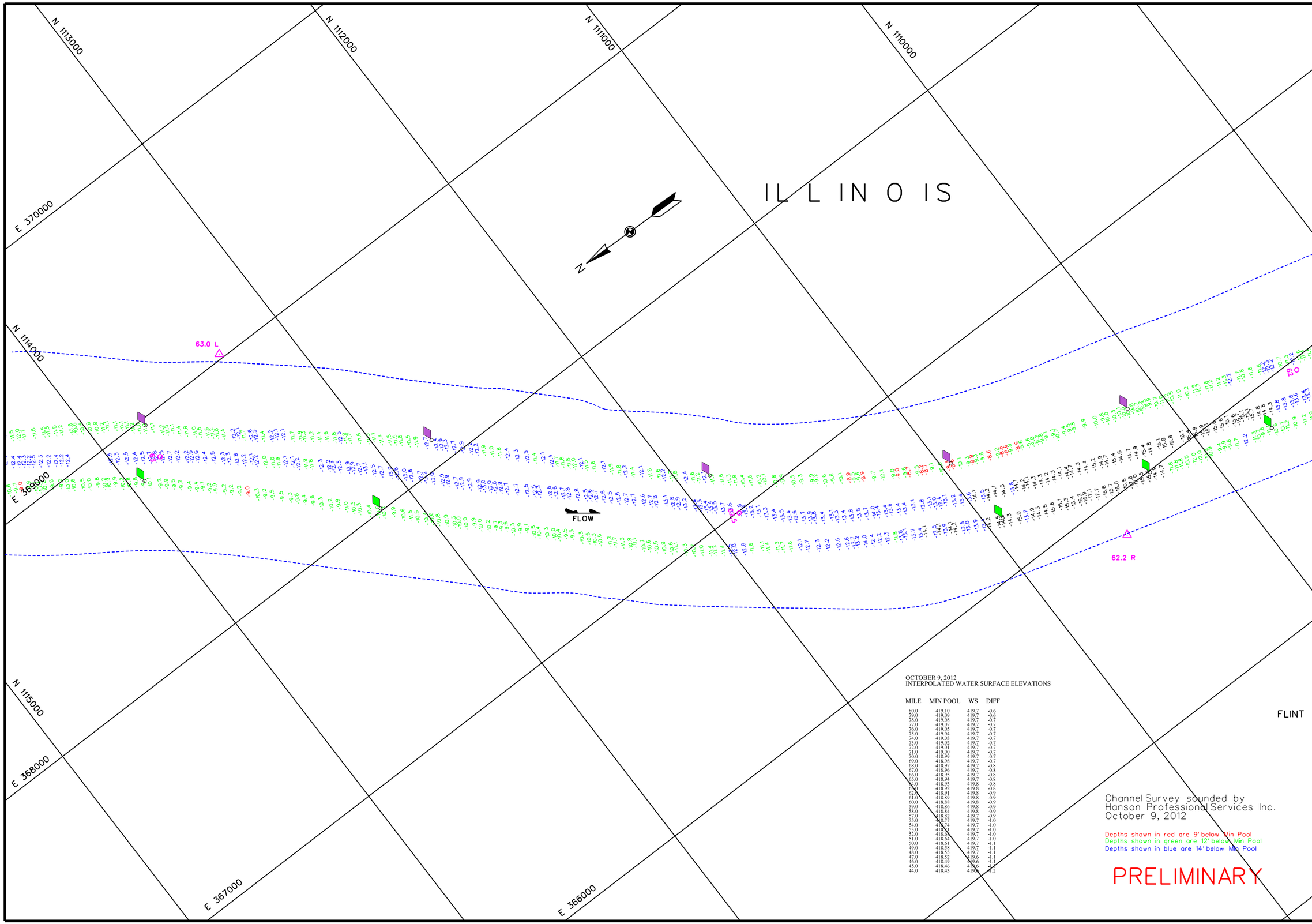
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 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
16



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN POOL		419.0	418.9
DATE	09 OCT 2012	419.7 (09-00)	419.8 (09-00)
		419.7 (16-00)	419.8 (15-00)

ELEVATIONS ARE REFERED TO N.G.V.D. - CONTOURS ARE BELOW 1996-97 LOW WATER REFERENCE PLANE ILINRP-154.000 C.F.S

Survey Date: October 9, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0430_2012.dgn
Plot date: October 15, 2012
Plot scale: 1" = 2000'

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

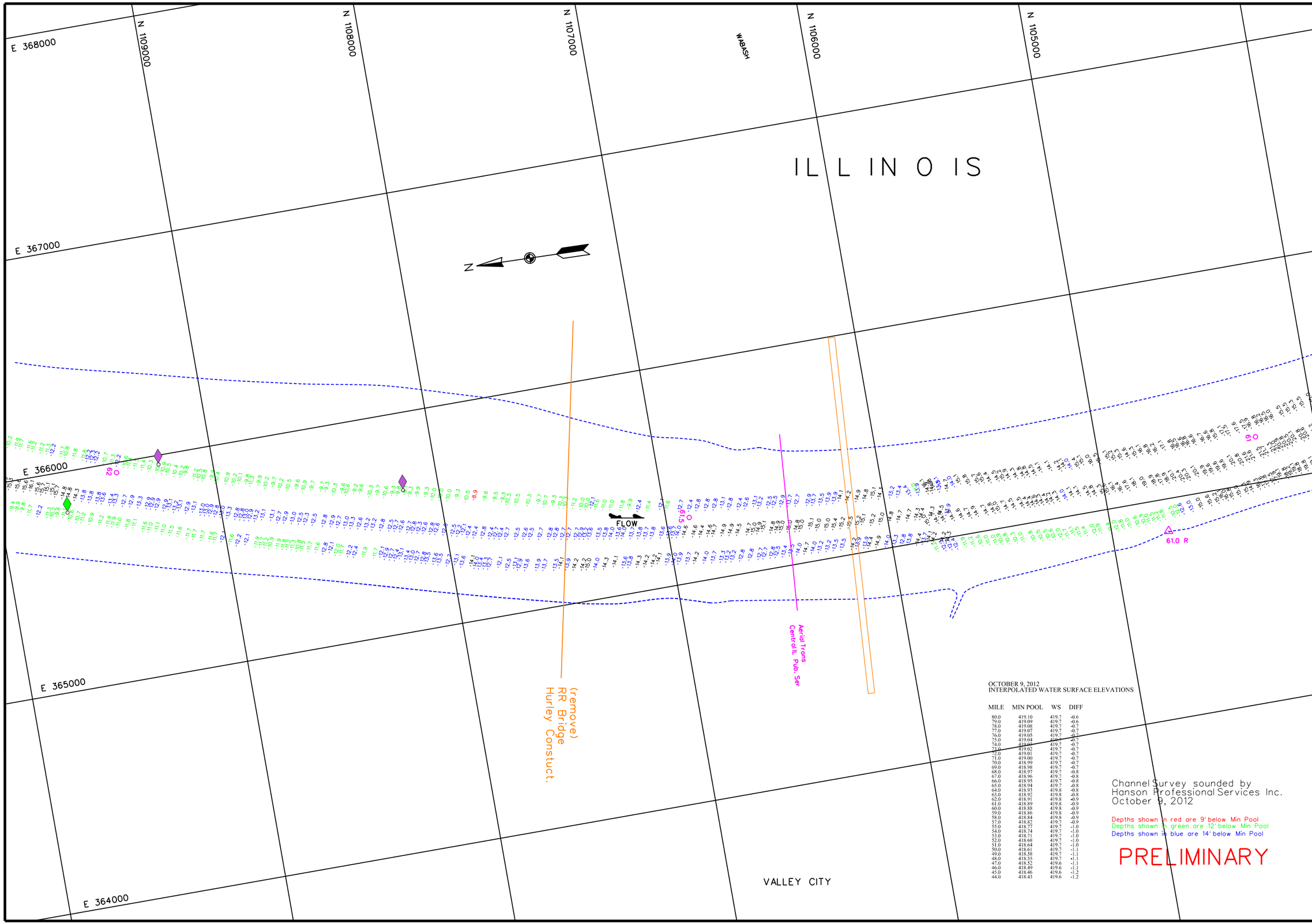
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

120 METERS
60 0 60
200 0 200
400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE DURING THE PERIOD SHOWN ABOVE AND IS ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
17



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	MEREDOSIA	VALLEY CITY	FLORENCE
ZERO N.G.V.D.		418.0	418.0	400.0
MILE		70.8	61.3	56.0
MIN POOL		419.0	418.9	418.8
DATE	09 OCT 2012	419.7 (09:00)	419.8 (09:00)	
		419.7 (16:00)	419.8 (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 9, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.043J0912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

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

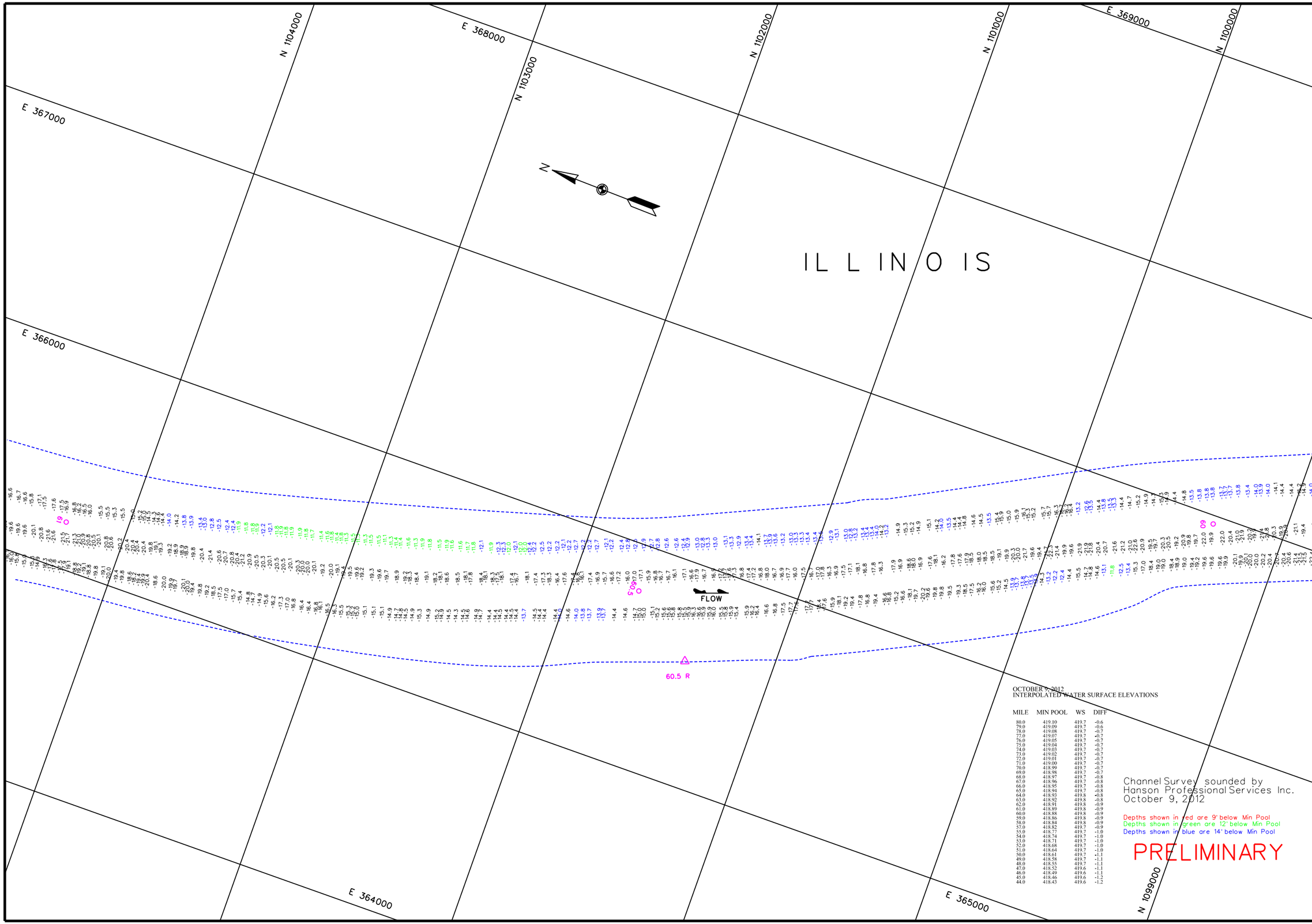
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 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
18



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	VALLEY CITY	FLORENCE
ZERO N.G.V.D.		418.0	400.0
MILE		61.3	56.0
MIN POOL		418.9	418.8
DATE	09 OCT 2012	419.8 (09-00)	419.7 (09-00)
		419.8 (16-00)	419.7 (15-00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1994-97 LOW WATER REFERENCE PLANE (L.W.R.P.) (54.000 C.F.S.)

Survey Date: October 9, 2012

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0431@912.dgn

Plot date: October 15, 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

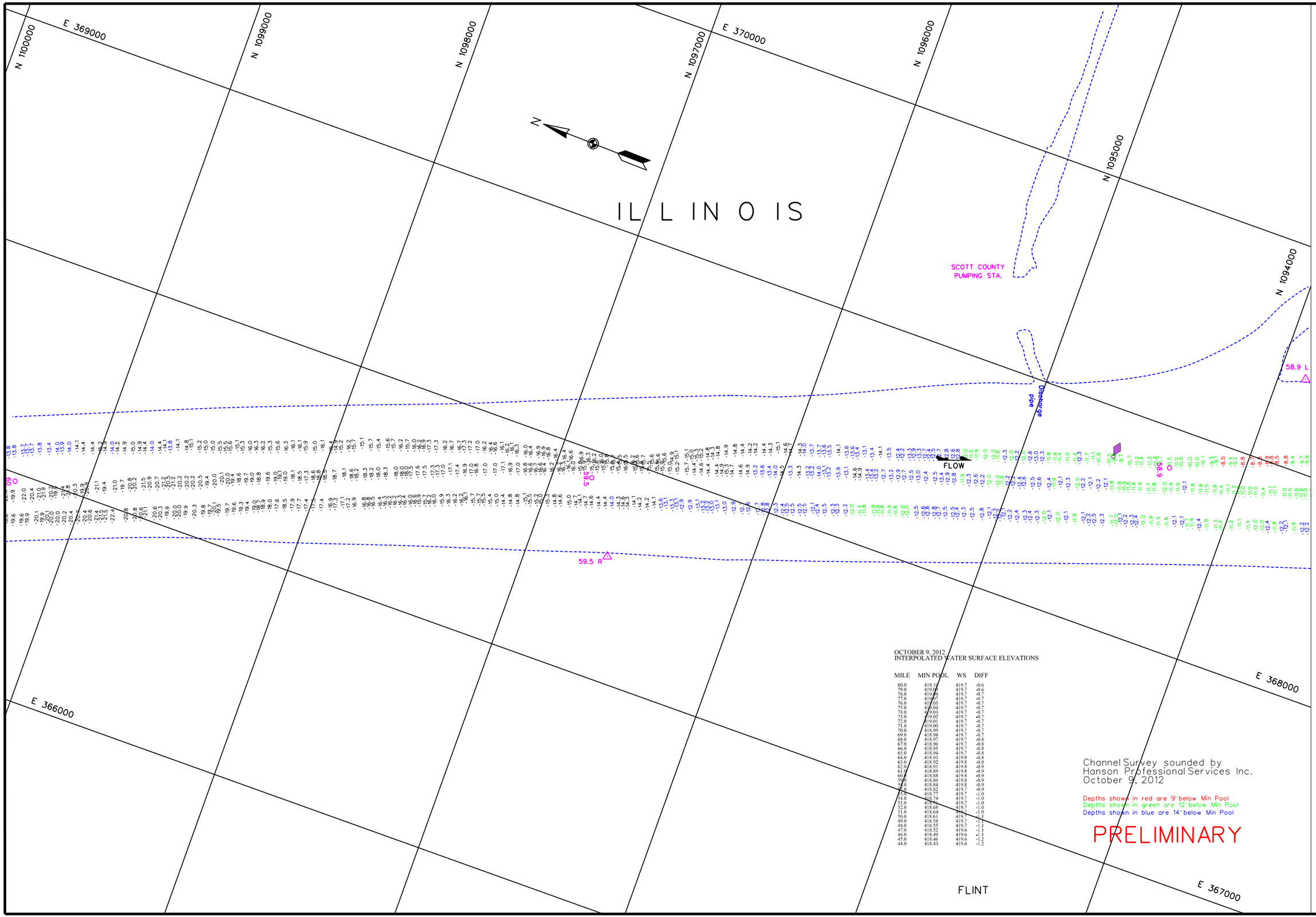
ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

120 METERS
400 FEET

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

PLATE NUMBER

19



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
56.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	VALLEY CITY	FLORENCE
ZERO N.G.V.D.		418.0	400.0
MILE		61.3	56.0
MIN POOL		418.9	418.8
DATE	09 OCT 2012	419.8 (09-00) 419.8 (16-00)	419.7 (09-00) 419.7 (15-00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1994-97 LOW WATER REFERENCE PLANE (L.W.R.P.) 154.000 C.F.S.

Survey Date: October 9, 2012

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 088_0430_2012.dgn

Plot date: October 15, 2012
Plot scale: 1" = 2000'

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

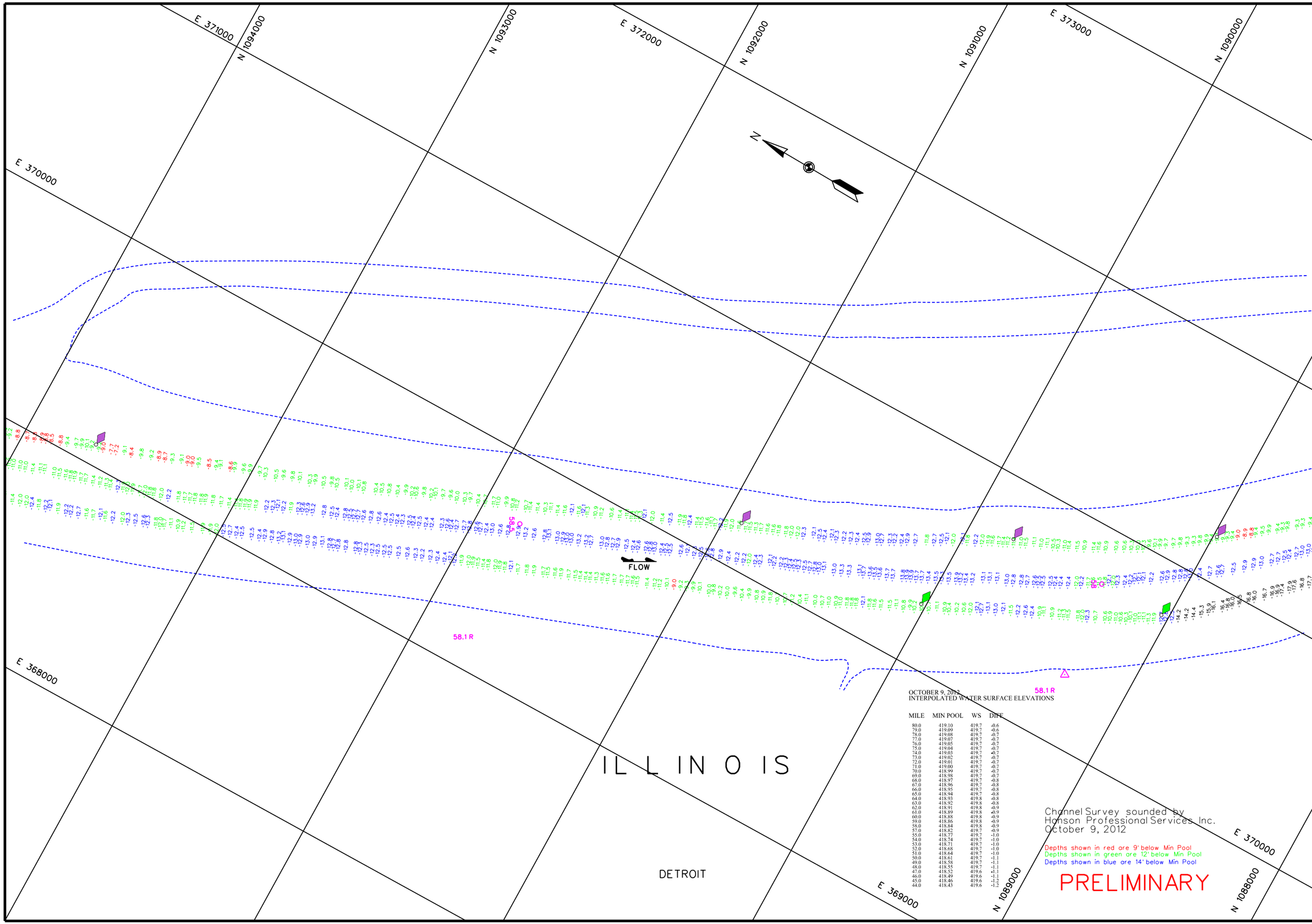
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

120 METERS
400 FEET
60 0 60 200
200 0 200 60

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED ON THE DATE(S) SHOWN AND MAY NOT BE ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
20



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	VALLEY CITY	FLORENCE
ZERO N.G.V.D.		418.0	400.0
MILE		61.3	56.0
MIN POOL		418.9	418.8
DATE	09 OCT 2012	419.8 (09-00) 419.8 (16-00)	419.7 (09-00) 419.7 (15-00)

ELEVATIONS ARE REFERENCED TO N.G.V.D. - CONTOURS ARE BELOW 1994-97 LOW WATER REFERENCE PLANE (L.W.R.P.) (54,000 C.F.S.)

Survey Date: October 9, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 088_0413_0912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

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

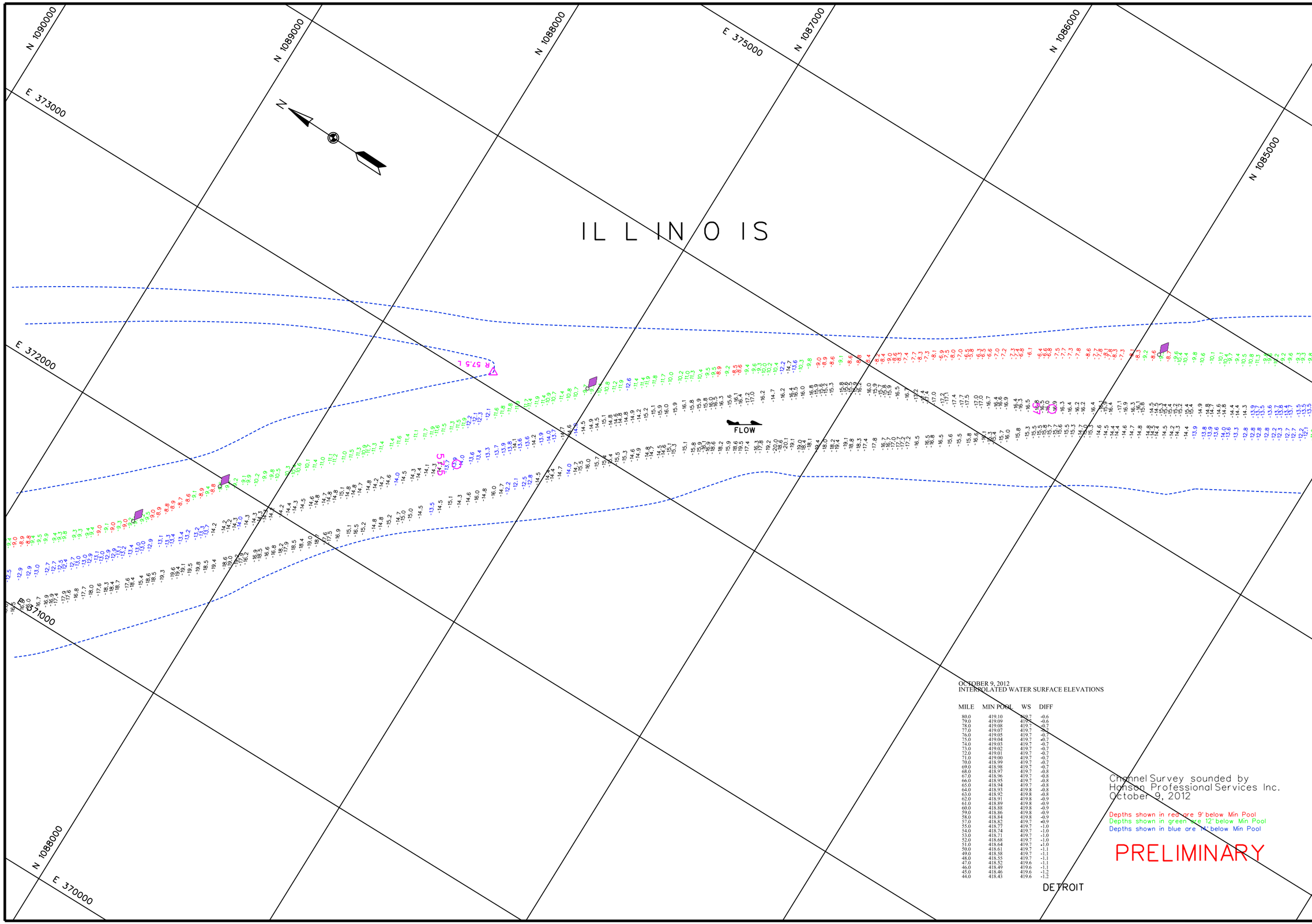
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

120 METERS
60 0 60
200 0 200 400 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEY DATA, SUBMITTED BY THE CONTRACTOR, AS REQUIRED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
21



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	VALLEY CITY	FLORENCE
ZERO N.G.V.D.		418.0	400.0
MILE		61.3	56.0
MIN POOL		418.9	418.8
DATE	09 OCT 2012	419.8 (09:00)	419.7 (09:00)
		419.8 (16:00)	419.7 (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 9, 2012

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080.043J0912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

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

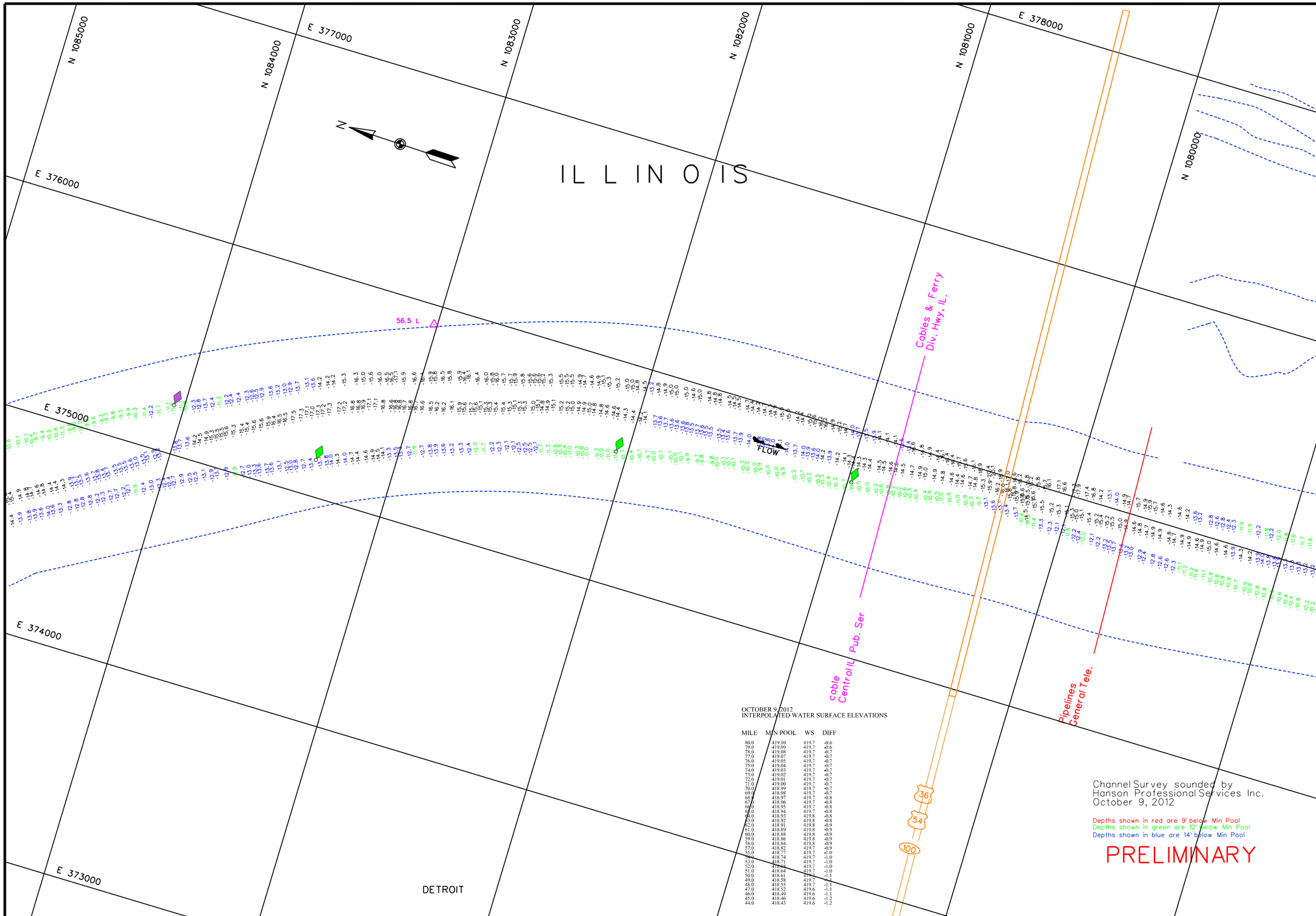
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 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
22



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	VALLEY CITY	FLORENCE	PEARL
ZERO N.G.V.D.		418.0	400.0	400.0
MILE		61.3	56.0	43.2
MIN POOL		418.9	418.8	418.4
DATE	09 OCT 2012	419.8 (09:00)	419.7 (09:00)	419.6 (09:00)
		419.8 (16:00)	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 9, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.0433.0912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

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

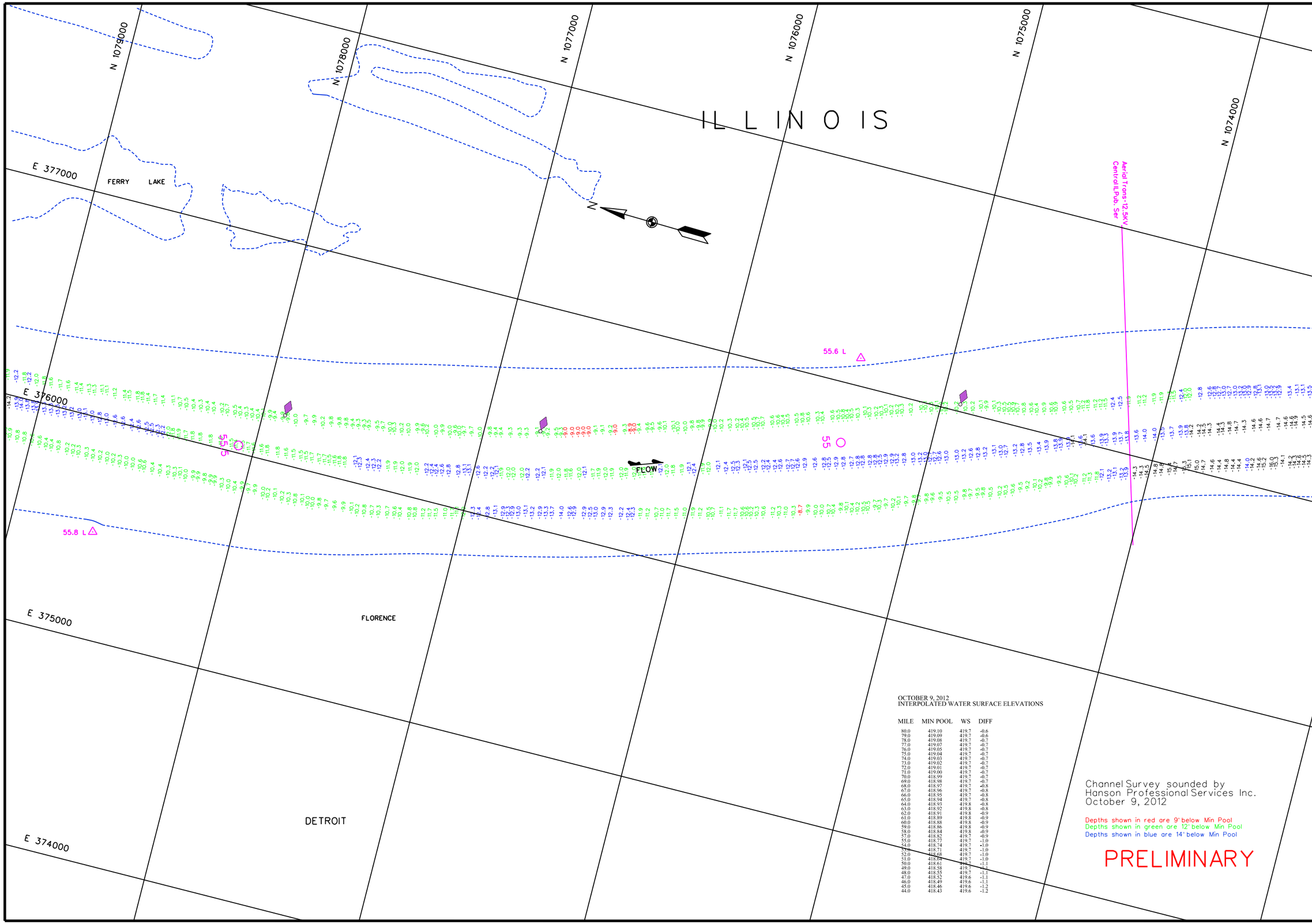
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 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
23



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	09 OCT 2012	419.7 (09:00) 419.7 (18:00)	419.6 (09:00) 419.6 (15:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1994-97 LOW WATER REFERENCE PLANE (L.W.R.P.) (54.000 C.F.S.)

Surveyed by: HANSON
Drawn by: RCA
Ckd by: RCA
Reviewed by:
APPROVED: Chief, Geospatial Branch
Survey Date: October 9, 2012
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: 080_0430912.dgn
Plot date: October 15, 2012
Plot scale:

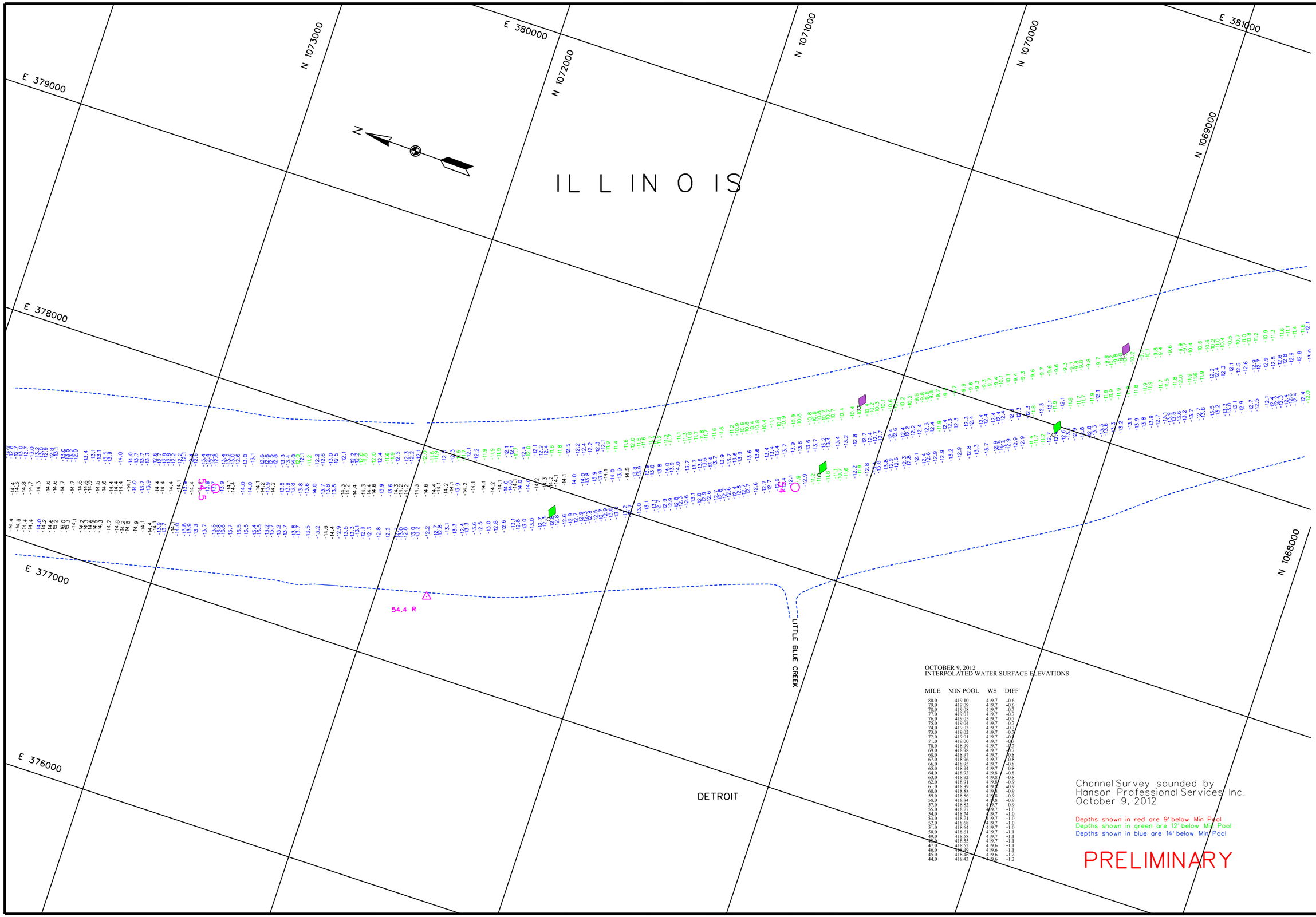
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

120 METERS 60 0 60 200
400 FEET 200 0 200 600

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND ARE PLOTTED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
24



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	09 OCT 2012	419.7 (09:00)	419.6 (09:00)
		419.7 (16:00)	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 9, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.043J0912.dgn
Plot date: October 15, 2012
Plot scale:

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

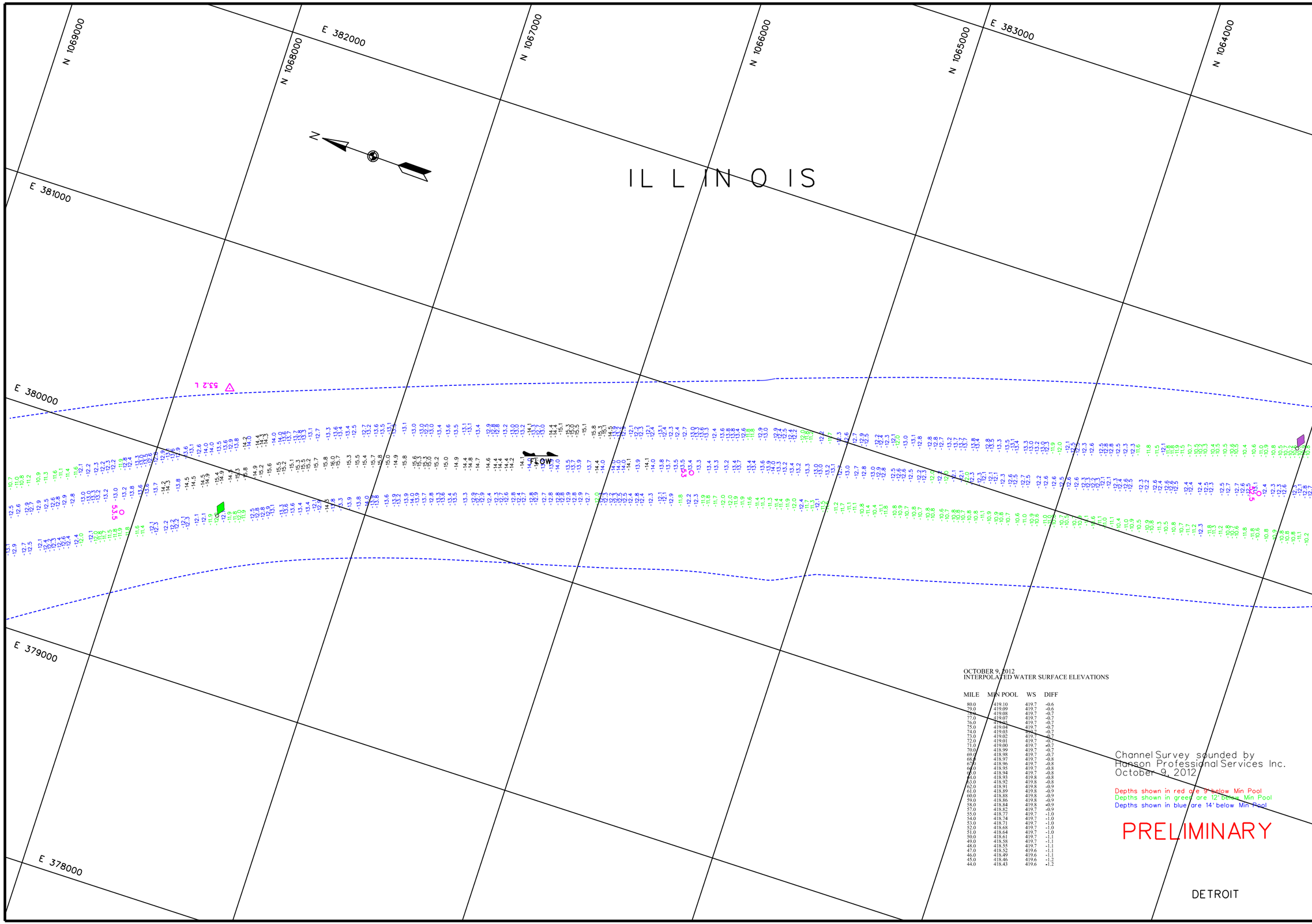
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 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
25



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	09 OCT 2012	419.7 (09:00)	419.6 (09:00)
		419.7 (16:00)	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 9, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.043J0912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

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

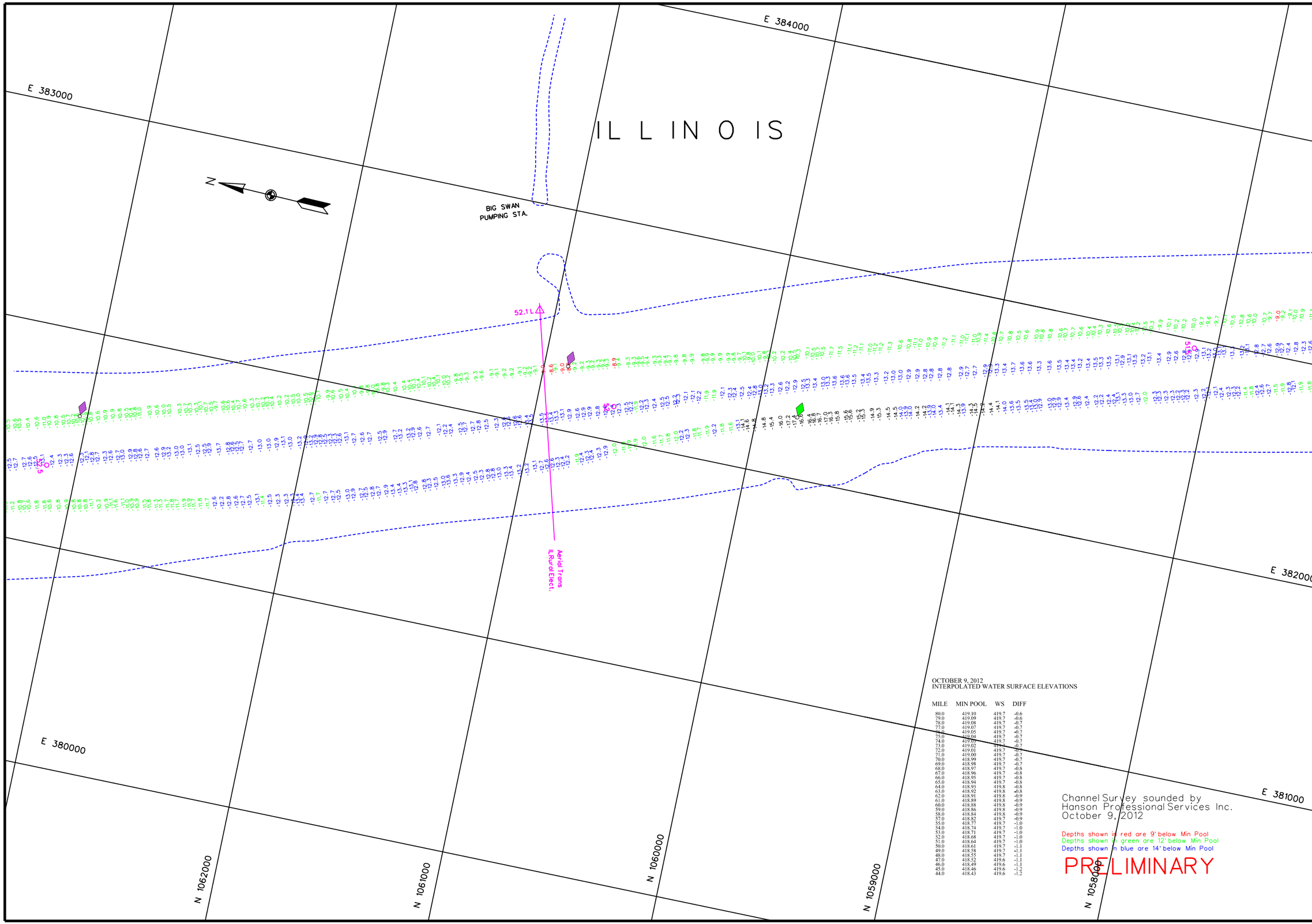
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 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
26



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	09 OCT 2012	419.7 (09-00)	419.6 (09-00)
		419.7 (16-00)	419.6 (15-00)

ELEVATIONS ARE REFERED TO N.G.V.D. - CONTOURS ARE BELOW 1994-97 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 9, 2012
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: 088_0434_0912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

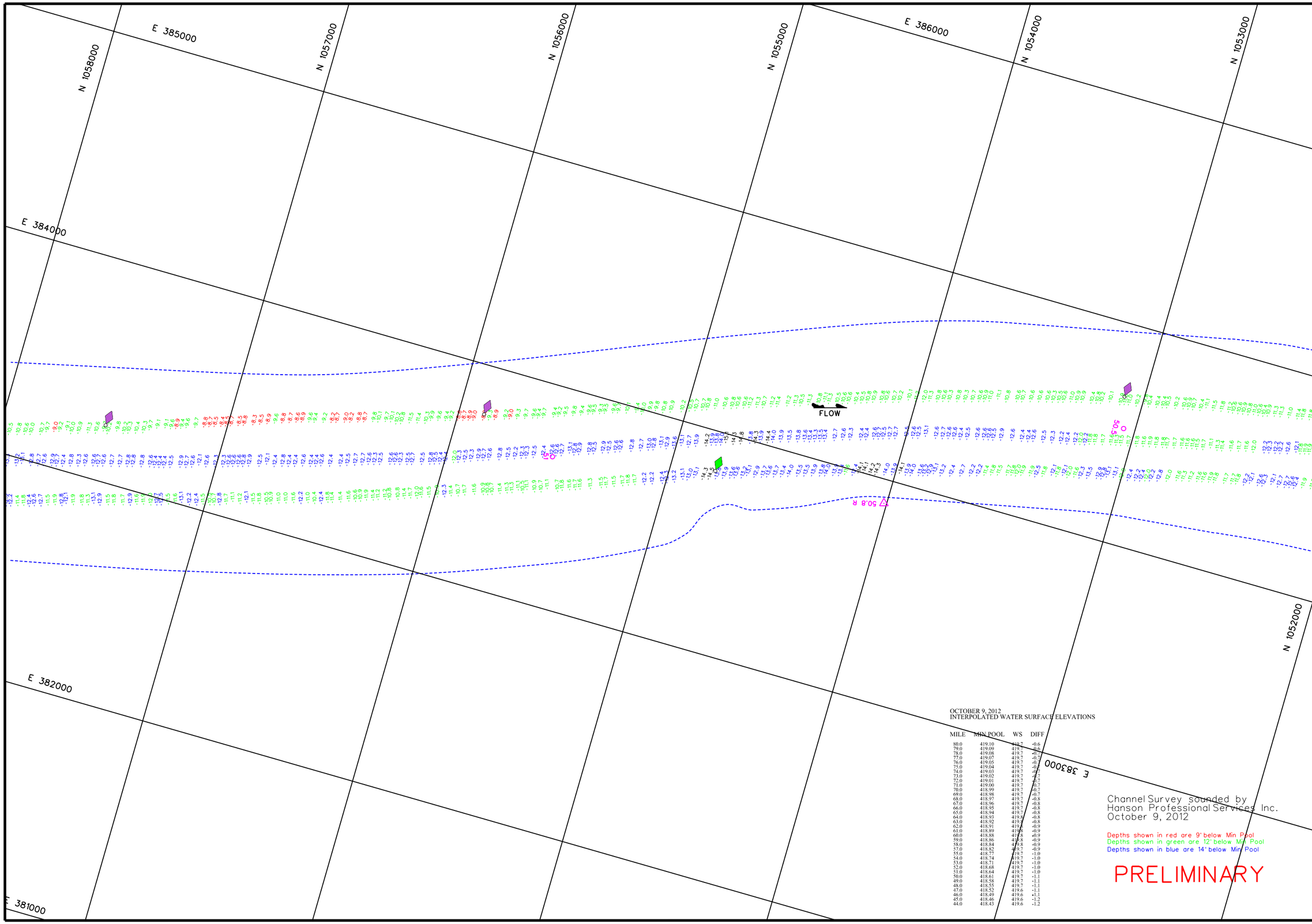
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

120 METERS 60 0 60 200 400 FEET

SURVEY INFORMATION REPRESENTED ON THIS MAP AND DESIGNATED BY THE SYMBOLS SHOWN ON THE SURVEY, IS BELIEVED TO BE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
27



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.7	-0.8
63.0	418.92	419.7	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	09 OCT 2012	419.7 (09-00)	419.6 (09-00)
		419.7 (16-00)	419.6 (15-00)

ELEVATIONS ARE REFERED 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 9, 2012
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: 088_0431@912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

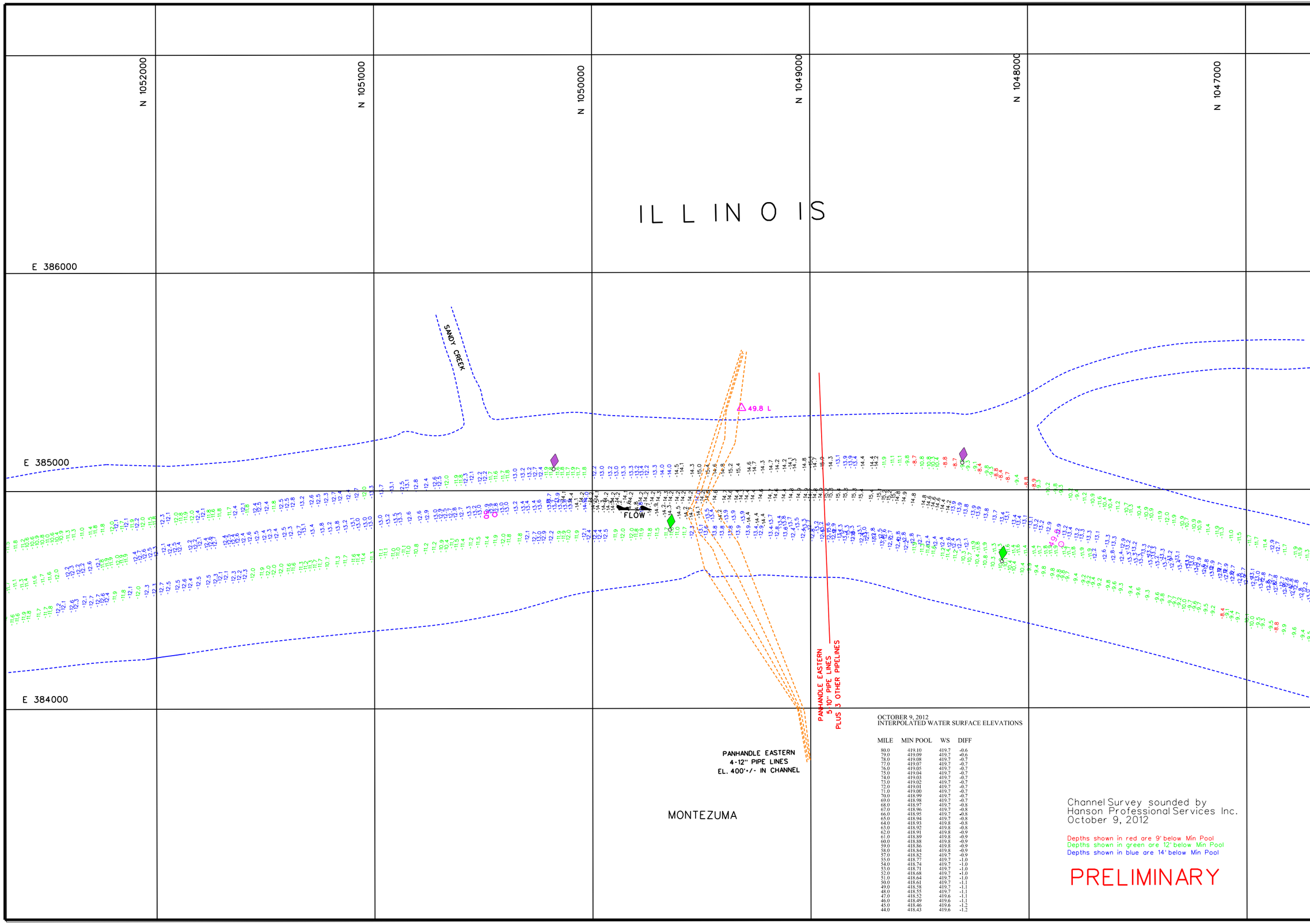
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

120 METERS 0 60
400 FEET 0 200

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

PLATE NUMBER
28



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	09 OCT 2012	419.7 (09:00)	419.6 (09:00)
		419.7 (16:00)	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 9, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.043J0912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

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

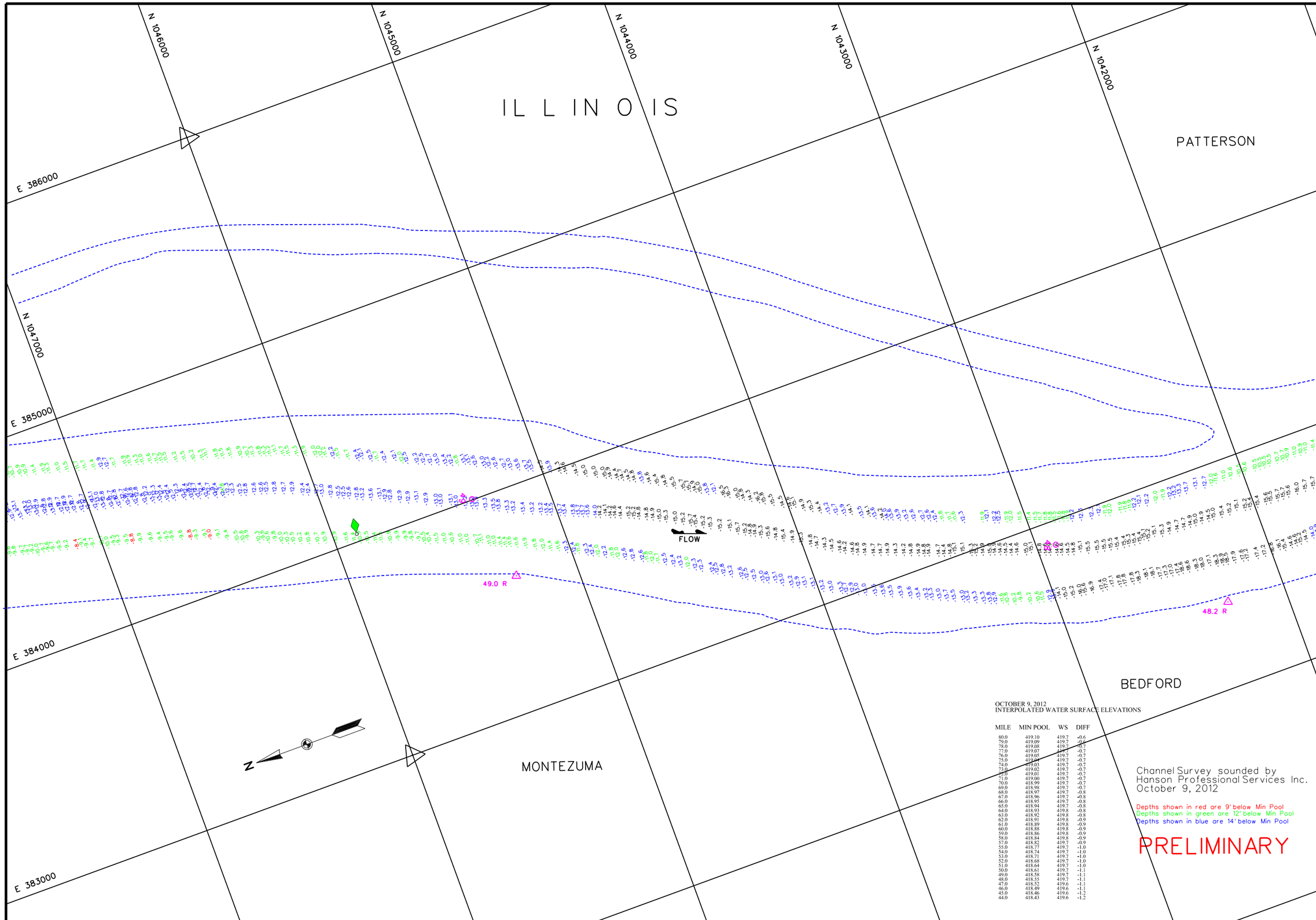
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 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
29



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	09 OCT 2012	419.7 (09:00)	419.6 (09:00)
		419.7 (16:00)	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 9, 2012

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080.043J0912.dgn
Plot date: October 15, 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

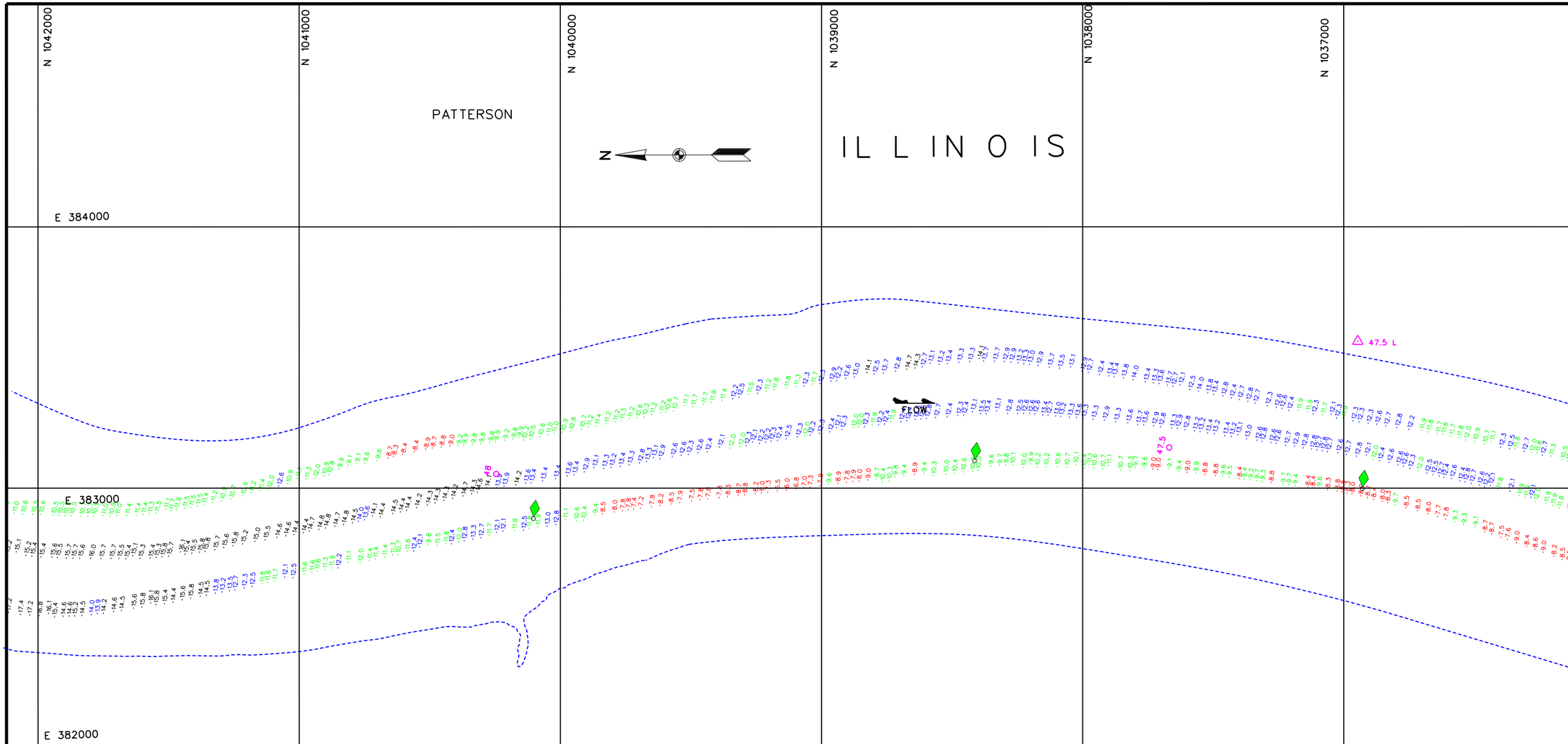
ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

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

30



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

MONTEZUMA

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	09 OCT 2012	419.7 (09:00)	419.6 (09:00)
		419.7 (16:00)	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 9, 2012

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.0433@912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

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

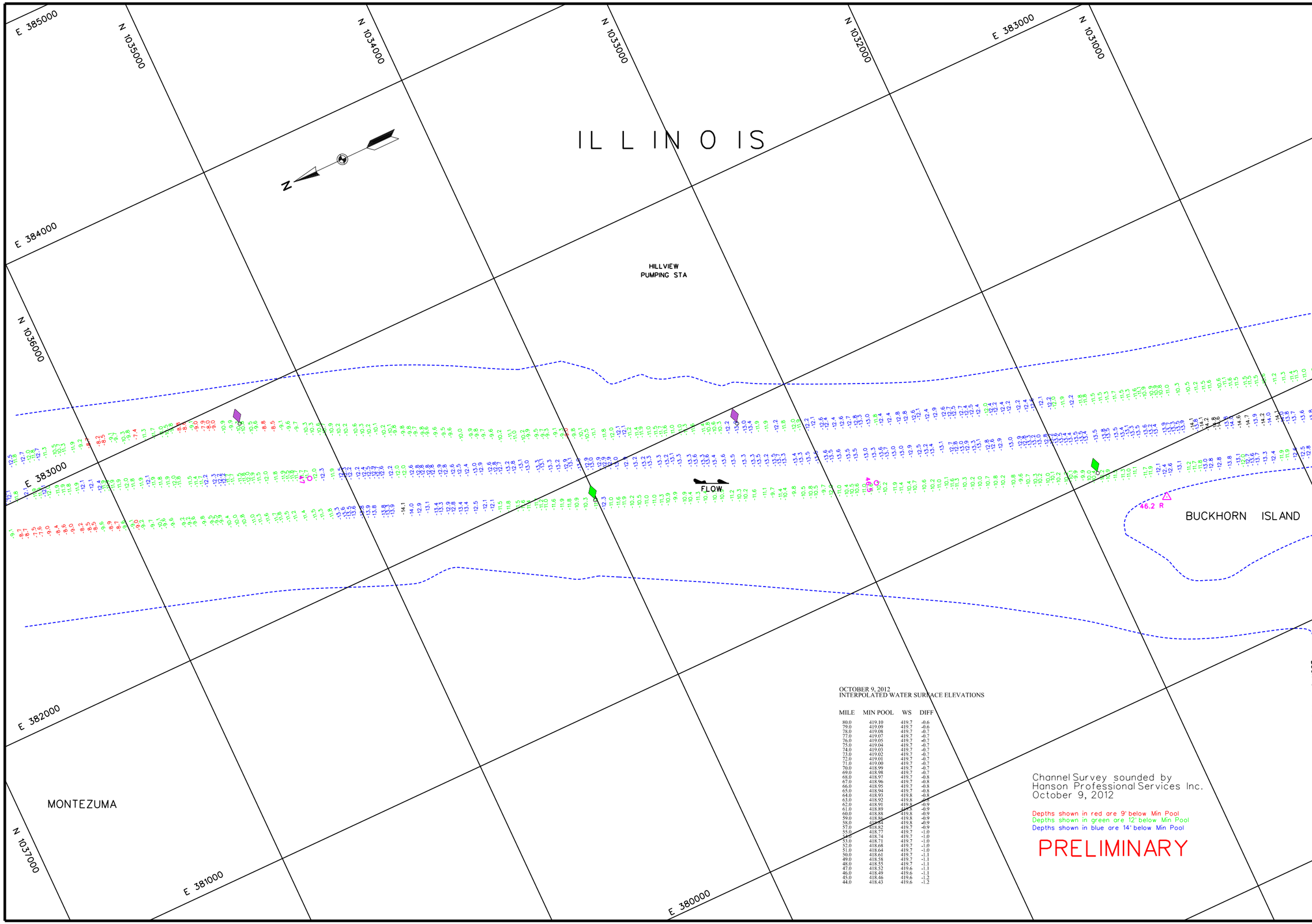
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

120 METERS
60 0 60 120
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
31



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	09 OCT 2012	419.7 (09:00)	419.6 (09:00)
		419.7 (16:00)	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 9, 2012
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.043J0912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

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

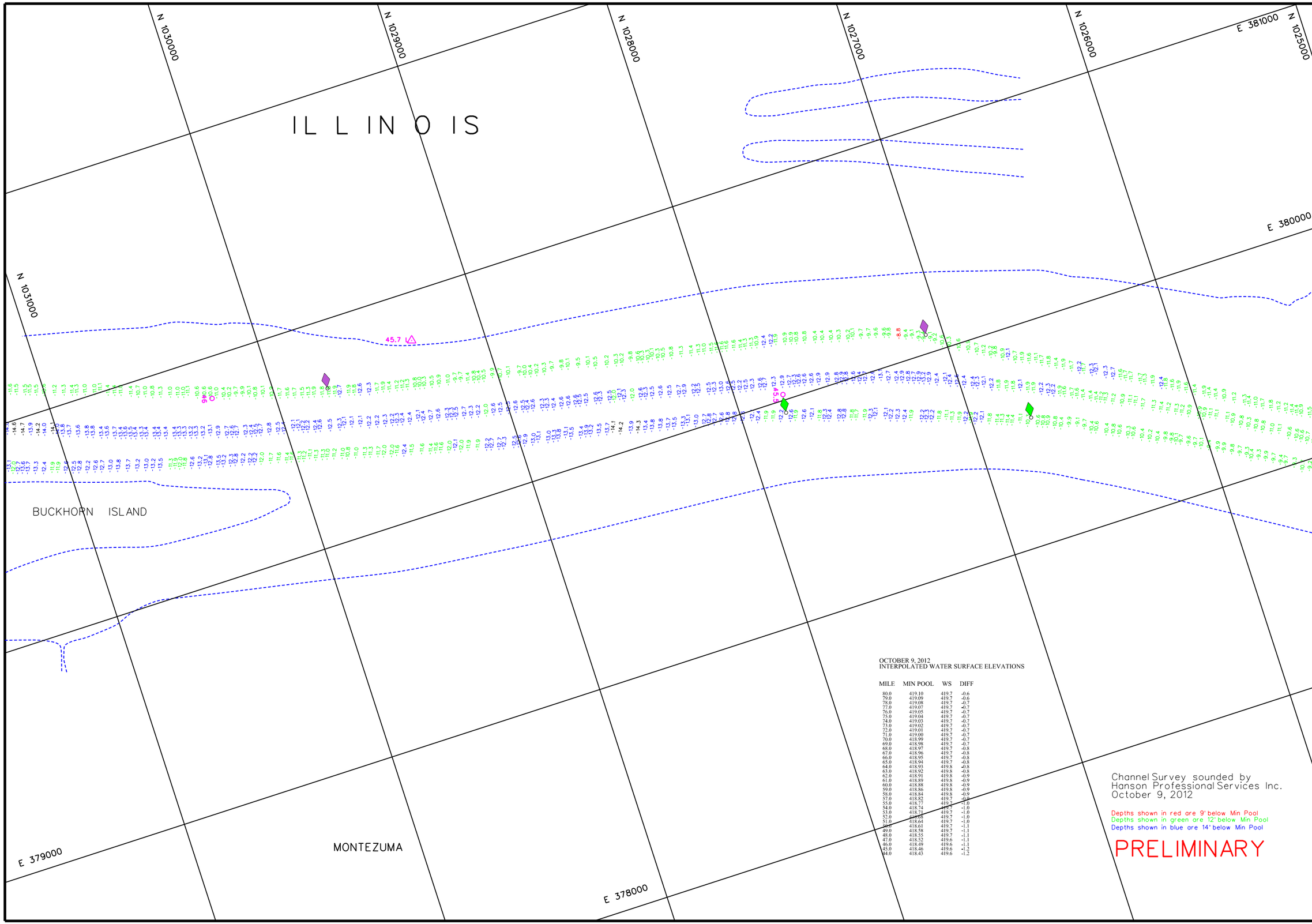
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 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
32



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	09 OCT 2012	419.7 (09:00)	419.6 (09:00)
		419.7 (16:00)	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 9, 2012

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080.0433@912.dgn
Plot date: October 15, 2012
Plot scale: 1" = 200'

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

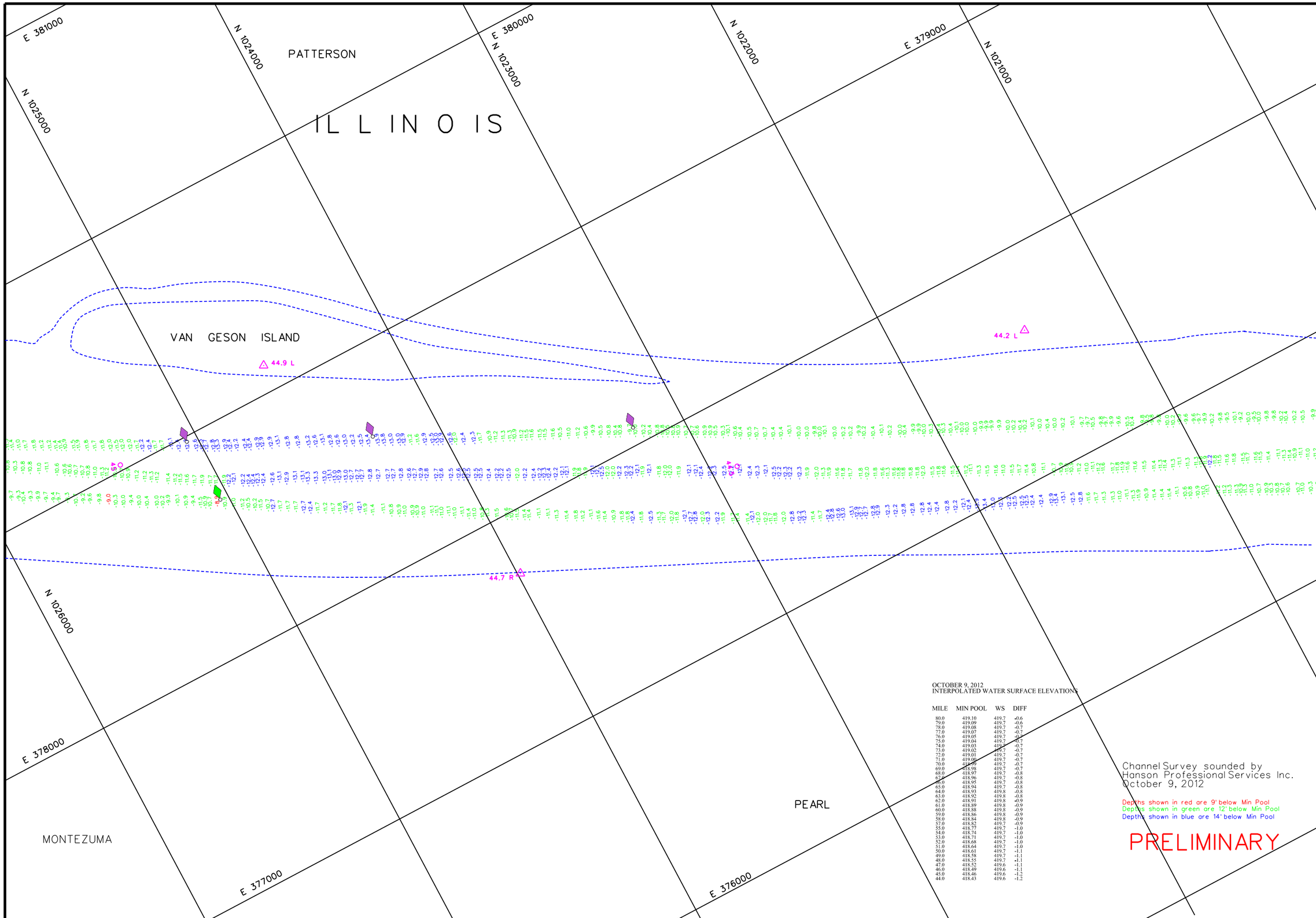
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 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
33



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

Channel Survey sounded by
Hanson Professional Services Inc.
October 9, 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	09 OCT 2012	419.7 (09:00)	419.6 (09:00)
		419.7 (16:00)	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 9, 2012

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080.043J0912.dgn

Plot date: October 15, 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

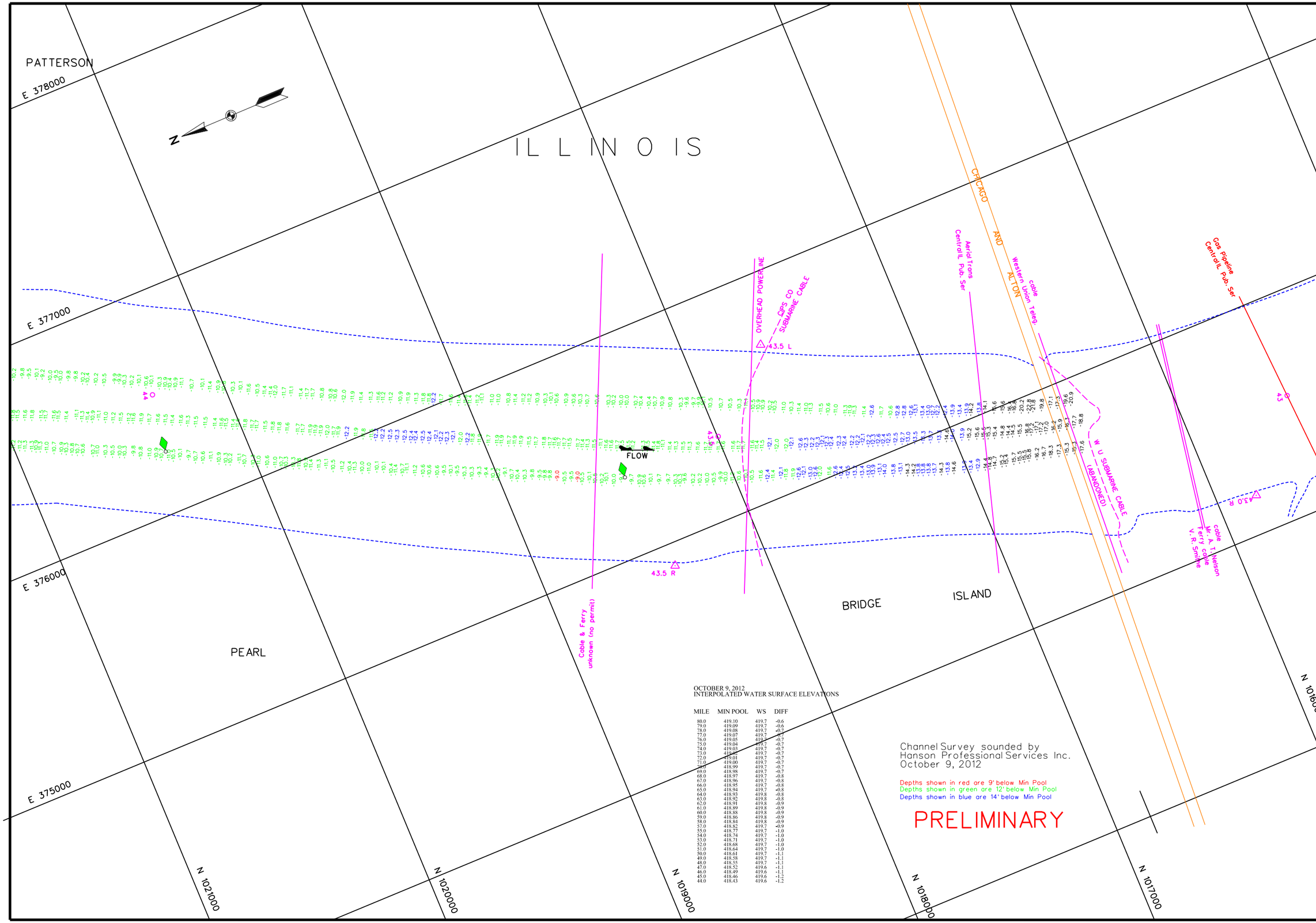
ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 43.0

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

34



OCTOBER 9, 2012
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MIN POOL	WS	DIFF
80.0	419.10	419.7	-0.6
79.0	419.09	419.7	-0.6
78.0	419.08	419.7	-0.7
77.0	419.07	419.7	-0.7
76.0	419.05	419.7	-0.7
75.0	419.04	419.7	-0.7
74.0	419.03	419.7	-0.7
73.0	419.02	419.7	-0.7
72.0	419.01	419.7	-0.7
71.0	419.00	419.7	-0.7
70.0	418.99	419.7	-0.7
69.0	418.98	419.7	-0.7
68.0	418.97	419.7	-0.8
67.0	418.96	419.7	-0.8
66.0	418.95	419.7	-0.8
65.0	418.94	419.7	-0.8
64.0	418.93	419.8	-0.8
63.0	418.92	419.8	-0.8
62.0	418.91	419.8	-0.9
61.0	418.89	419.8	-0.9
60.0	418.88	419.8	-0.9
59.0	418.86	419.8	-0.9
58.0	418.84	419.8	-0.9
57.0	418.82	419.7	-0.9
55.0	418.77	419.7	-1.0
54.0	418.74	419.7	-1.0
53.0	418.71	419.7	-1.0
52.0	418.68	419.7	-1.0
51.0	418.64	419.7	-1.0
50.0	418.61	419.7	-1.1
49.0	418.58	419.7	-1.1
48.0	418.55	419.7	-1.1
47.0	418.52	419.6	-1.1
46.0	418.49	419.6	-1.1
45.0	418.46	419.6	-1.2
44.0	418.43	419.6	-1.2

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	09 OCT 2012	419.7 (09:00)	419.6 (09:00)	
		419.7 (16:00)	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 9, 2012

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.043J0912.dgn
Plot date: October 15, 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 80.0 - 43.0

60 0 60 120 METERS
200 0 200 400 FEET

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PLATE NUMBER
35