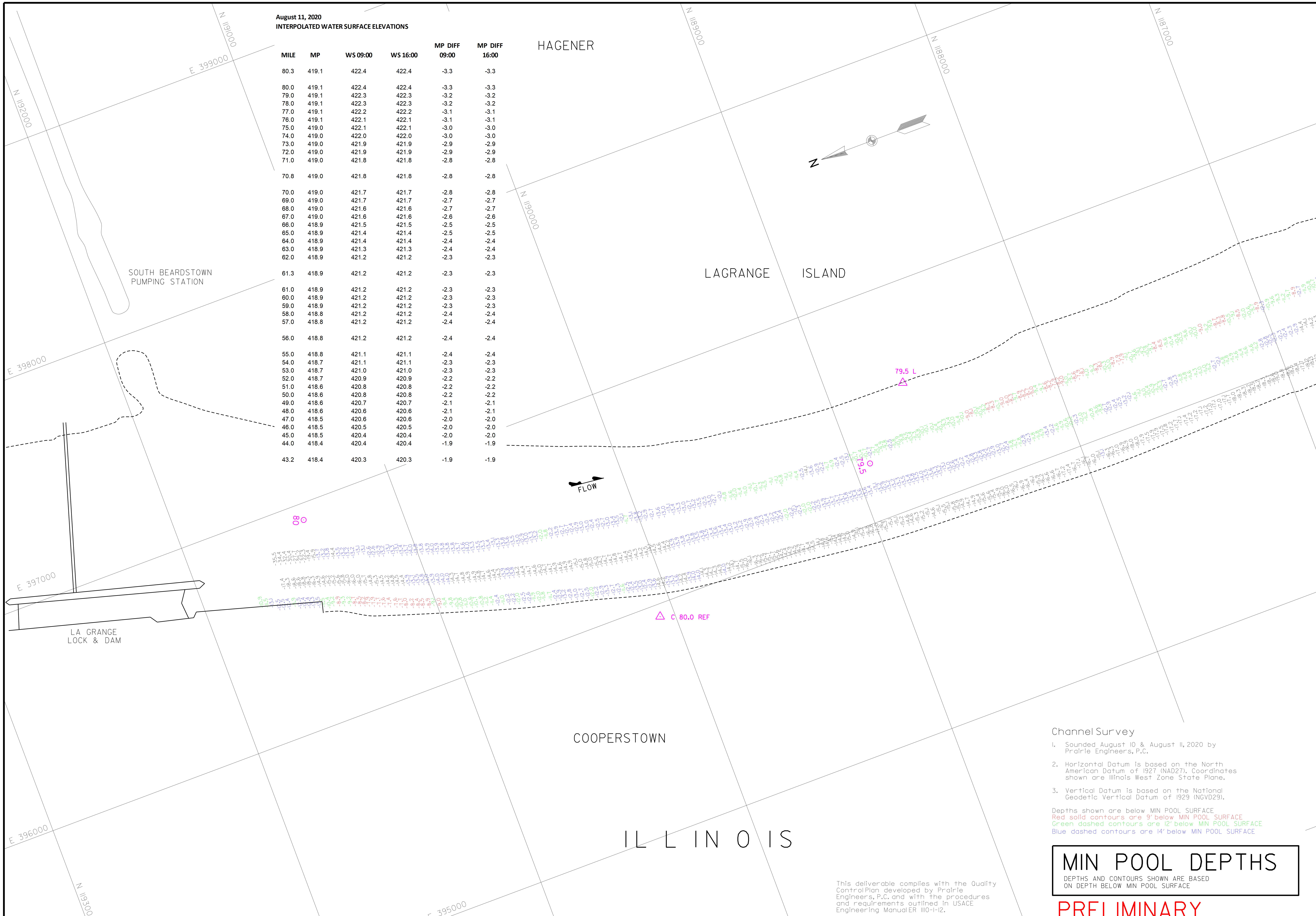
August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9



Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

PRELIMINARY

US Army Corps of Engineers
St. Louis District

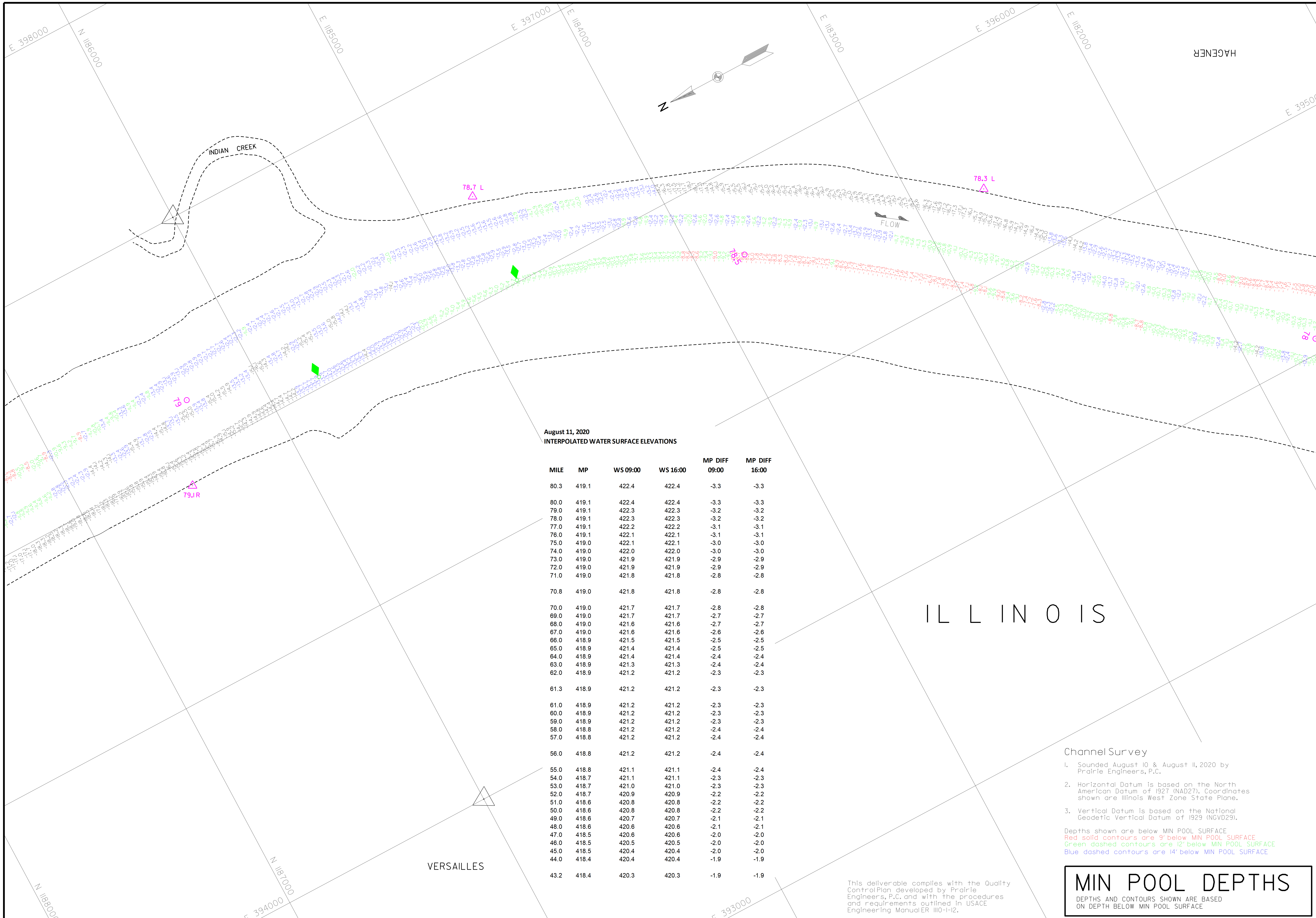
Survey Dates: August 10, 2020 August 11, 2020
SUBMITTED: Chief, Engr. Data Mngt. Sect.
Plot date: 8/14/2020
Plot scale: 1" = 200'
Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED: Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
1



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
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Blue dashed contours are 14' below MIN POOL SURFACE

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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	11 AUG 2020	422.4 (09:00) 422.4 (16:00)	421.8 (09:00) 421.8 (16:00)

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: August 10, 2020
August 11, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.000H020_mp_sht02.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

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.

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

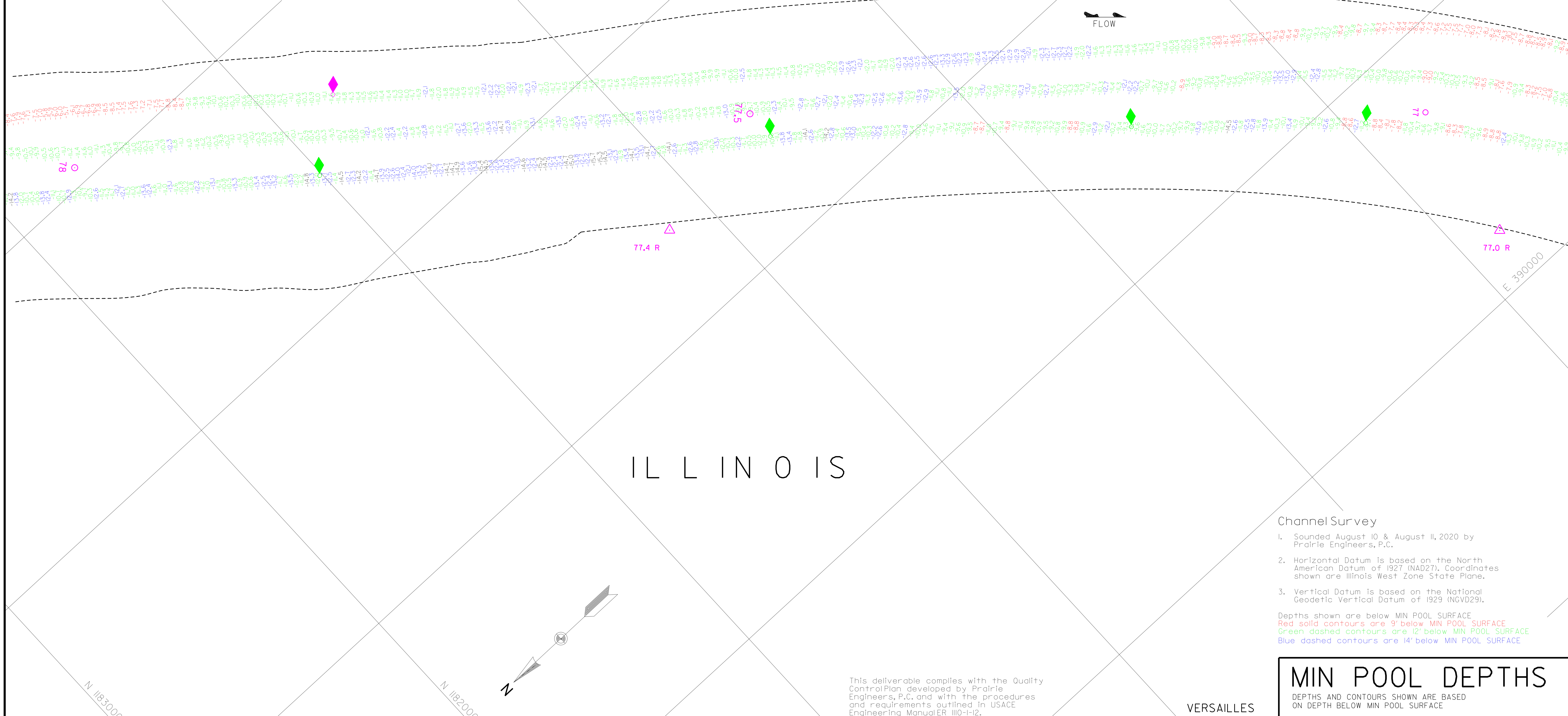
PLATE NUMBER
2

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9



Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

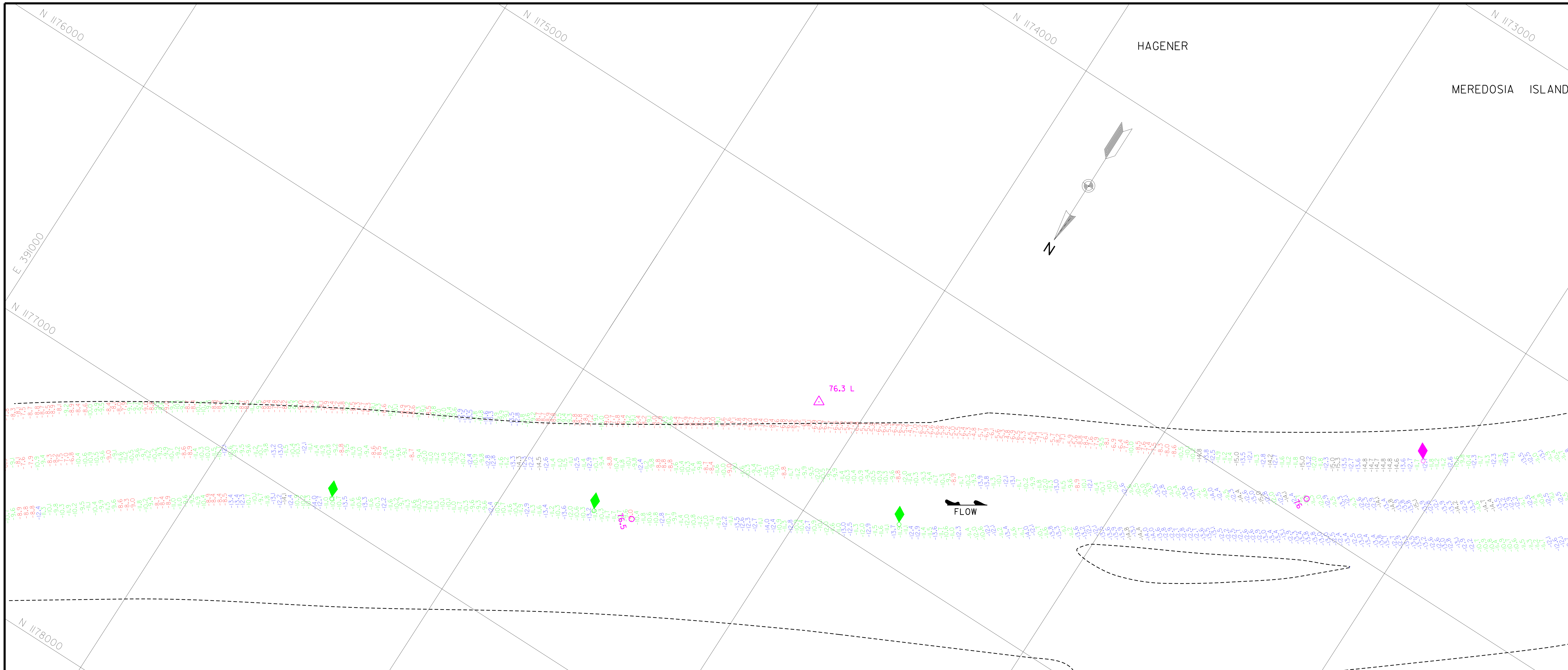
US Army Corps of Engineers
St. Louis District

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
3



ILLINOIS

VERSAILLES

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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US Army Corps of Engineers
St. Louis District

WATER SURFACE	GAGE RECORD	
	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		
11 AUG 2020	422.4 (09:00)	421.8 (09:00)
	422.4 (16:00)	421.8 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_000H1020_mp_sht04.dgn

Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS

Drawn by: BJB

Ckd by: JBF

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

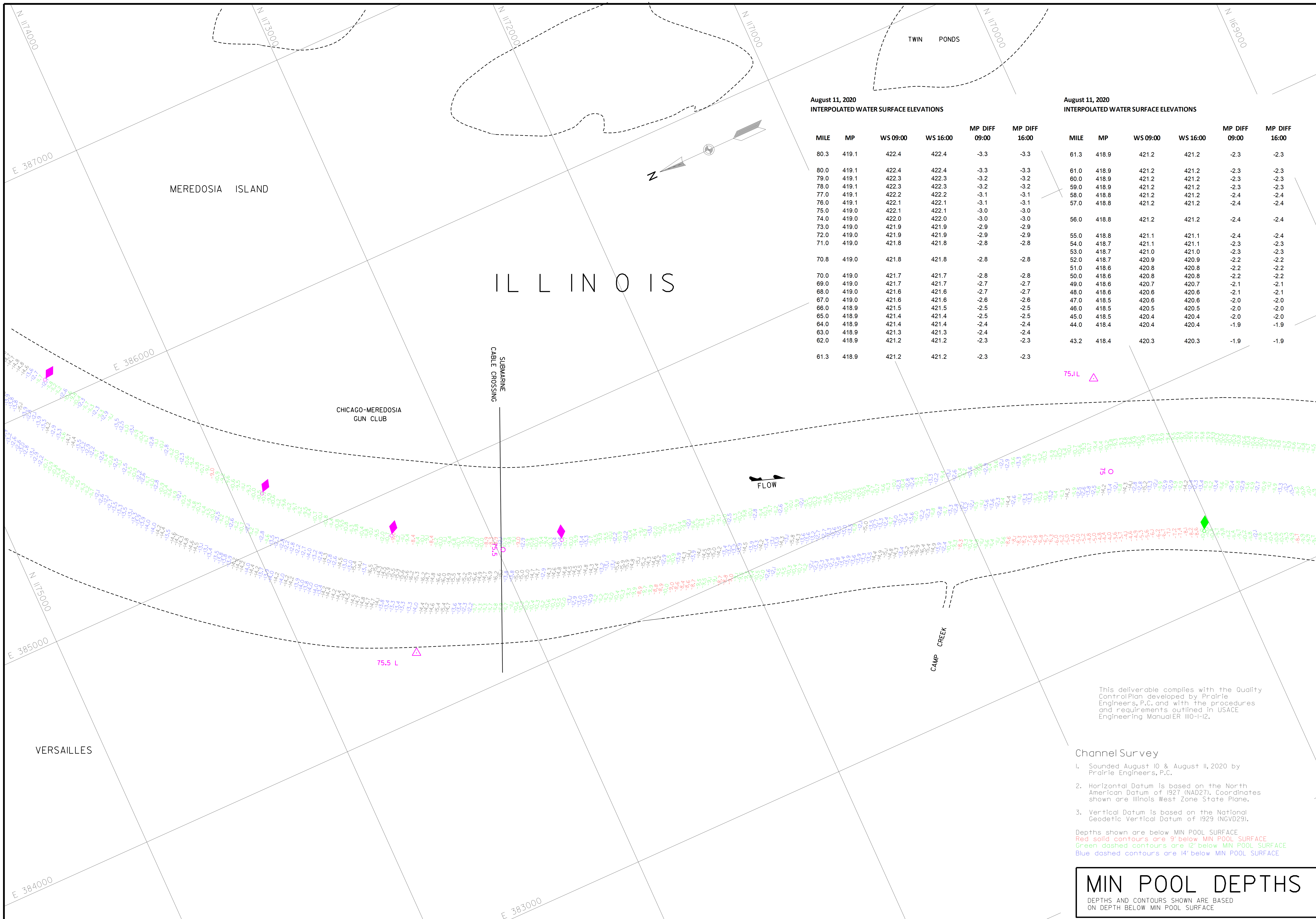
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
4



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

This deliverable complies with the Quality ControlPlan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering ManualER 1110-1-12.

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers
St. Louis District

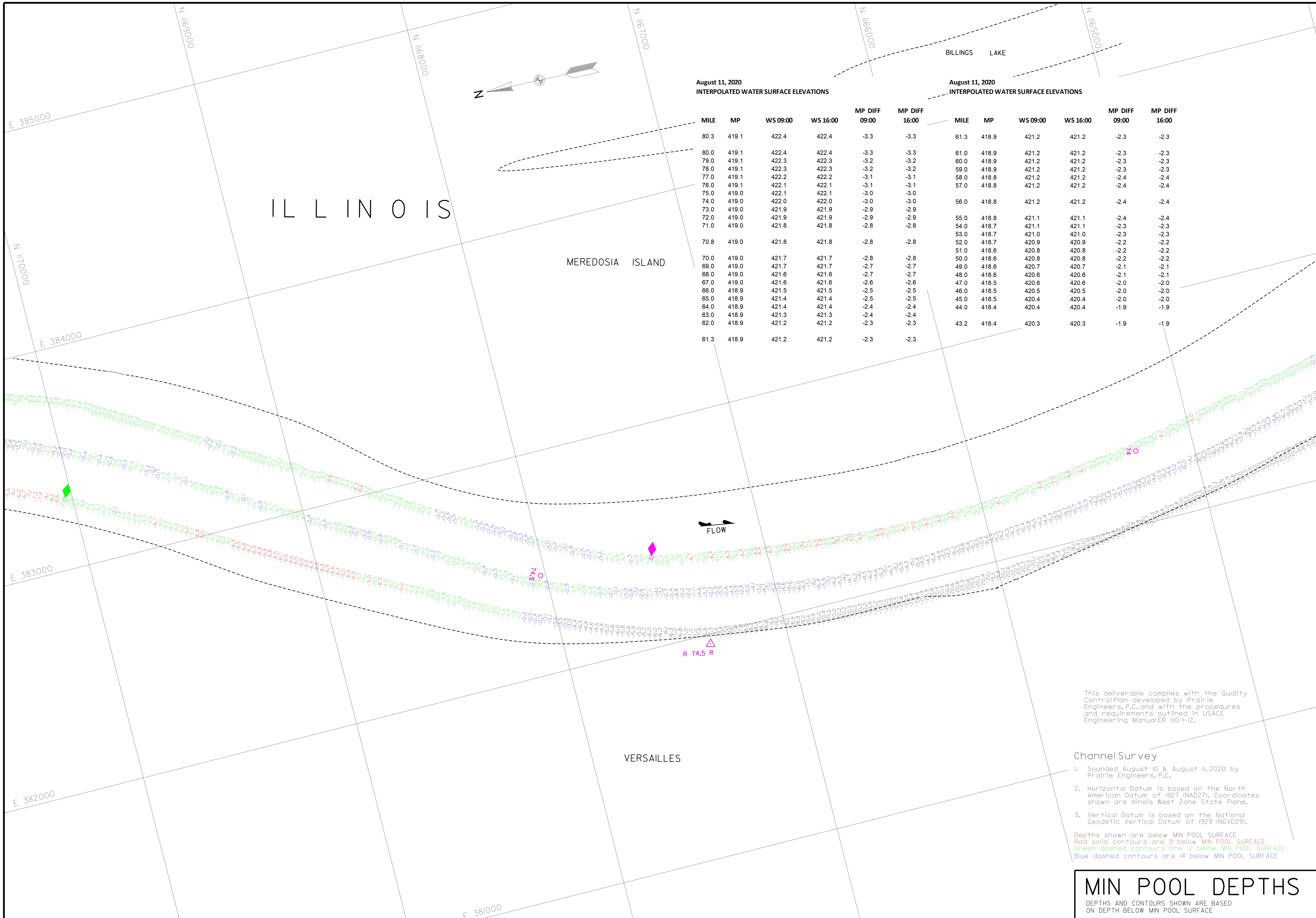
Survey Date: August 10, 2020 August 11, 2020
Surveyed by: PRAIRIE ENGINEERS

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
5



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

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Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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	11 AUG 2020	422.4 (09:00)	421.8 (09:00)
		422.4 (16:00)	421.8 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_000HI020_mp_sht06.dgn

Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS

Drawn by: BJB

Ckd by: JBF

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

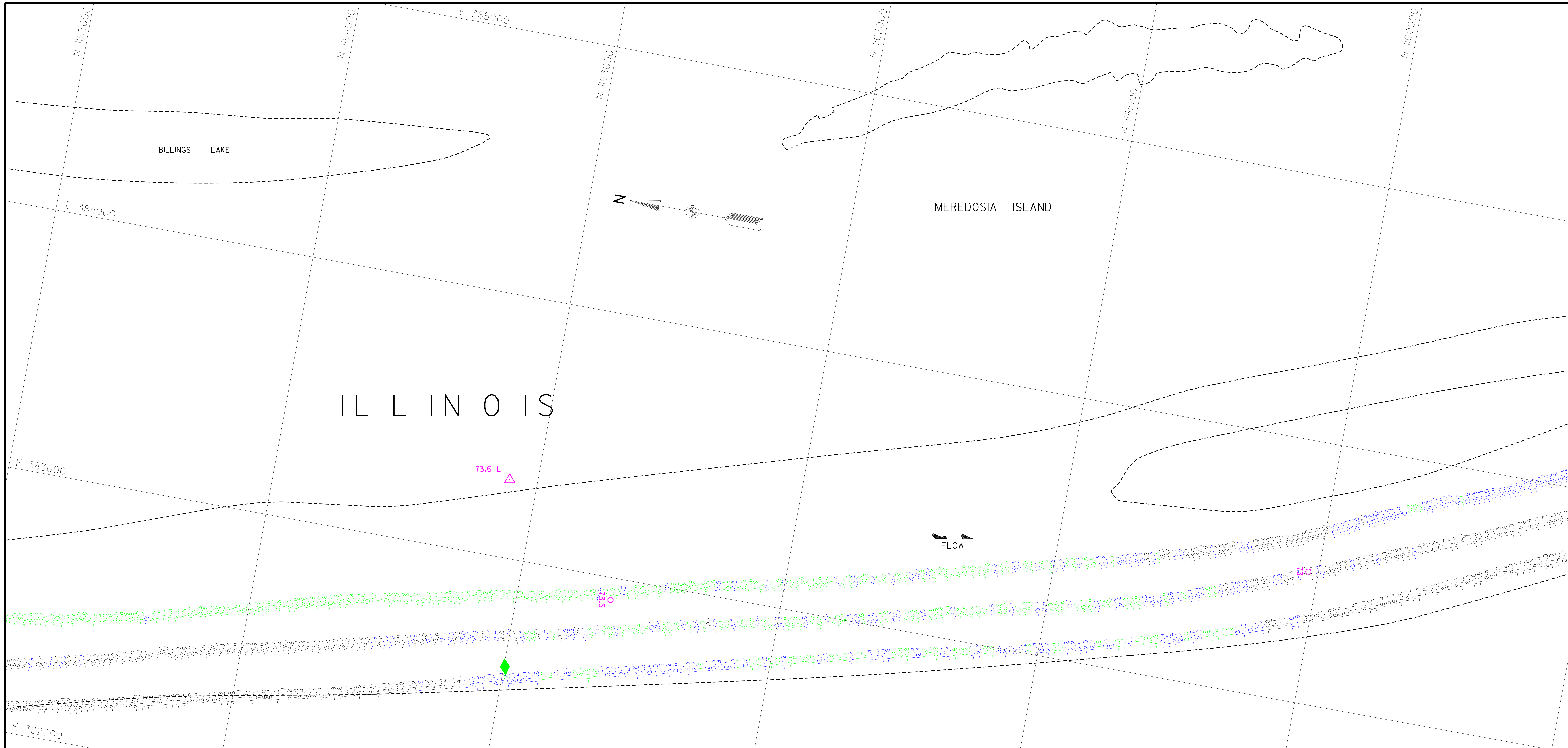
60 0 60 120 METERS
200 0 200 400 FEET

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER

6



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

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Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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	11 AUG 2020	422.4 (09:00)	421.8 (09:00)
		422.4 (16:00)	421.8 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080_000HI020_mp_sht07.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

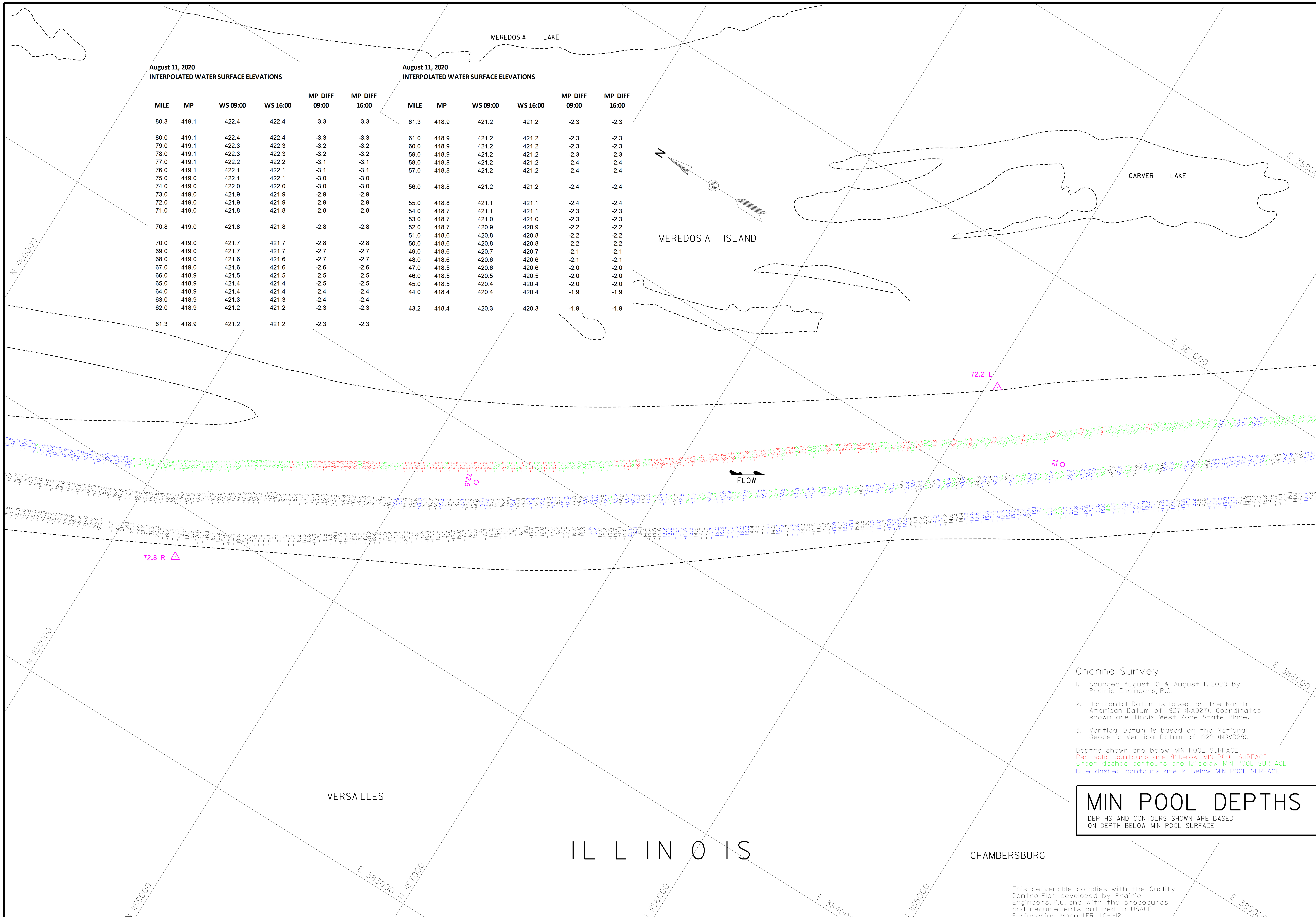
Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
7



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

Channel Survey

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US Army Corps of Engineers
St. Louis District

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Survey Date: August 10, 2020
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Chief, Engr. Data Mngt. Sect.

File name: 080_000HI020_mp_sht08.dgn
Plot date: 8/14/2020
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Drawn by: BJB
Ckd by: JBF

Reviewed by:

APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

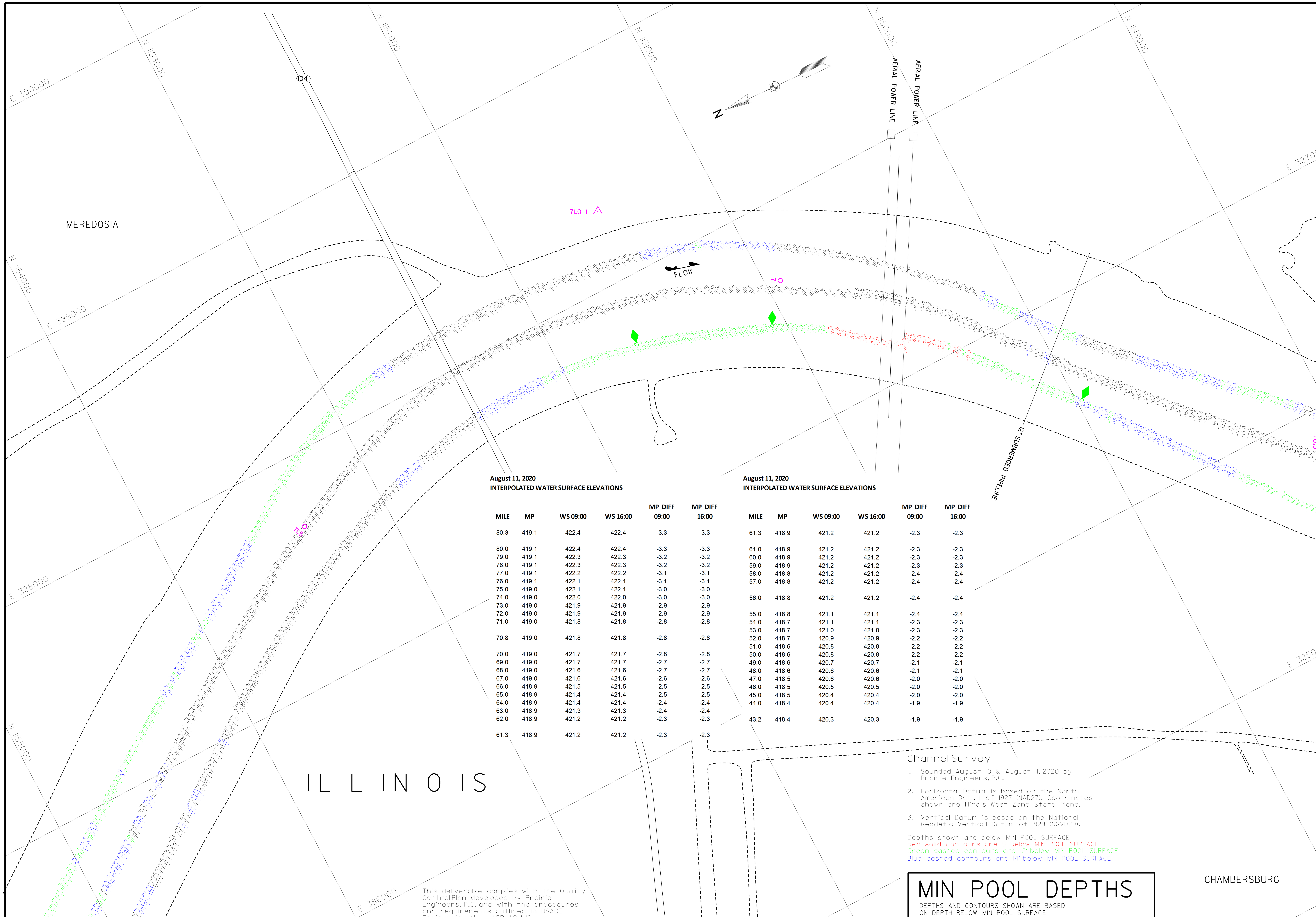
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
8



August 11, 2020
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MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
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78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
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60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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			
11 AUG 2020	422.4 (09:00)	421.8 (09:00)	421.2 (09:00)
	422.4 (16:00)	421.8 (16:00)	421.2 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080_000H1020_mp_sht09.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, GeospatialBranch

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

ILLINOIS RIVER BASIN

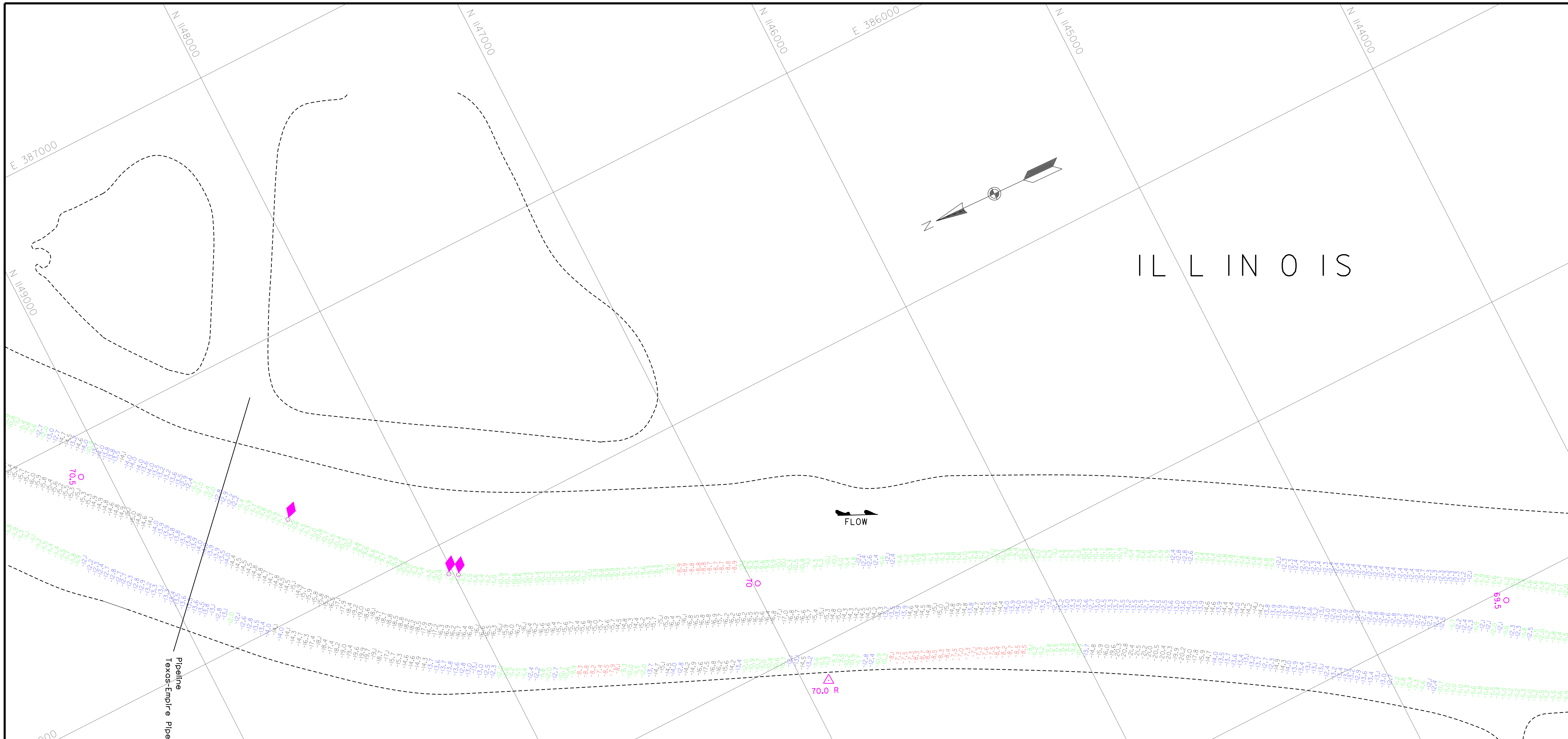
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
9



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

E 384000
E 383000
E 382000
N 1150000

Channel Survey

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MIN POOL DEPTHS

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This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual EM 1110-1-12.

CHAMBERSBURG

US Army Corps of Engineers St. Louis District

Survey Date: August 10, 2020 August 11, 2020

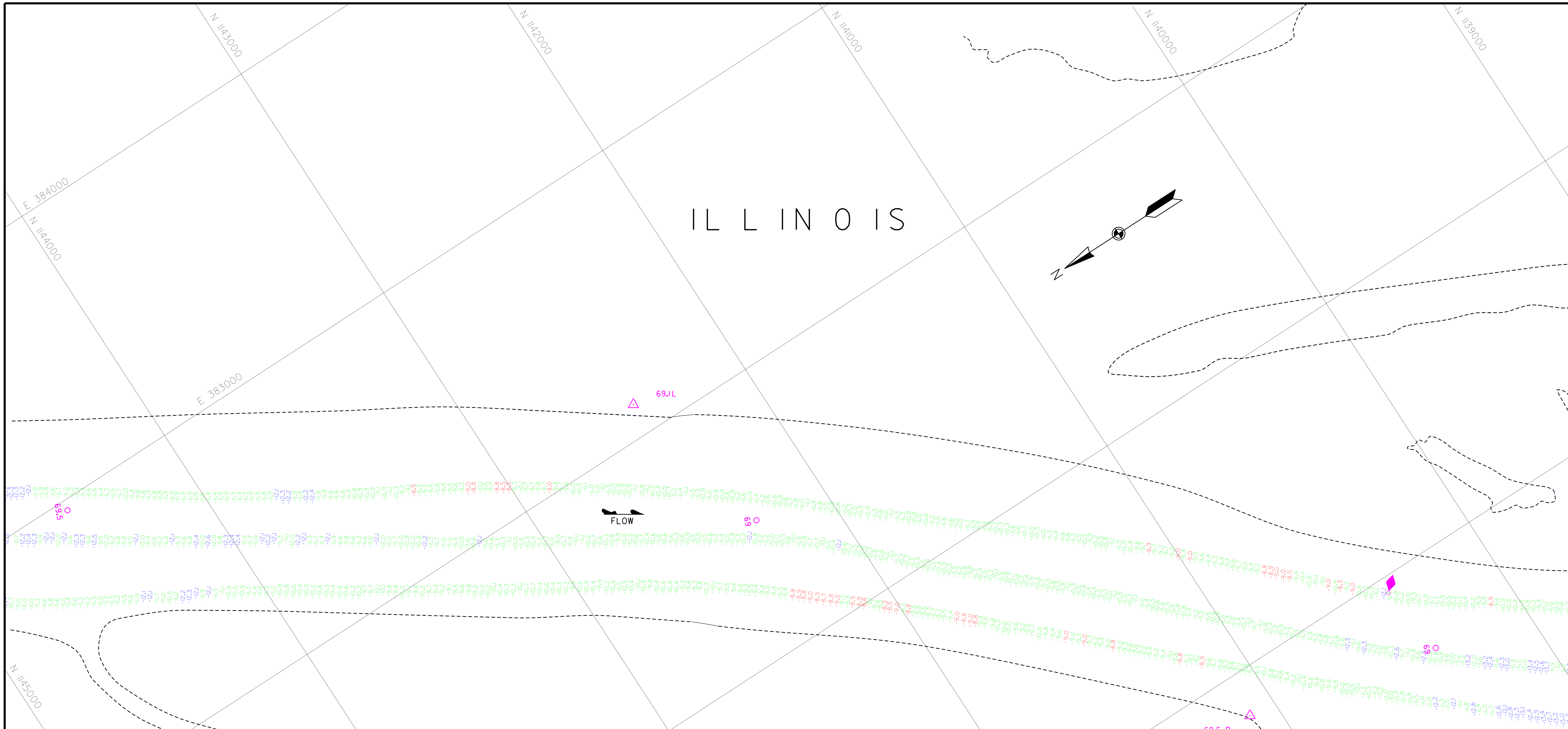
Surveyed by: PRAIRIE ENGINEERS

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
10



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers
St. Louis District

WATER SURFACE	GAGE RECORD	
	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.	418.0	418.0
MILE	70.8	61.3
MIN POOL	419.0	418.9
DATE		
11 AUG 2020	421.8 (09:00)	421.2 (09:00)
	421.8 (16:00)	421.2 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080.000H020_mp_sht11.dgn

Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

60 0 60 120 METERS
200 0 200 400 FEET

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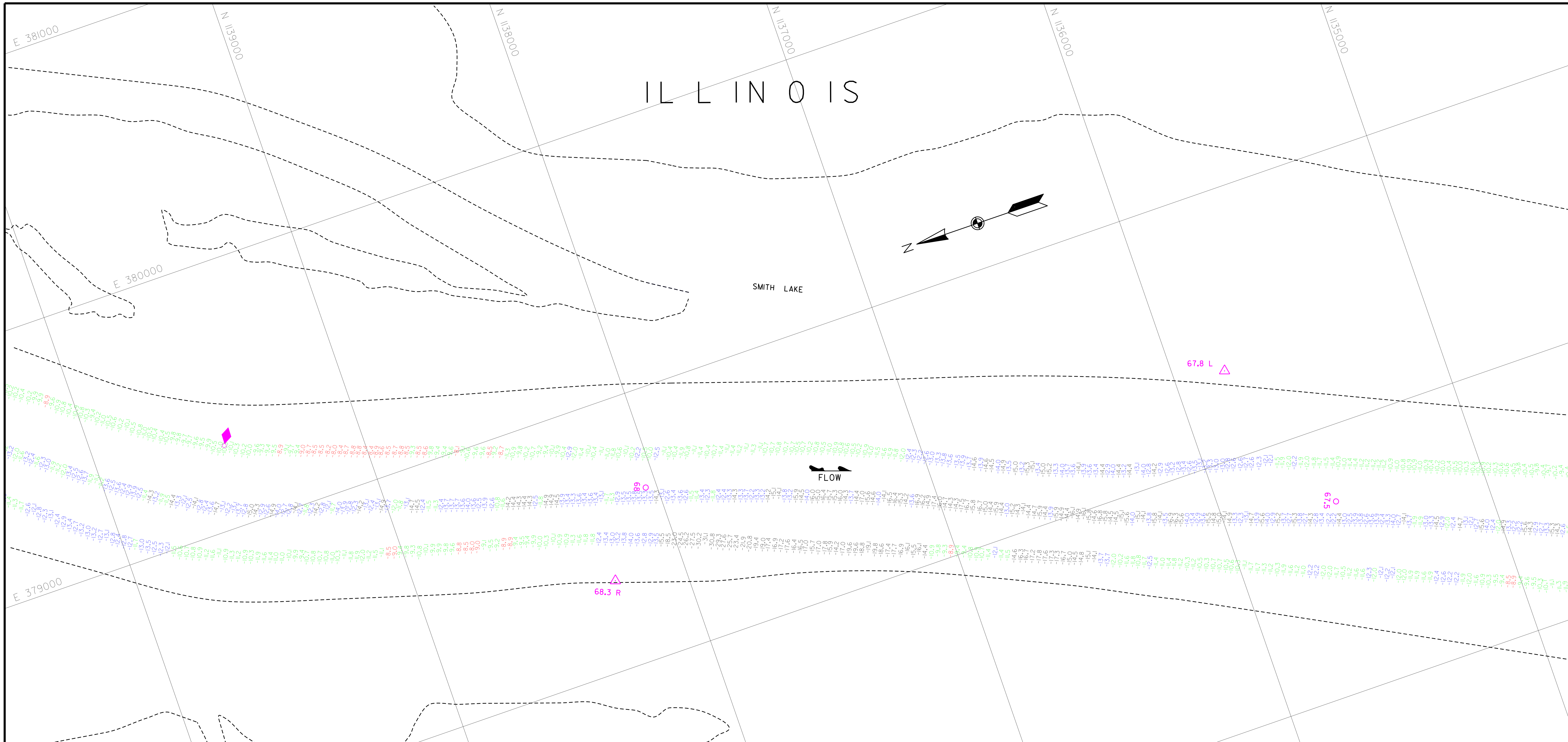
CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
11



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

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Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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			
	11 AUG 2020	421.8 (09:00)	421.2 (09:00)
		421.8 (16:00)	421.2 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_000HI020_mp_sht12.dgn

Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS

Drawn by: BJB
Ckd by: JBF

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

60 0 60 120 METERS
200 0 200 400 FEET

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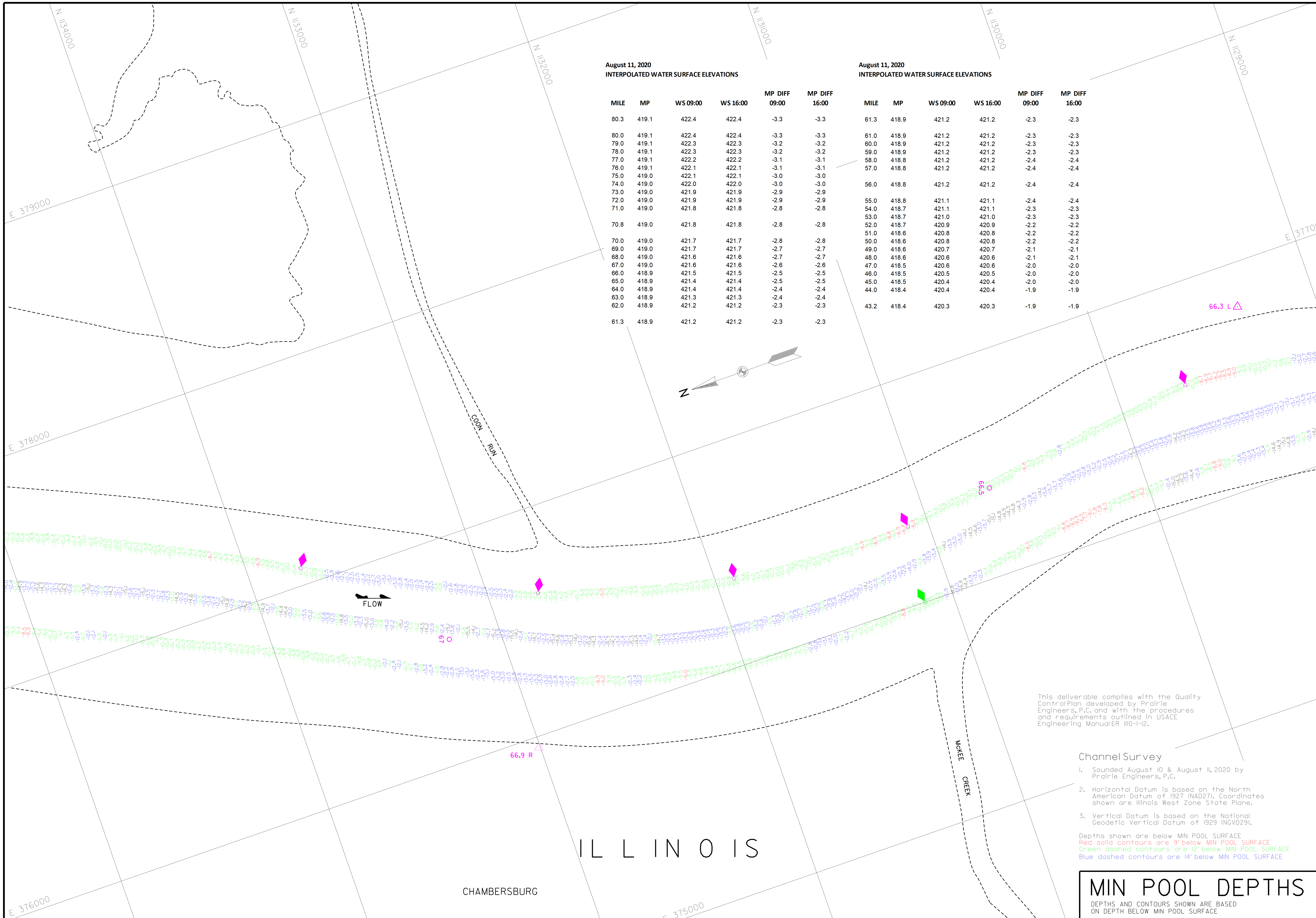
CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
12



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
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61.0	418.9	421.2	421.2	-2.3	-2.3
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59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers
St. Louis District

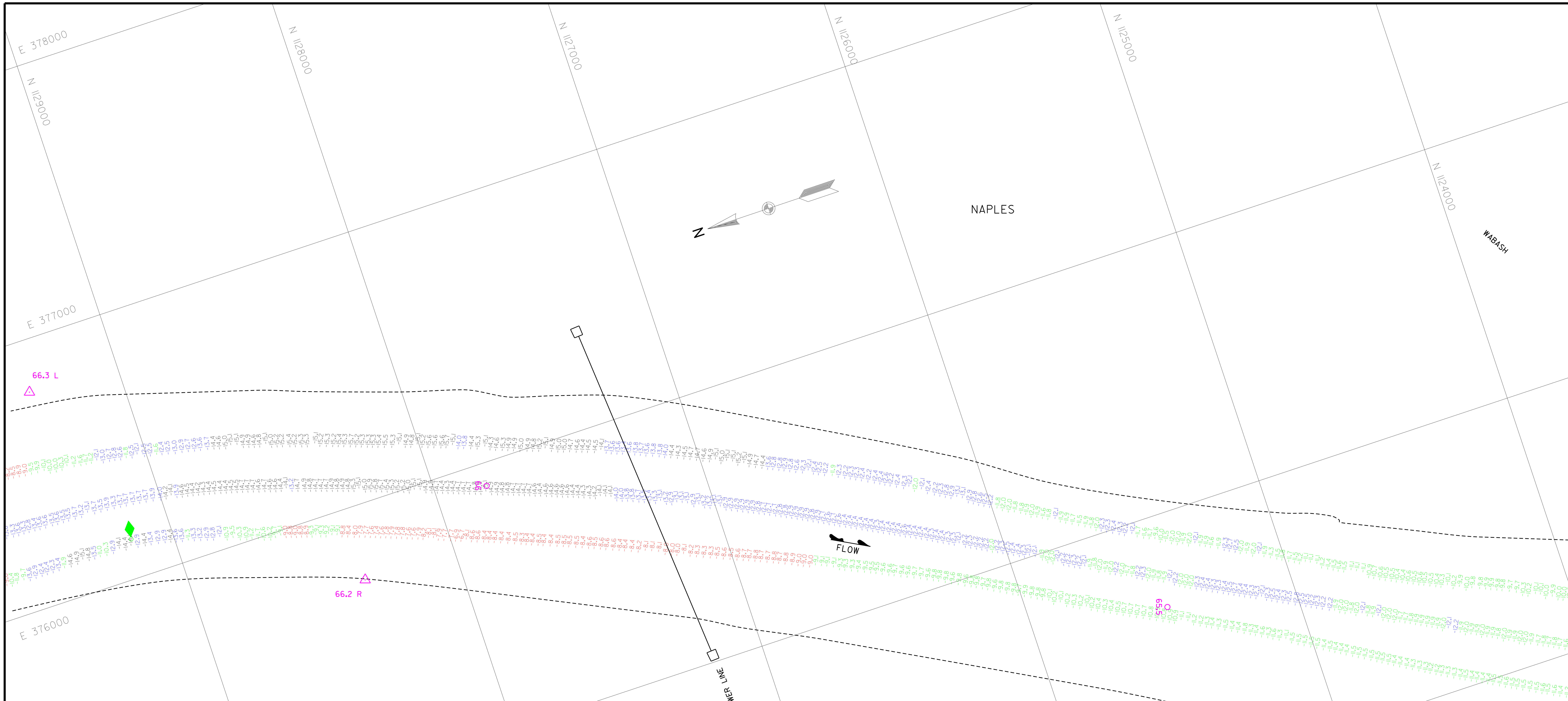
Survey Dates: August 10, 2020 August 11, 2020
Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED: Chief, Geospatial Branch
SUBMITTED: Chief, Engr. Data Mngt. Sect.

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
13



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers
St. Louis District

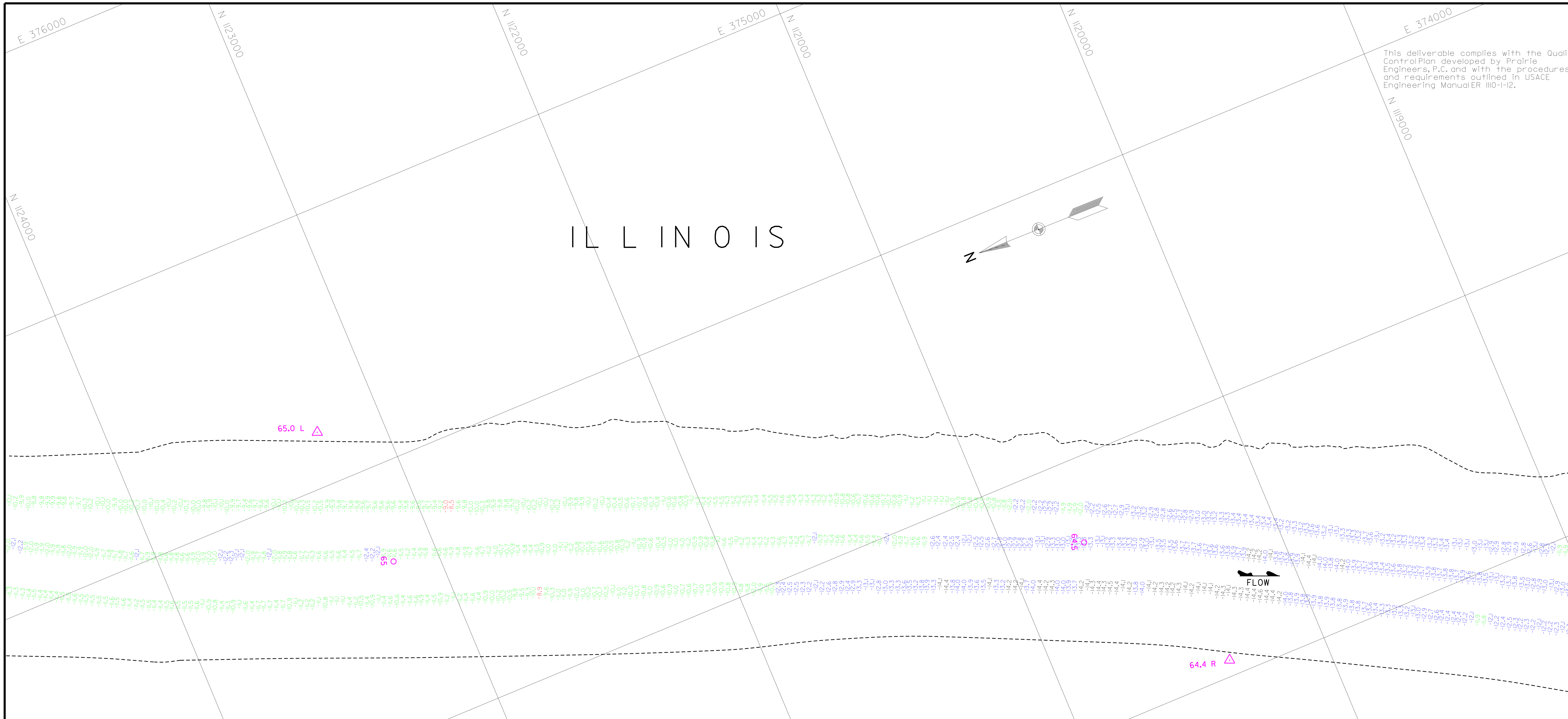
Survey Date: August 10, 2020 August 11, 2020
Surveyed by: PRAIRIE ENGINEERS

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
14



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

E 373000
N 1125000
E 372000
E 371000

FLINT

Channel Survey

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US Army Corps of Engineers
St. Louis District

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Survey Date: August 10, 2020
August 11, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080_000HI020_mp_sht15.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

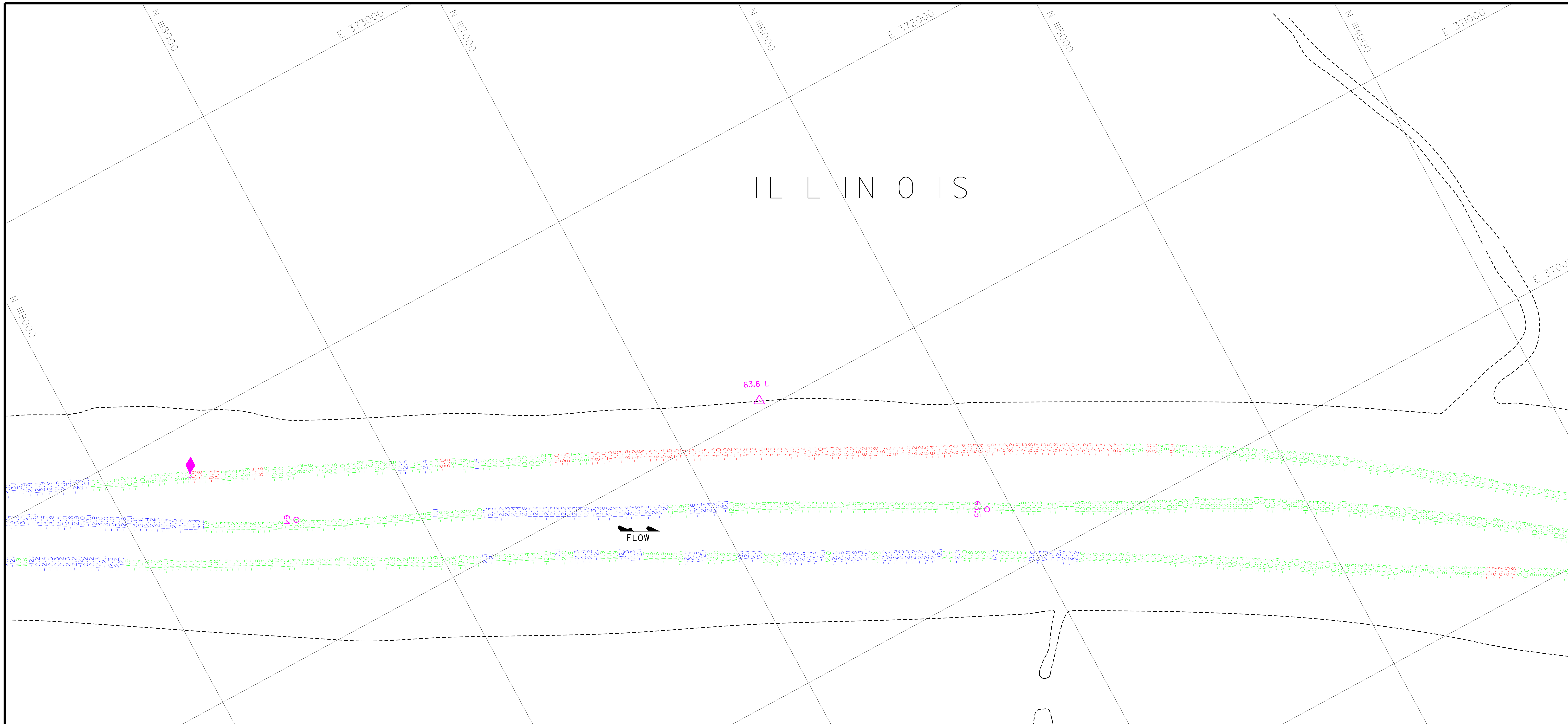
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER BASIN

ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
15



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

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Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers
St. Louis District

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

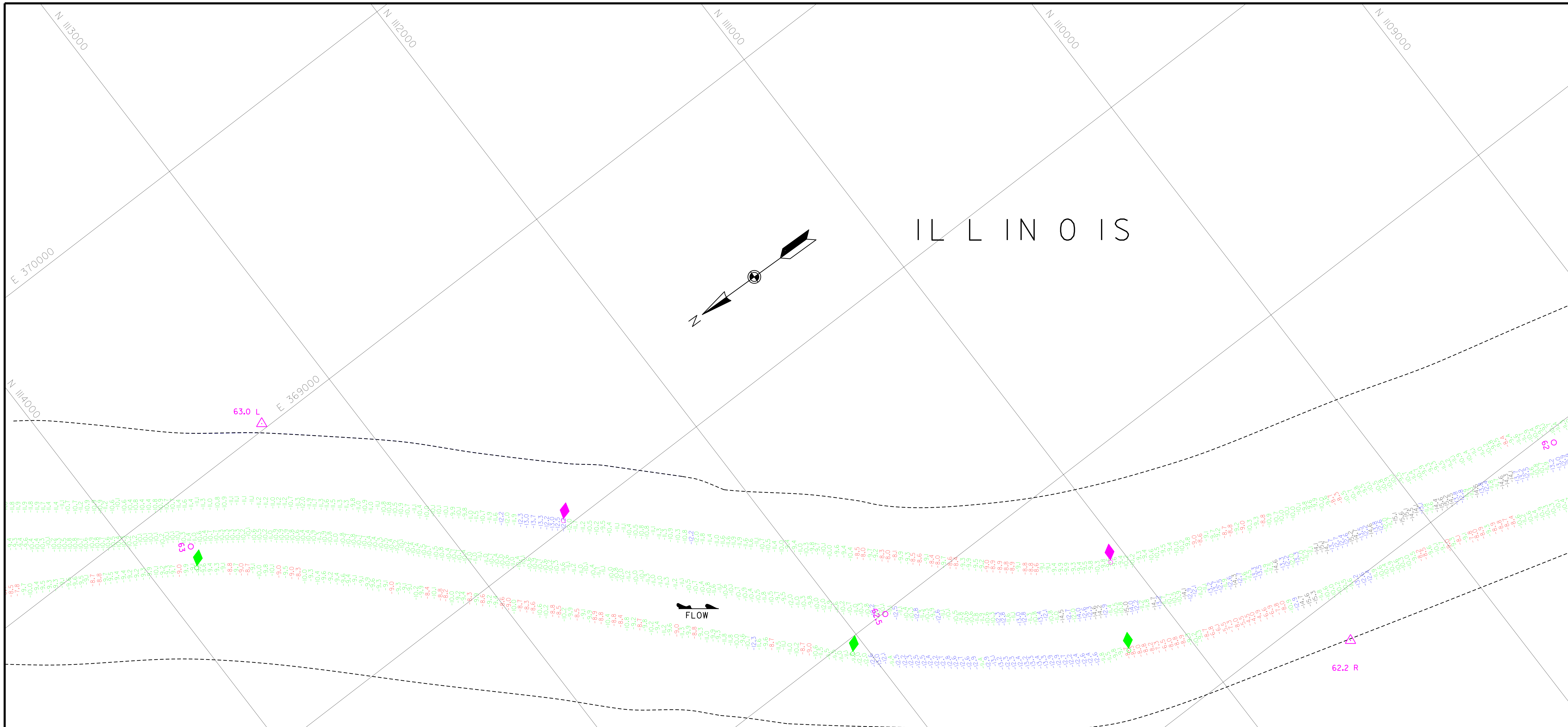
ILLINOIS RIVER BASIN

ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
16



FLINT

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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	11 AUG 2020	421.8 (09:00) 421.8 (16:00)	421.2 (09:00) 421.2 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080.000H020_mp_sht17.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

60 0 60 120 METERS
200 0 200 400 FEET

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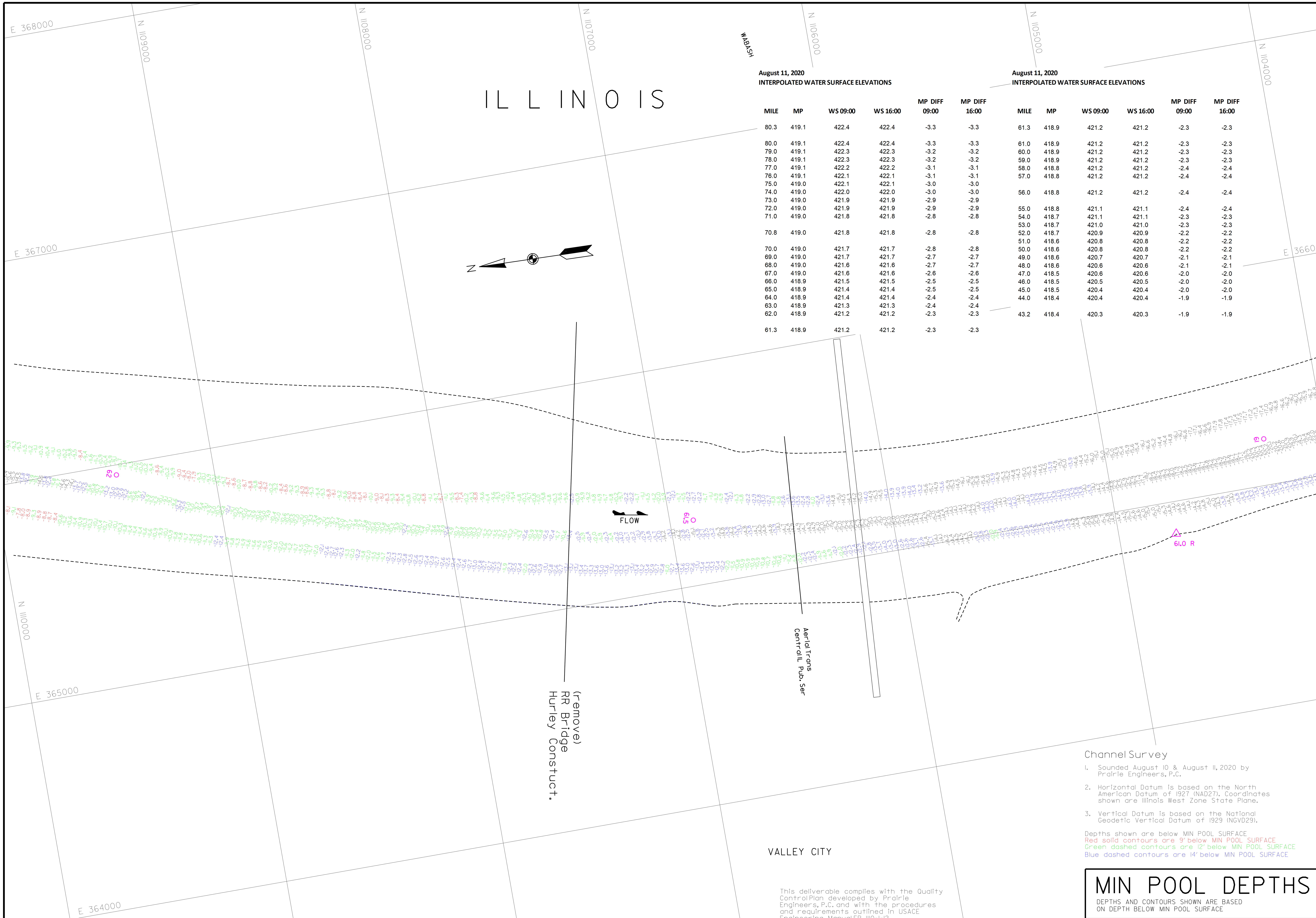
CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
17



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
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77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
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60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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				
	11 AUG 2020	421.8 (09:00)	421.2 (09:00)	421.2 (09:00)
		421.8 (16:00)	421.2 (16:00)	421.2 (16:00)

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: August 10, 2020
August 11, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.000H020_mp_sht18.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

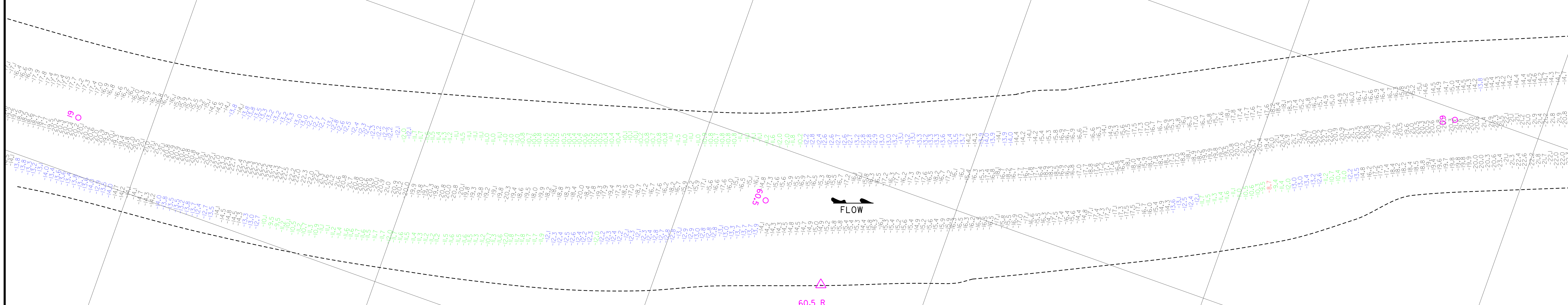
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
18



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

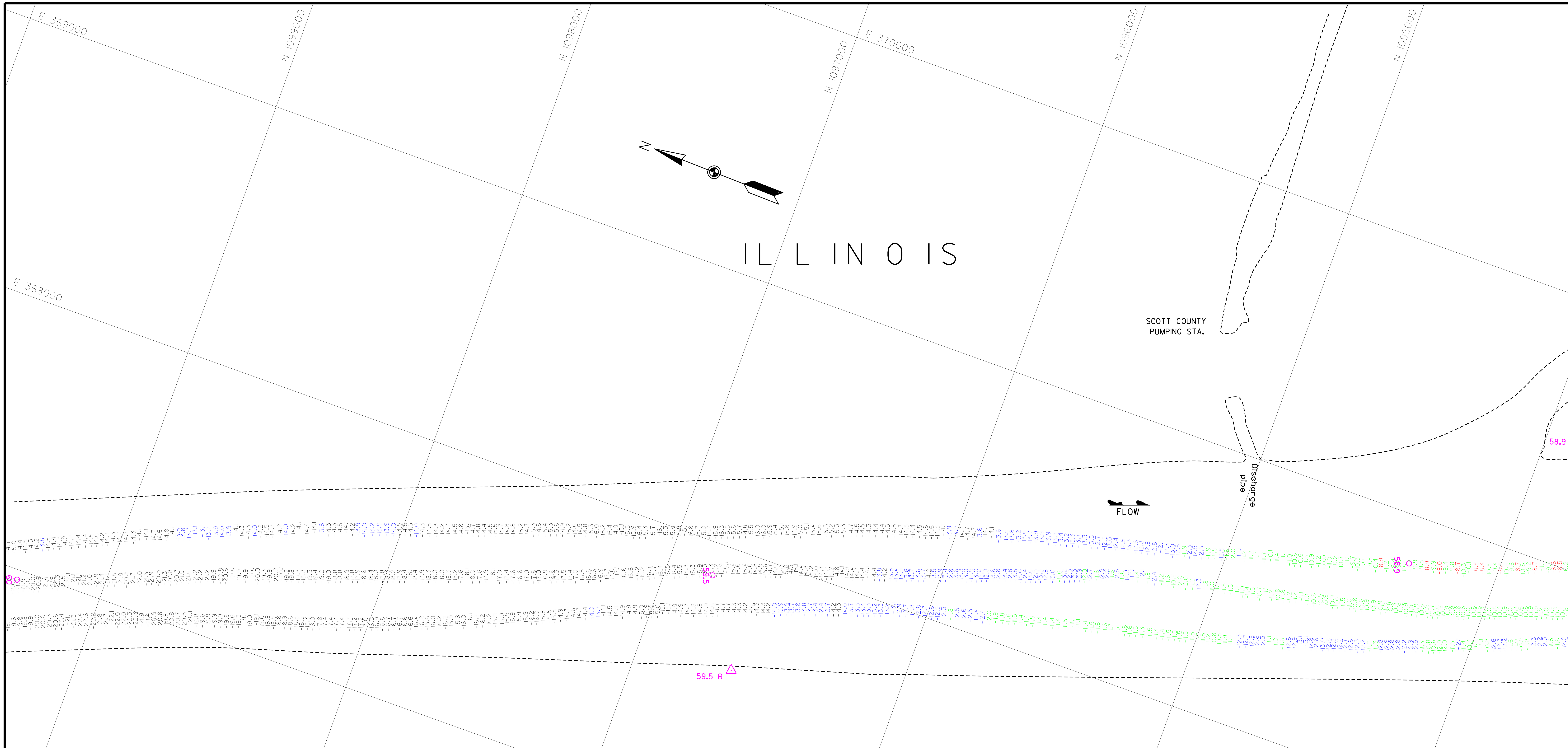
US Army Corps of Engineers
St. Louis District

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
19



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

Channel Survey

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MIN POOL DEPTHS

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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	11 AUG 2020	421.2 (09:00)	421.2 (09:00)
		421.2 (16:00)	421.2 (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: August 10, 2020
August 11, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.000H020.mp.sht20.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
20

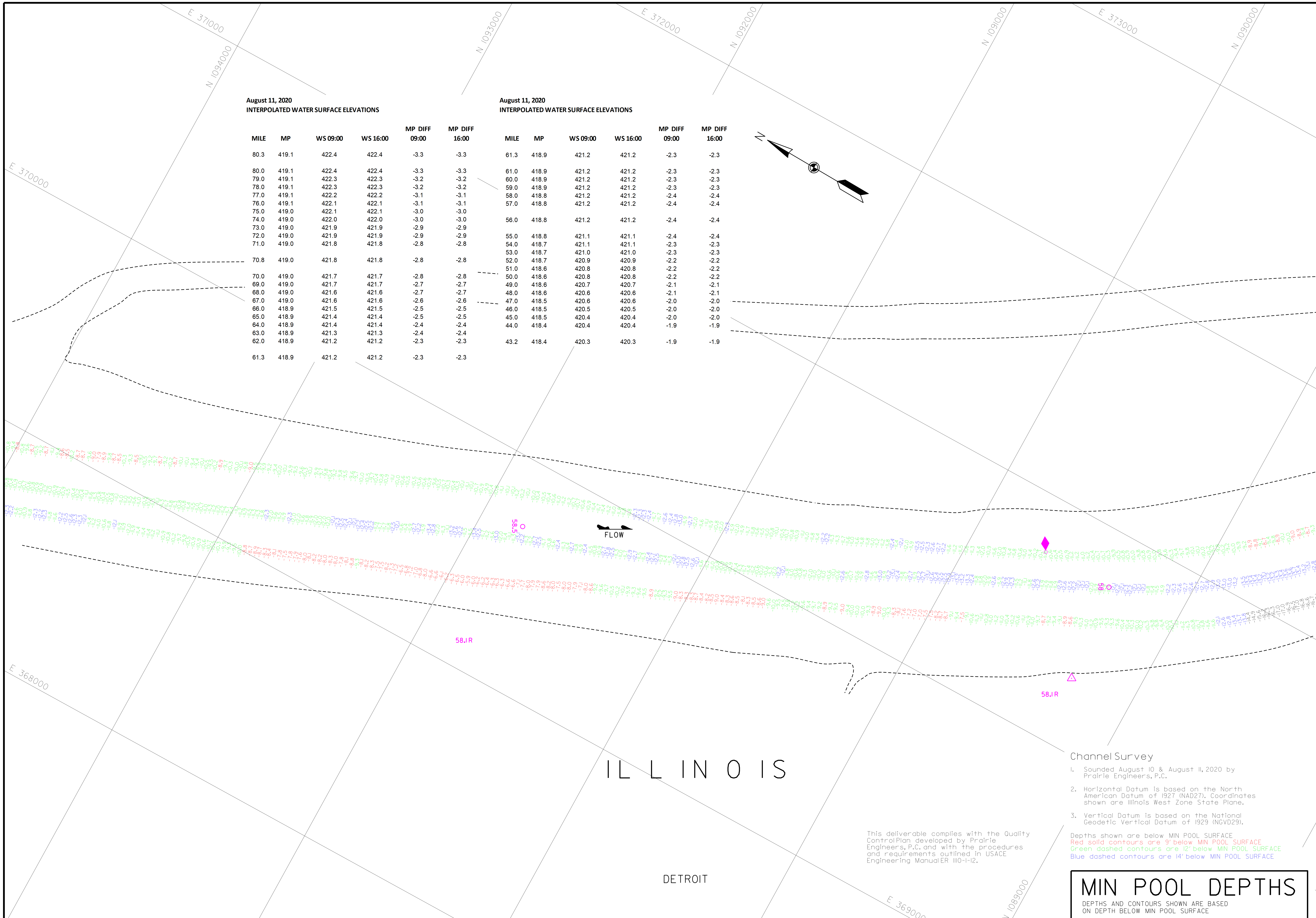
US Army Corps
of Engineers
St. Louis District

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9



Channel Survey

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MIN POOL DEPTHS

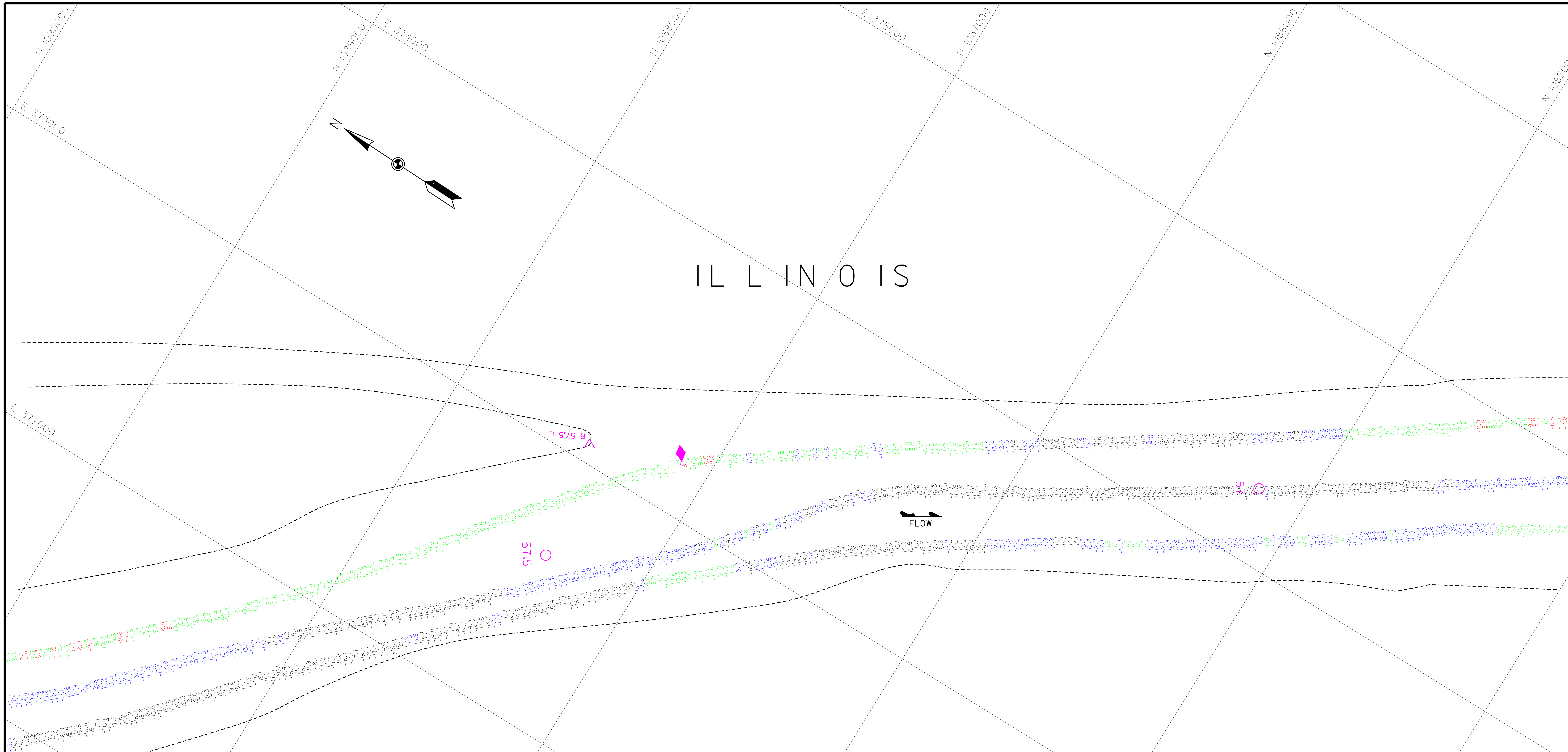
DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
21



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

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MIN POOL DEPTHS

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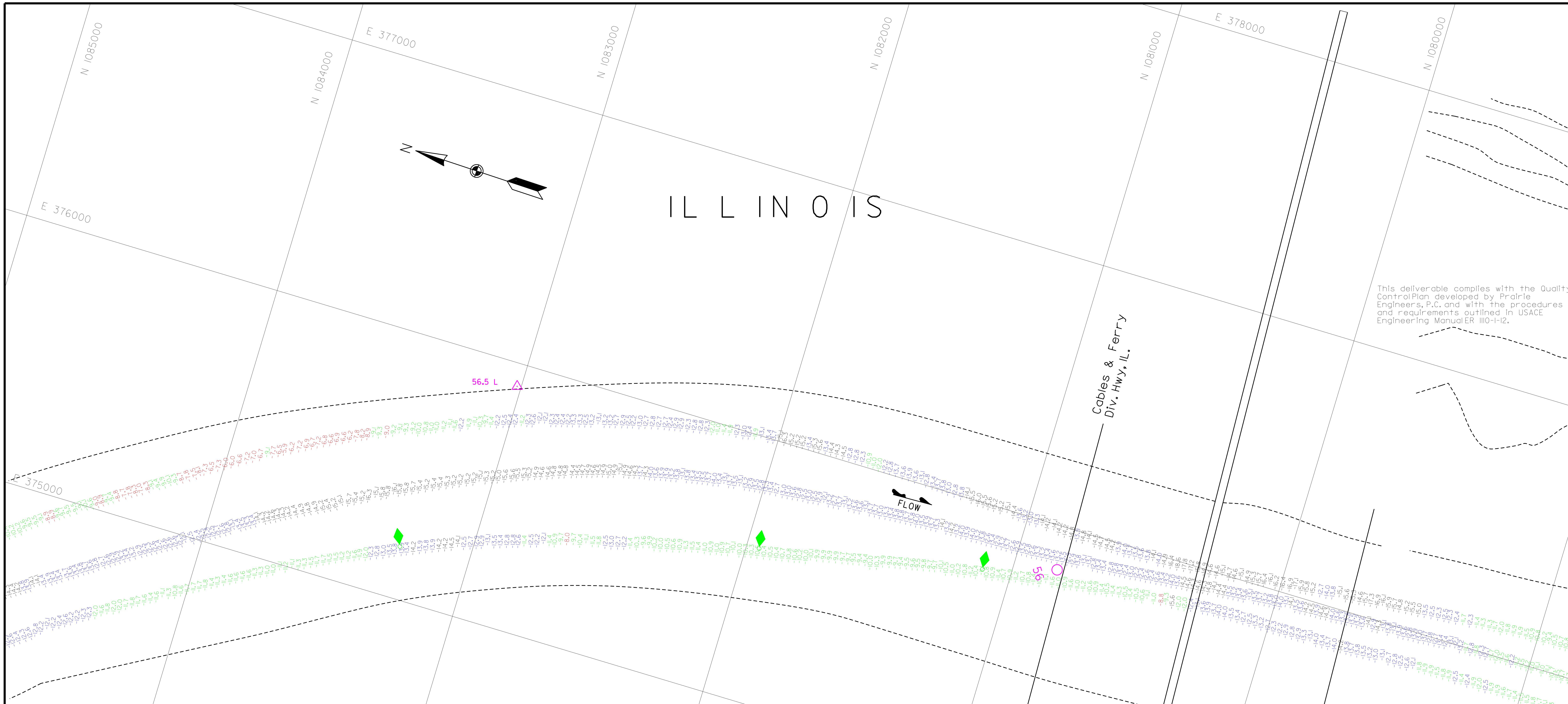
US Army Corps of Engineers
St. Louis District

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
22



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August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
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3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

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Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers
St. Louis District

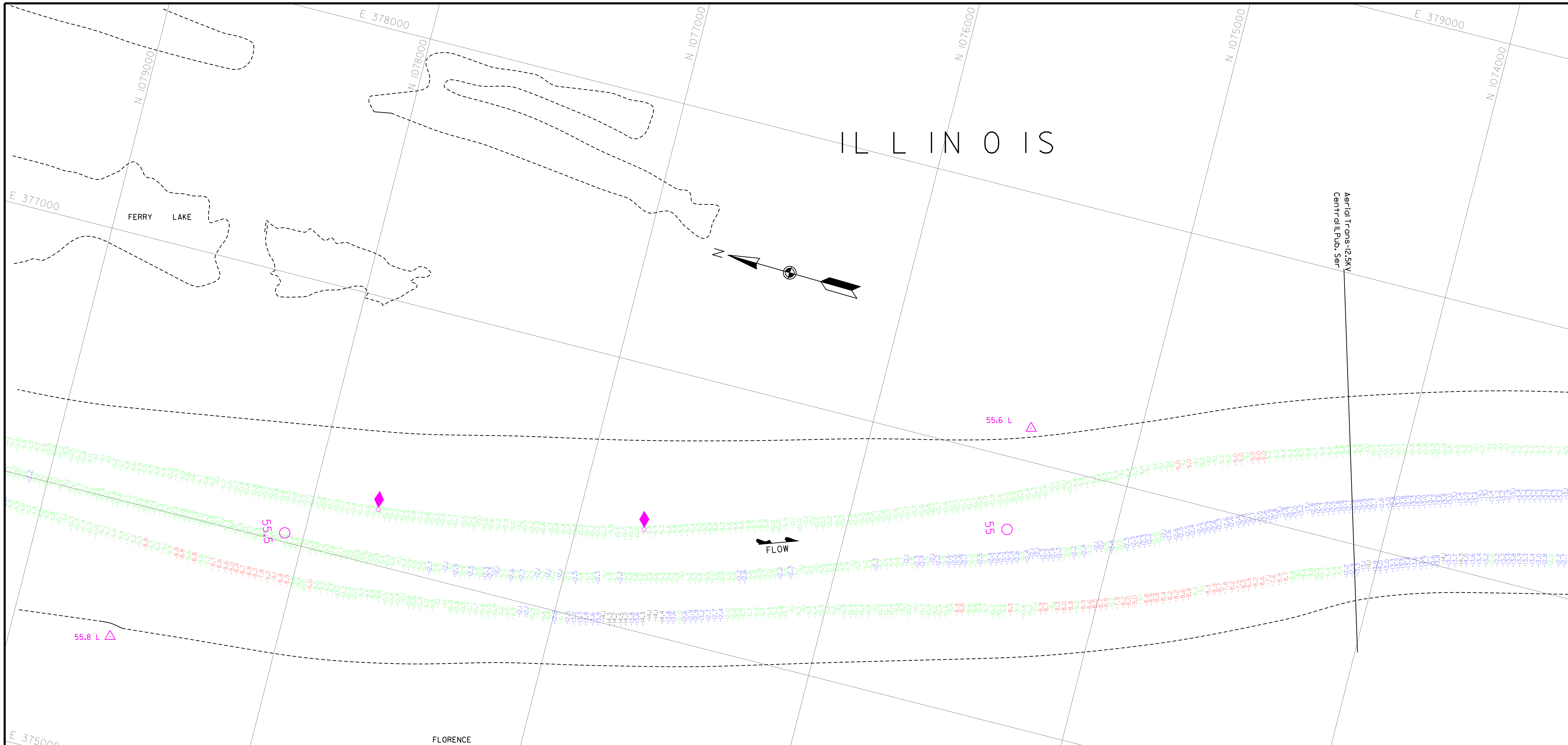
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
23



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

DETROIT

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

This deliverable complies with the Quality ControlPlan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering ManualER 1110-1-12.

Channel Survey

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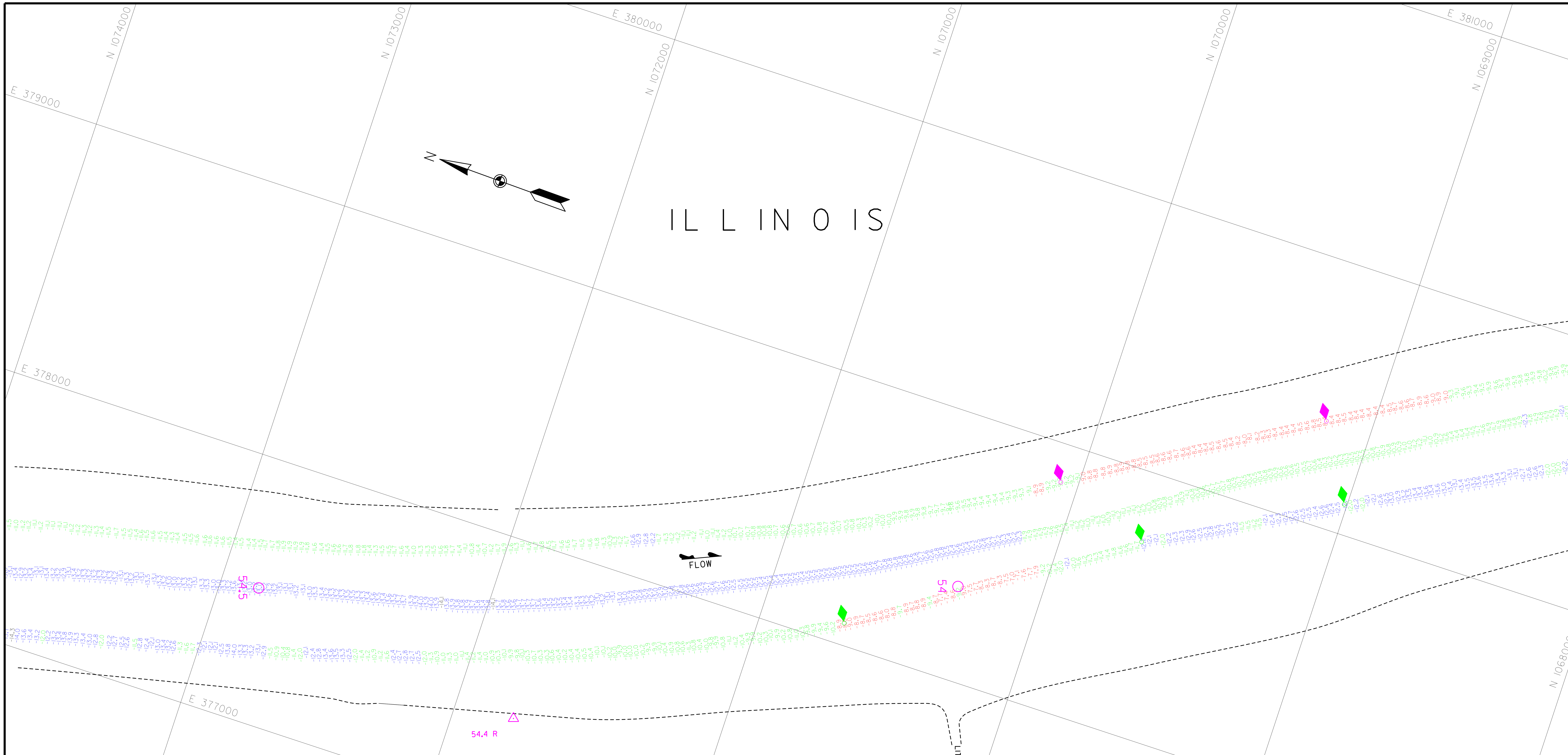
US Army Corps of Engineers
St. Louis District

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
24



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers
St. Louis District

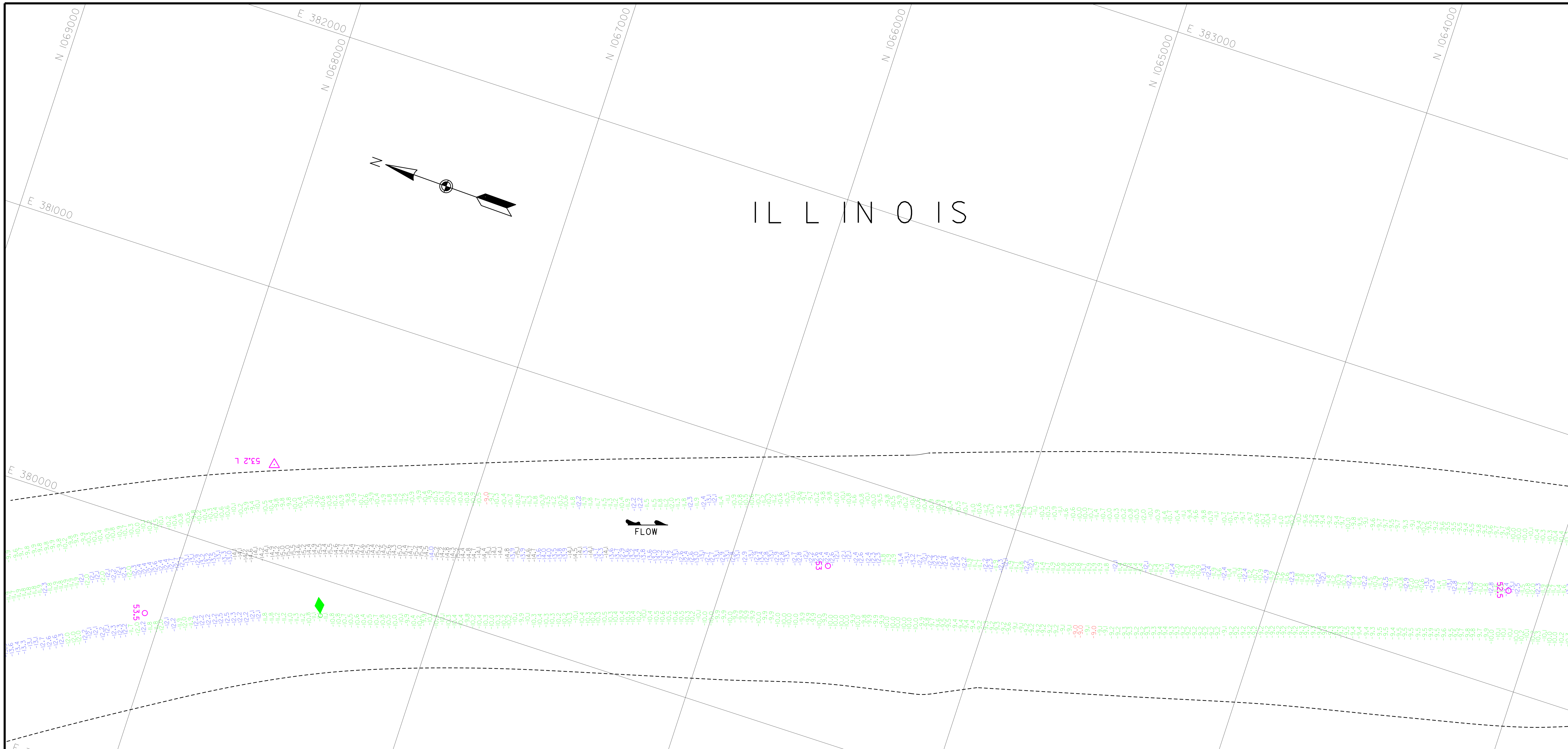
Survey Date: August 10, 2020 August 11, 2020
Surveyed by: PRAIRIE ENGINEERS

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
25



August 11, 2020
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MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

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Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

N 1063000

DETROIT

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	11 AUG 2020	421.2 (09:00)	420.3 (09:00)
		421.2 (16:00)	420.3 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_000HI020_mp_sht26.dgn

Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS

Drawn by: BJB

Ckd by: JBF

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

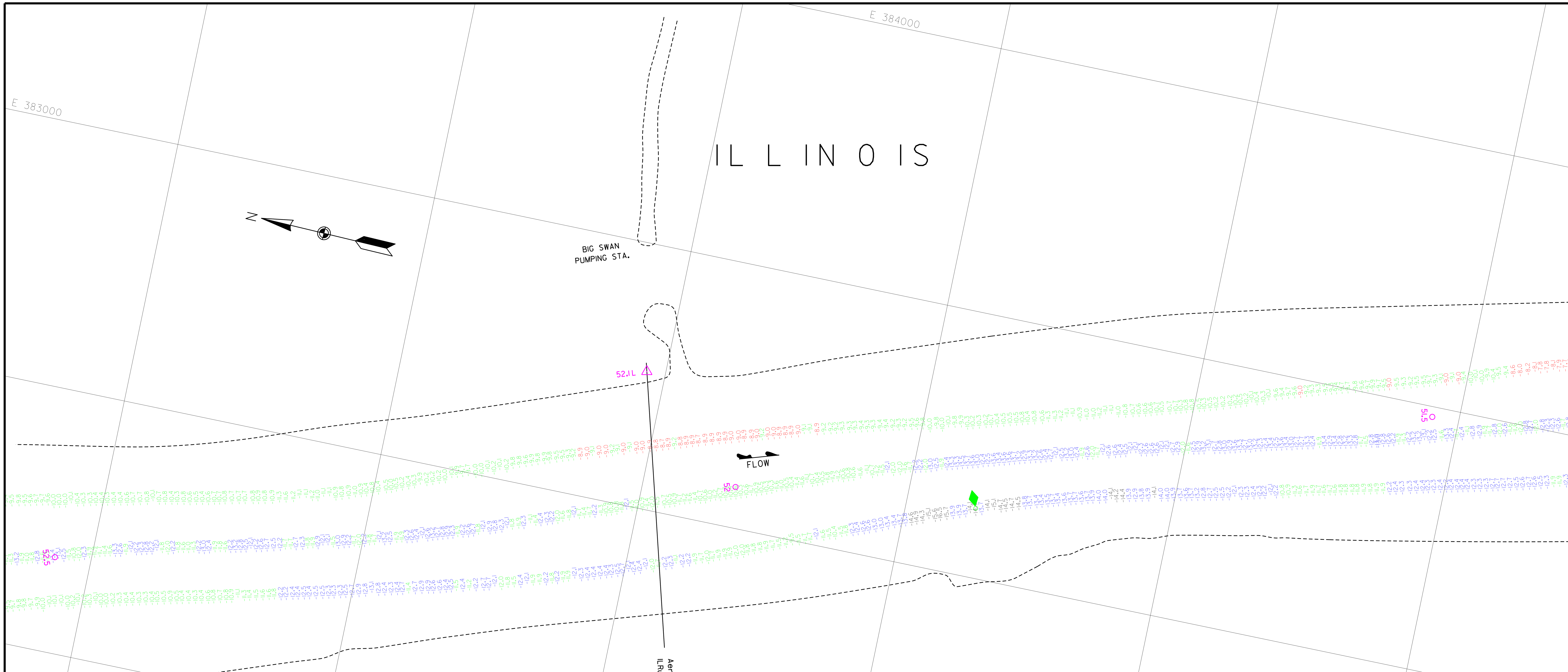
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
26



August 11, 2020
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77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

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Blue dashed contours are 14' below MIN POOL SURFACE

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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		
11 AUG 2020	421.2 (09:00)	420.3 (09:00)
	421.2 (16:00)	420.3 (16:00)

Survey Date: August 10, 2020
August 11, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080_0004020_mp_sht27.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

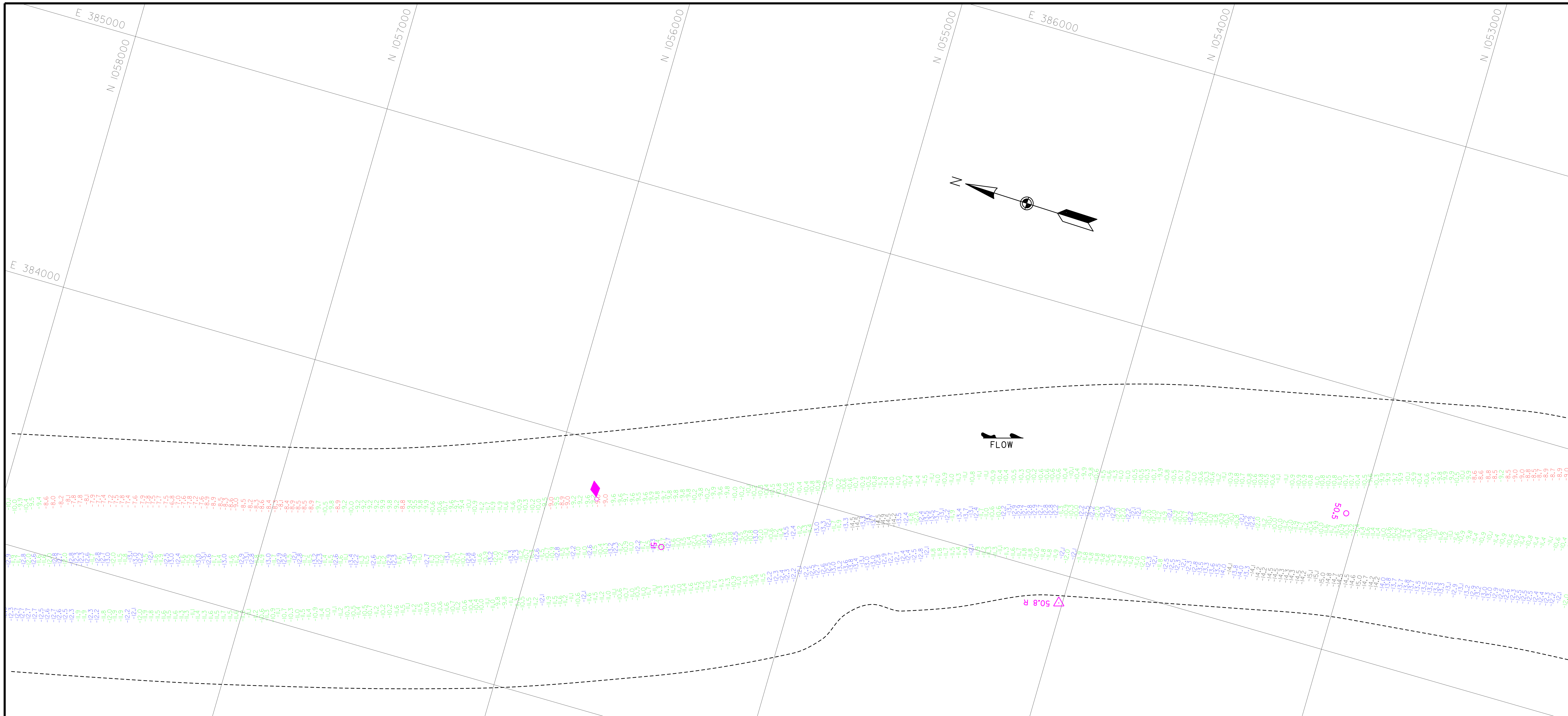
120 METERS 60 0 60
400 FEET 200 0 200

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.

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
27

US Army Corps of Engineers
St. Louis District



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

E 382000
E 383000
N 1052000
E 381000

Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

Surveyed by: PRAIRIE ENGINEERS
Survey Date: August 10, 2020
August 11, 2020

PLATE NUMBER
28

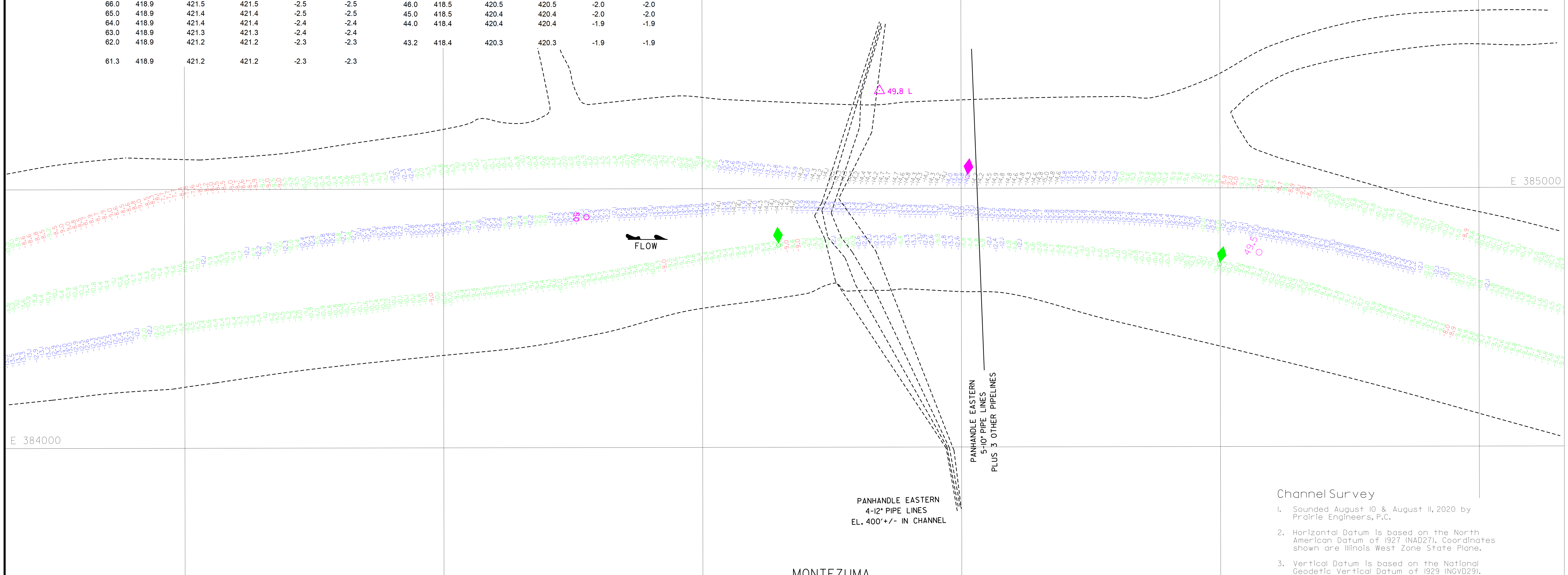
US Army Corps of Engineers
St. Louis District

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9



Channel Survey

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MIN POOL DEPTHS

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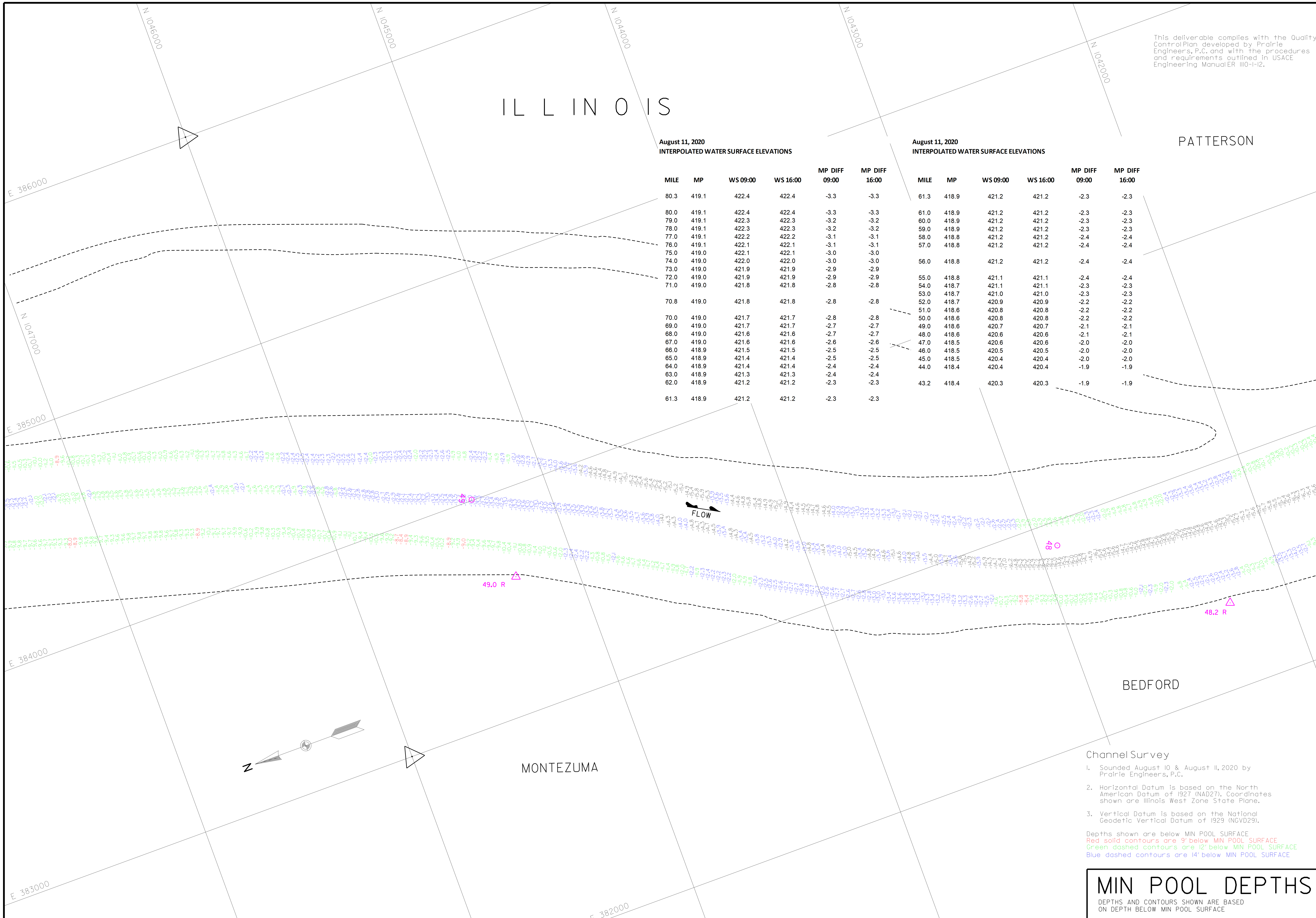
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
29



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

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Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers St. Louis District

	WATER SURFACE		
GAGE RECORD		FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	11 AUG 2020	421.2 (0900) 421.2 (1600)	420.3 (0900) 420.3 (1600)

ELEVATIONS ARE REFERRED TO N.G.V.D. CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (L.W.R.P.) (SA000 S.F.S.)

Survey Date: August 10, 2020 August 11, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.000M020_mp_sht30.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

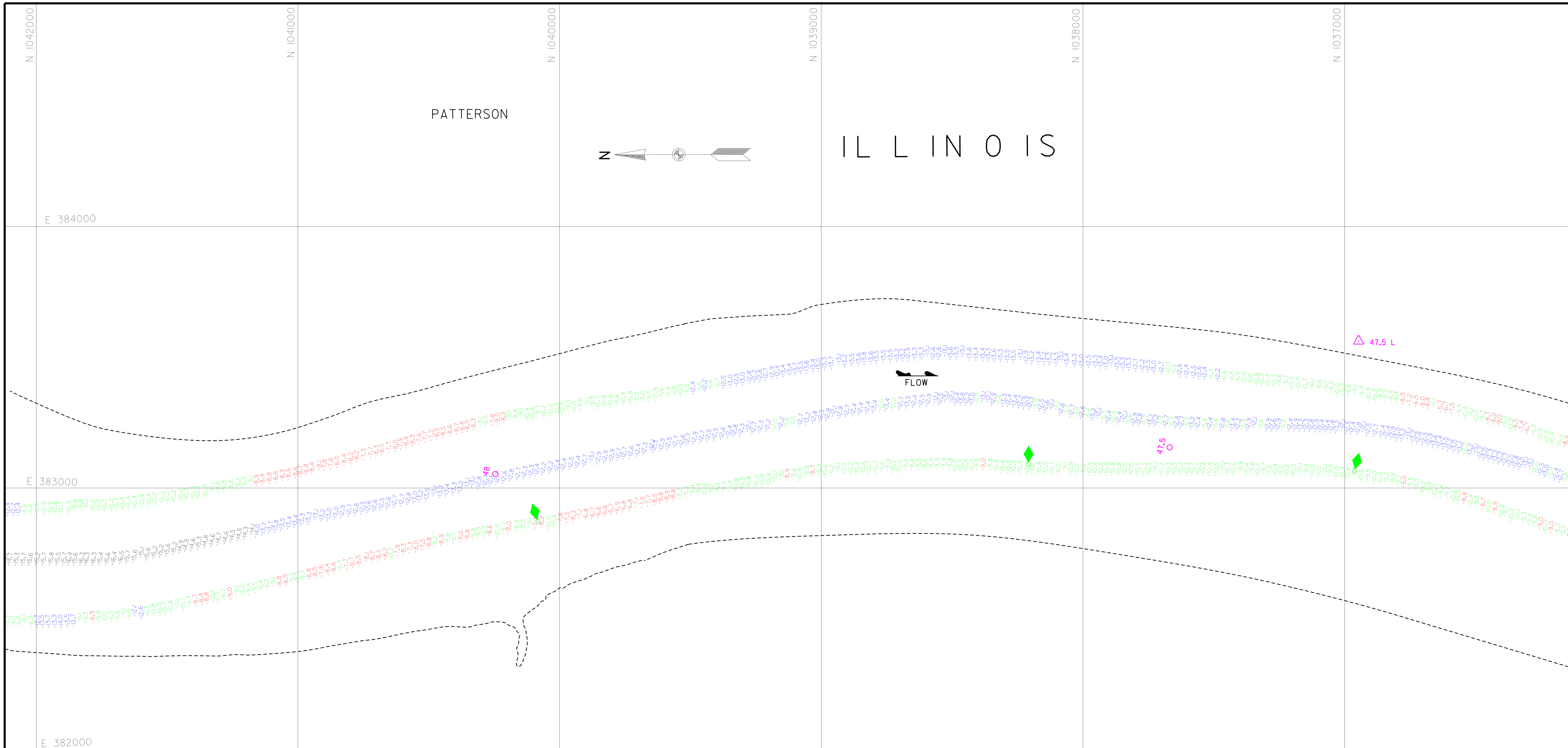
U.S. ARMY ENGINEER DIVISION CORPS OF ENGINEERS ST. LOUIS, MISSOURI
ILLINOIS RIVER BASIN
ILLINOIS RIVER

120 METERS 400 FEET
60 200
0 0
60 200

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.

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
30



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
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60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
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57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

E 381000

MONTEZUMA

Channel Survey

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MIN POOL DEPTHS

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US Army Corps of Engineers St. Louis District

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

ILLINOIS RIVER BASIN

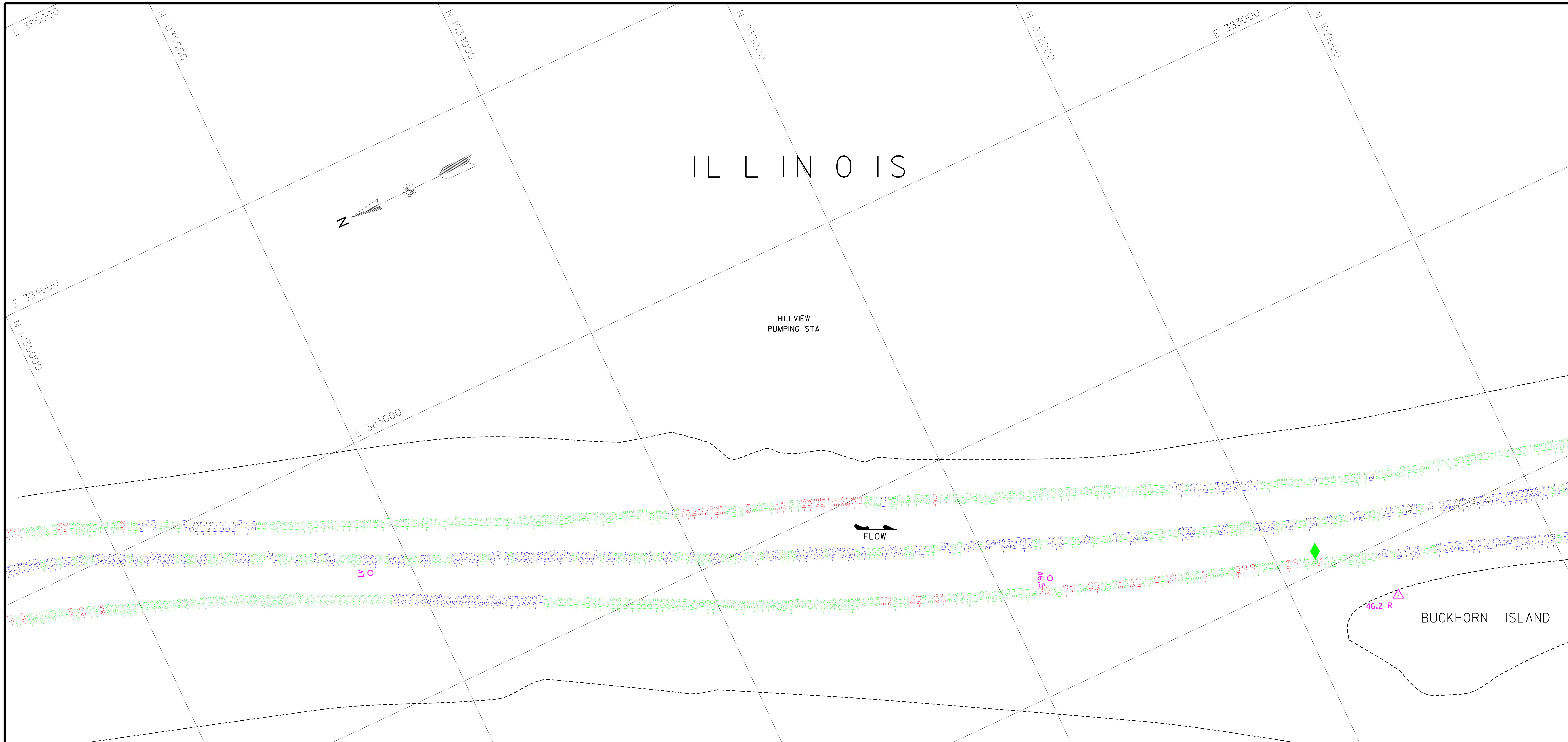
ILLINOIS RIVER

CHANNEL SURVEY

RIVER MILES 80.0 - 00.0

PLATE NUMBER

31



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
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3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

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Red solid contours are 9' below MIN POOL SURFACE
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Blue dashed contours are 14' below MIN POOL SURFACE

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

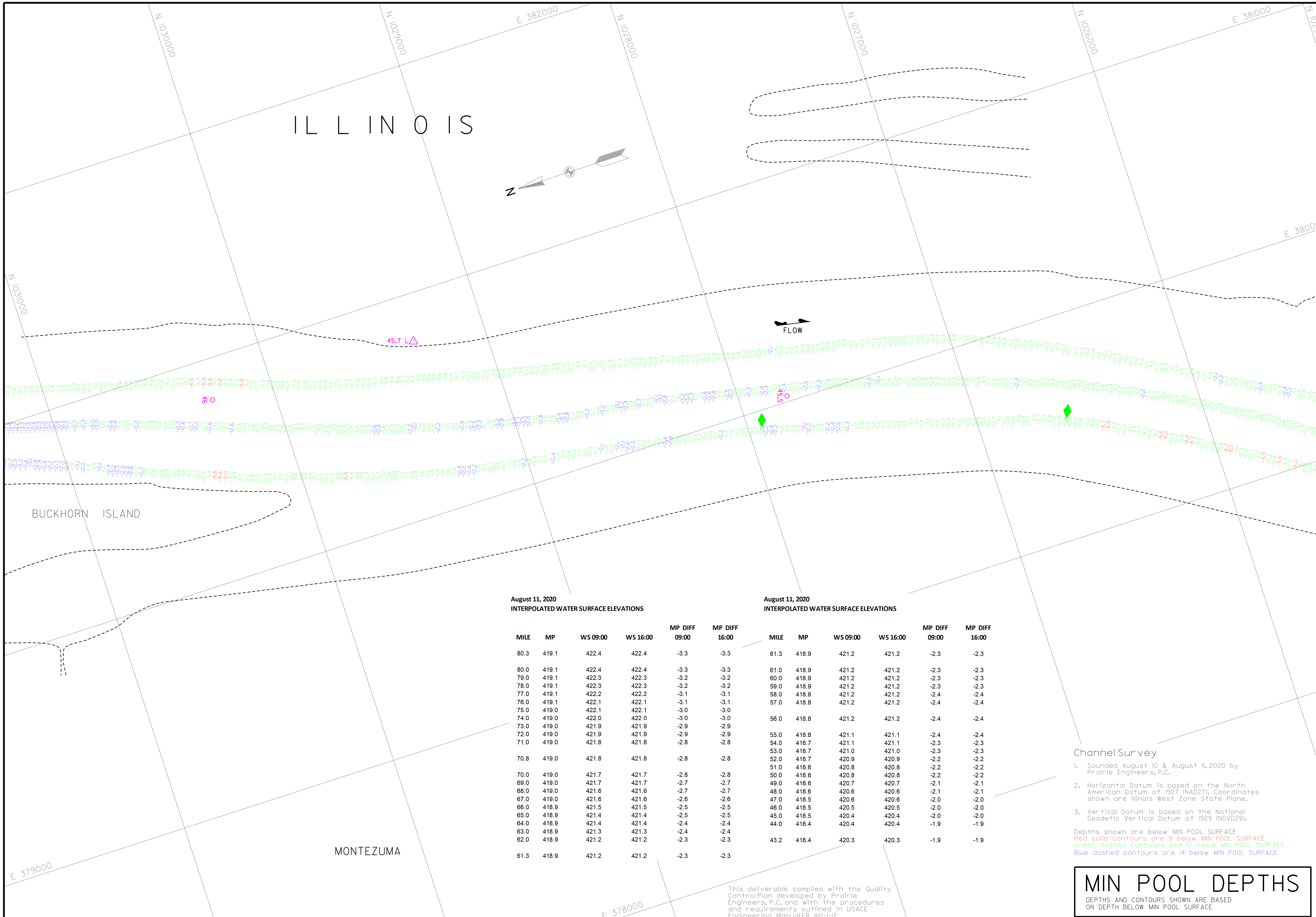
US Army Corps of Engineers
St. Louis District

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
32



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

This deliverable complies with the Quality ControlPlan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering ManualER 1110-1-12.

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
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Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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	11 AUG 2020	421.2 (09:00) 421.2 (16:00)	420.3 (09:00) 420.3 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080.000H020_mp_sht33.dgn

Plot date: $DATE$$

Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS

Drawn by: BJB

Ckd by: JBF

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

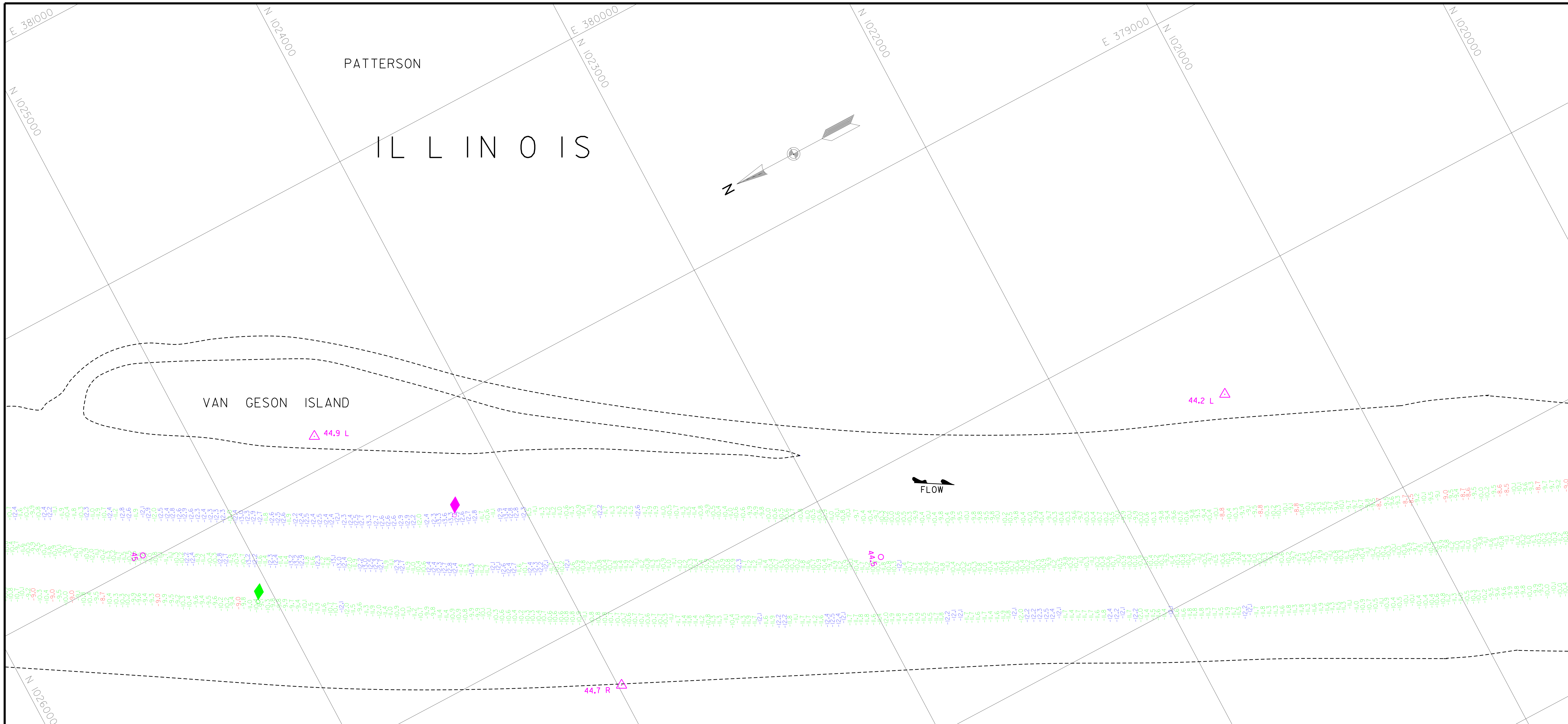
ILLINOIS RIVER

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.

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
33



August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

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Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers
St. Louis District

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
34

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
80.3	419.1	422.4	422.4	-3.3	-3.3
80.0	419.1	422.4	422.4	-3.3	-3.3
79.0	419.1	422.3	422.3	-3.2	-3.2
78.0	419.1	422.3	422.3	-3.2	-3.2
77.0	419.1	422.2	422.2	-3.1	-3.1
76.0	419.1	422.1	422.1	-3.1	-3.1
75.0	419.0	422.1	422.1	-3.0	-3.0
74.0	419.0	422.0	422.0	-3.0	-3.0
73.0	419.0	421.9	421.9	-2.9	-2.9
72.0	419.0	421.9	421.9	-2.9	-2.9
71.0	419.0	421.8	421.8	-2.8	-2.8
70.8	419.0	421.8	421.8	-2.8	-2.8
70.0	419.0	421.7	421.7	-2.8	-2.8
69.0	419.0	421.7	421.7	-2.7	-2.7
68.0	419.0	421.6	421.6	-2.7	-2.7
67.0	419.0	421.6	421.6	-2.6	-2.6
66.0	418.9	421.5	421.5	-2.5	-2.5
65.0	418.9	421.4	421.4	-2.5	-2.5
64.0	418.9	421.4	421.4	-2.4	-2.4
63.0	418.9	421.3	421.3	-2.4	-2.4
62.0	418.9	421.2	421.2	-2.3	-2.3
61.3	418.9	421.2	421.2	-2.3	-2.3

August 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
61.3	418.9	421.2	421.2	-2.3	-2.3
61.0	418.9	421.2	421.2	-2.3	-2.3
60.0	418.9	421.2	421.2	-2.3	-2.3
59.0	418.9	421.2	421.2	-2.3	-2.3
58.0	418.8	421.2	421.2	-2.4	-2.4
57.0	418.8	421.2	421.2	-2.4	-2.4
56.0	418.8	421.2	421.2	-2.4	-2.4
55.0	418.8	421.1	421.1	-2.4	-2.4
54.0	418.7	421.1	421.1	-2.3	-2.3
53.0	418.7	421.0	421.0	-2.3	-2.3
52.0	418.7	420.9	420.9	-2.2	-2.2
51.0	418.6	420.8	420.8	-2.2	-2.2
50.0	418.6	420.8	420.8	-2.2	-2.2
49.0	418.6	420.7	420.7	-2.1	-2.1
48.0	418.6	420.6	420.6	-2.1	-2.1
47.0	418.5	420.6	420.6	-2.0	-2.0
46.0	418.5	420.5	420.5	-2.0	-2.0
45.0	418.5	420.4	420.4	-2.0	-2.0
44.0	418.4	420.4	420.4	-1.9	-1.9
43.2	418.4	420.3	420.3	-1.9	-1.9

Channel Survey

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MIN POOL DEPTHS

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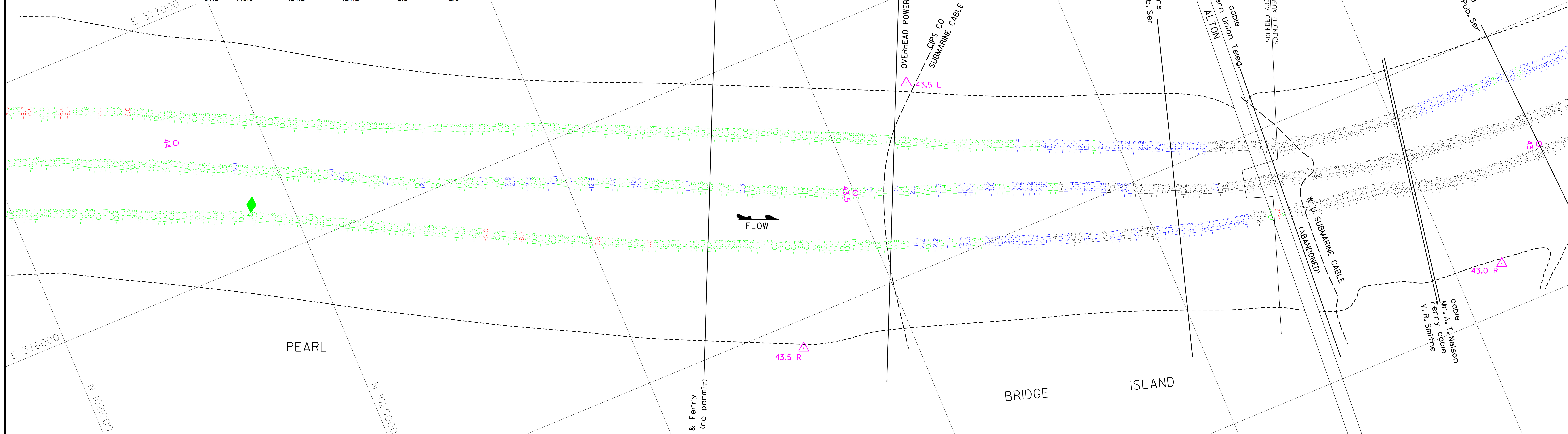

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

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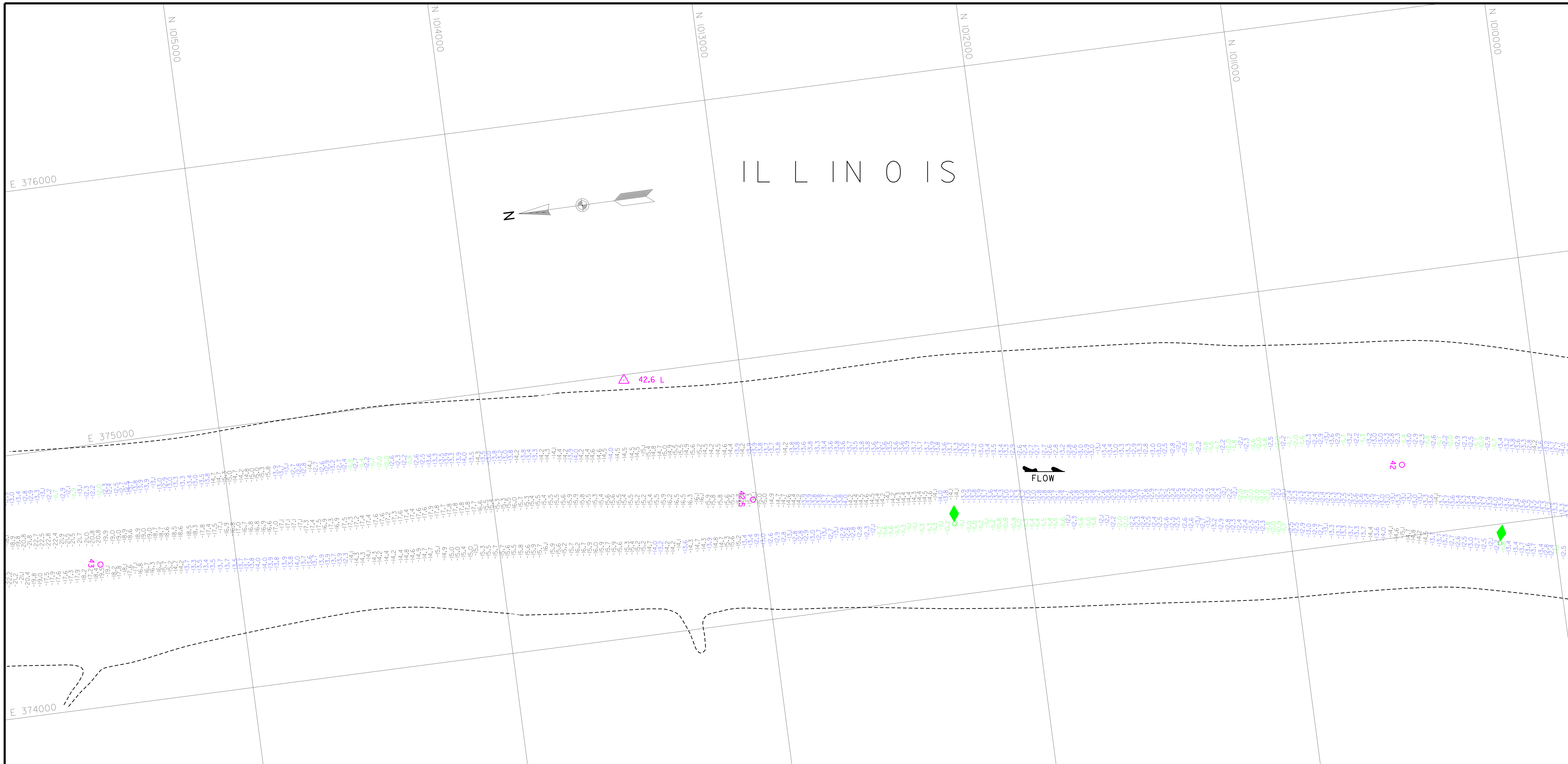
US Army Corps of Engineers
St. Louis District

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
35



US Army Corps of Engineers
St. Louis District

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Channel Survey

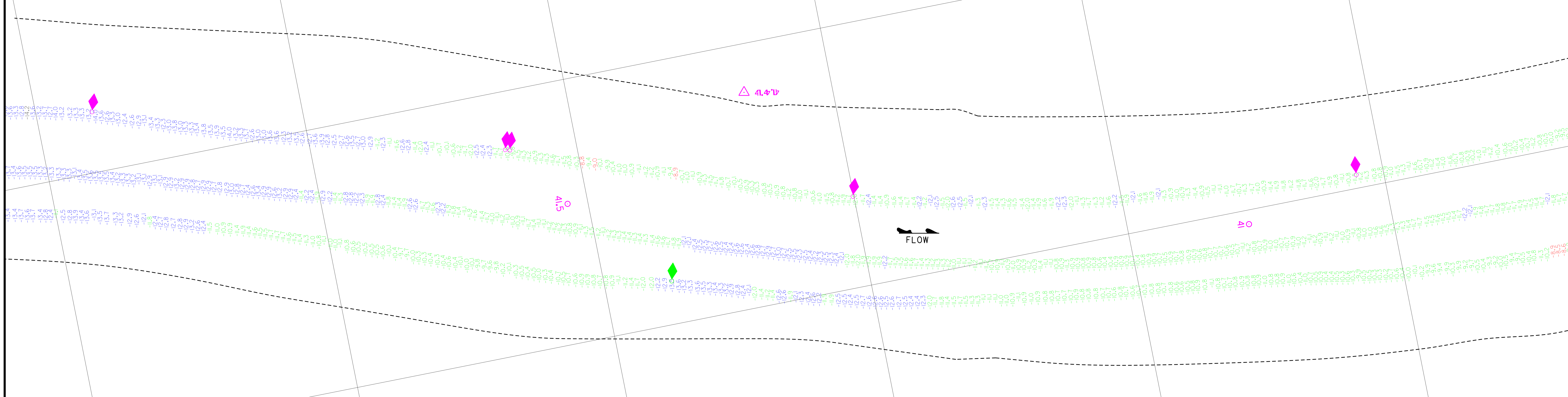
1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

PLATE NUMBER
36



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
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3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

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	10 AUG 2020	420.4 (09:00) 420.5 (16:00)	419.8 (09:00) 419.5 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080.000HI020_mp_sht37.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

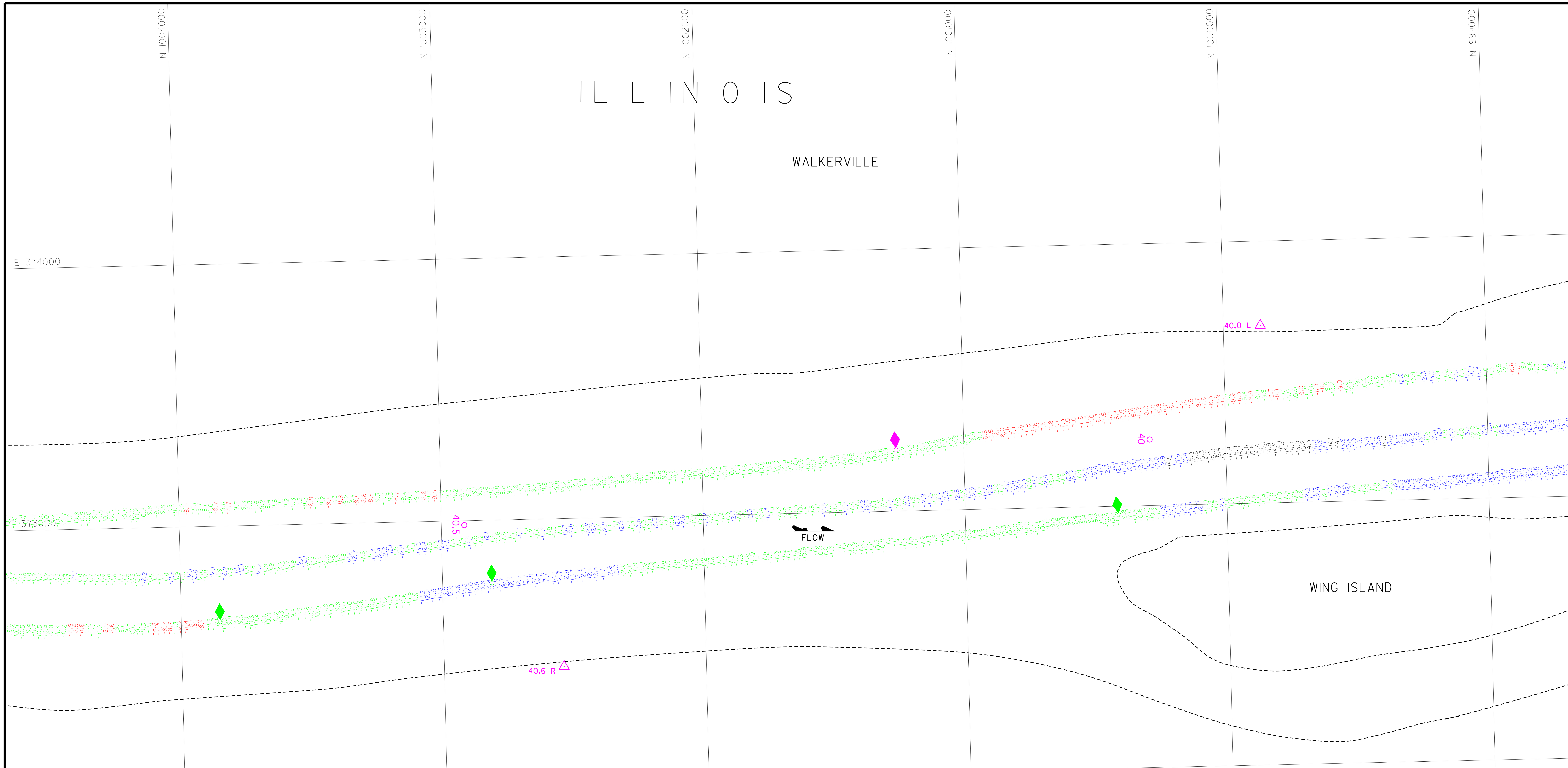
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
37



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Channel Survey

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3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

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Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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	10 AUG 2020	420.4 (09:00)	419.8 (09:00)
		420.5 (16:00)	419.5 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_000HI020_mp_sht38.dgn

Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS

Drawn by: BJB

Ckd by: JBF

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

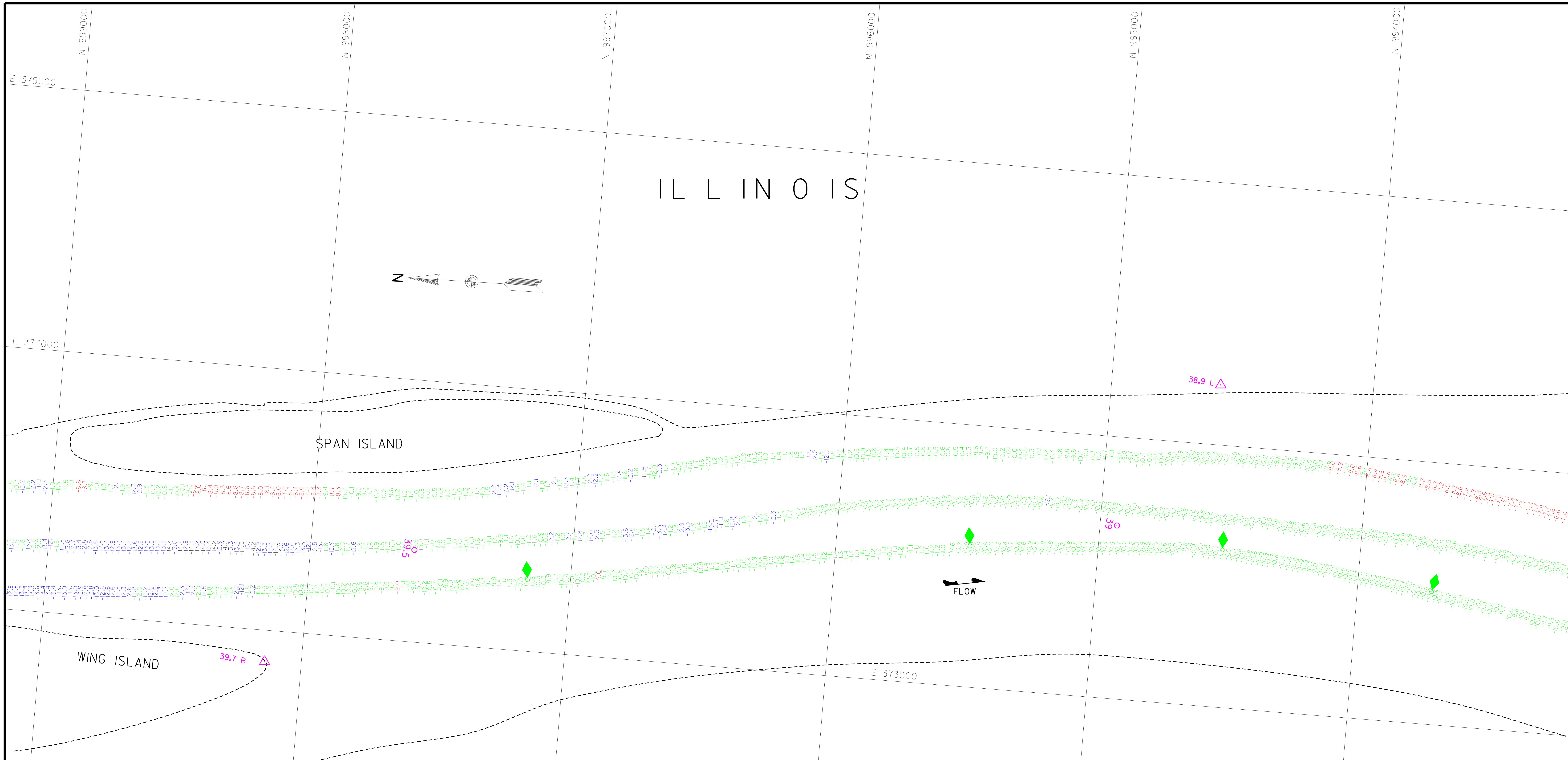
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
38



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

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Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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	10 AUG 2020	420.4 (09:00) 420.5 (16:00)	419.8 (09:00) 419.5 (16:00)

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: August 10, 2020 August 11, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_000HI020_mp_sht39.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

60 0 60 120 METERS
200 0 200 400 FEET

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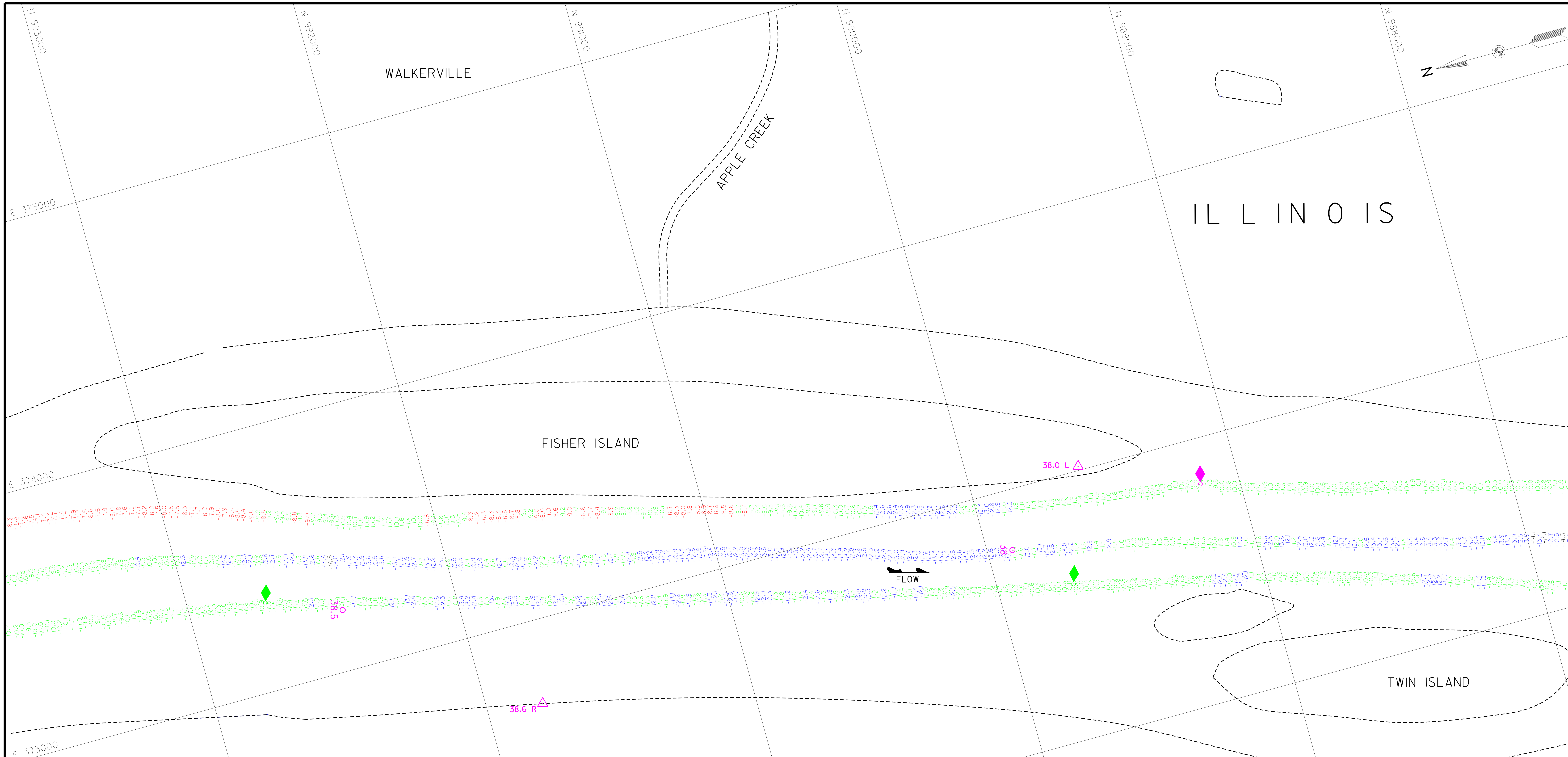
CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
39



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers
St. Louis District

	WATER SURFACE	PEARL	HARDIN
		GAGE RECORD	
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN POOL		418.4	418.2
DATE	10 AUG 2020	420.4 (09:00)	419.8 (09:00)
		420.5 (16:00)	419.5 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080_000HI020_mp_sht40.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

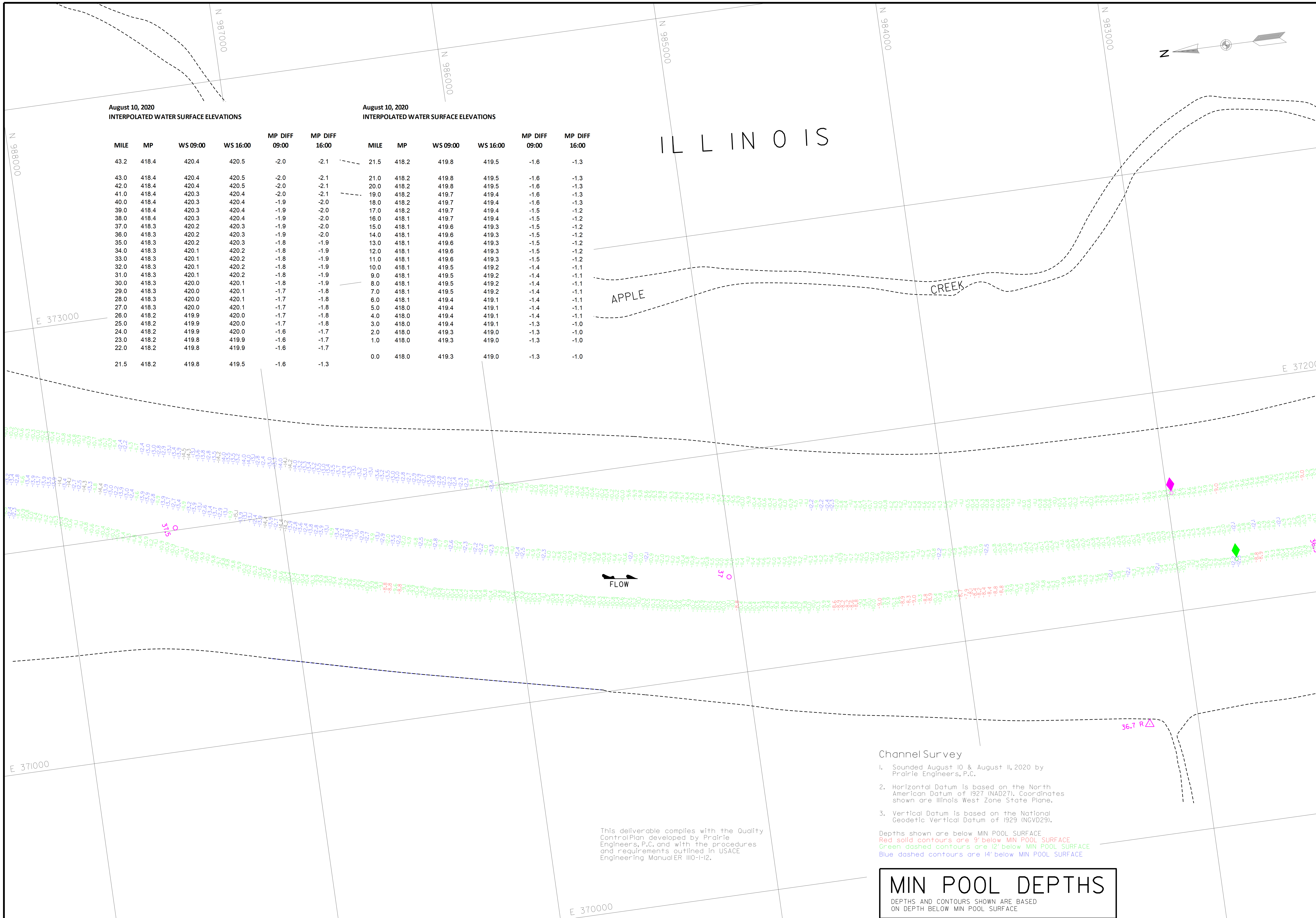
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
40



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

This deliverable complies with the Quality ControlPlan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering ManualER 1110-1-12.

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers
St. Louis District

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
41

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

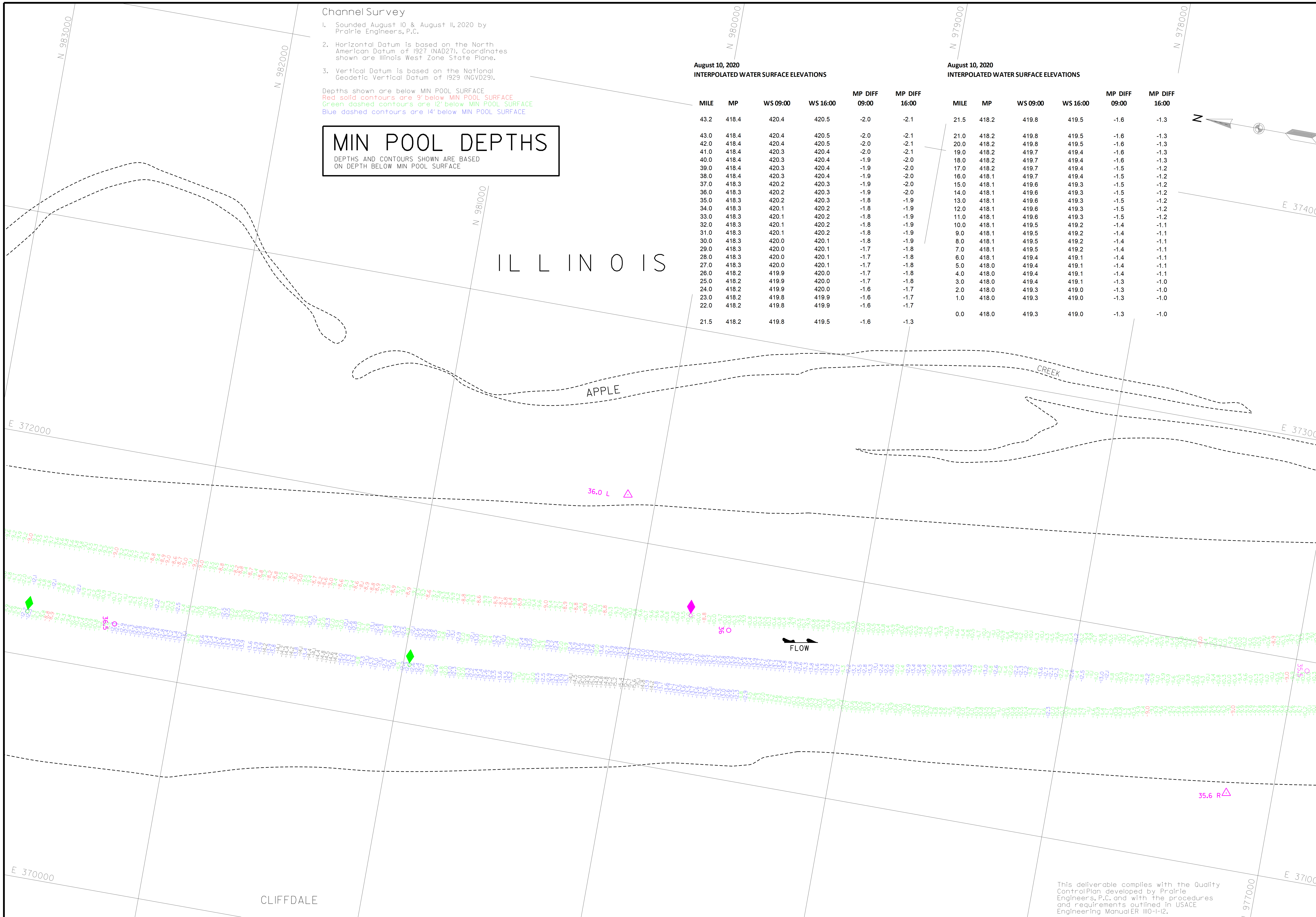
DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0



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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	10 AUG 2020	420.4 (09:00)	419.8 (09:00)
		420.5 (16:00)	419.5 (16:00)

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: August 10, 2020
August 11, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.000H1020_mp_sht42.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

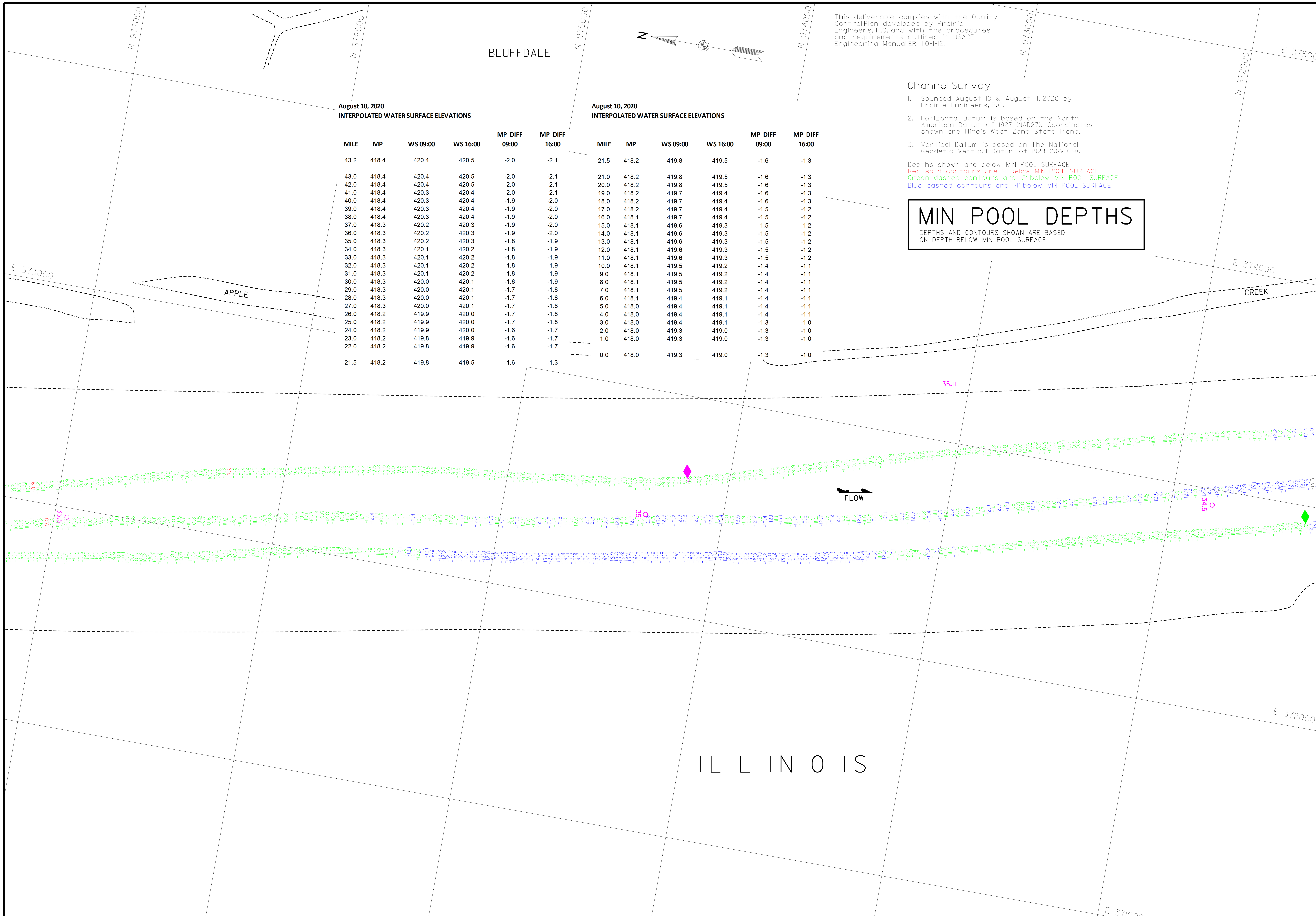
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
42



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Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

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				
	10 AUG 2020	420.4 (09:00)	419.8 (09:00)	
		420.5 (16:00)	419.5 (16:00)	

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: August 10, 2020
August 11, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_000HI020_mp_sht43.dgn

Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS

Drawn by: BJB | Ckd by: JBF

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

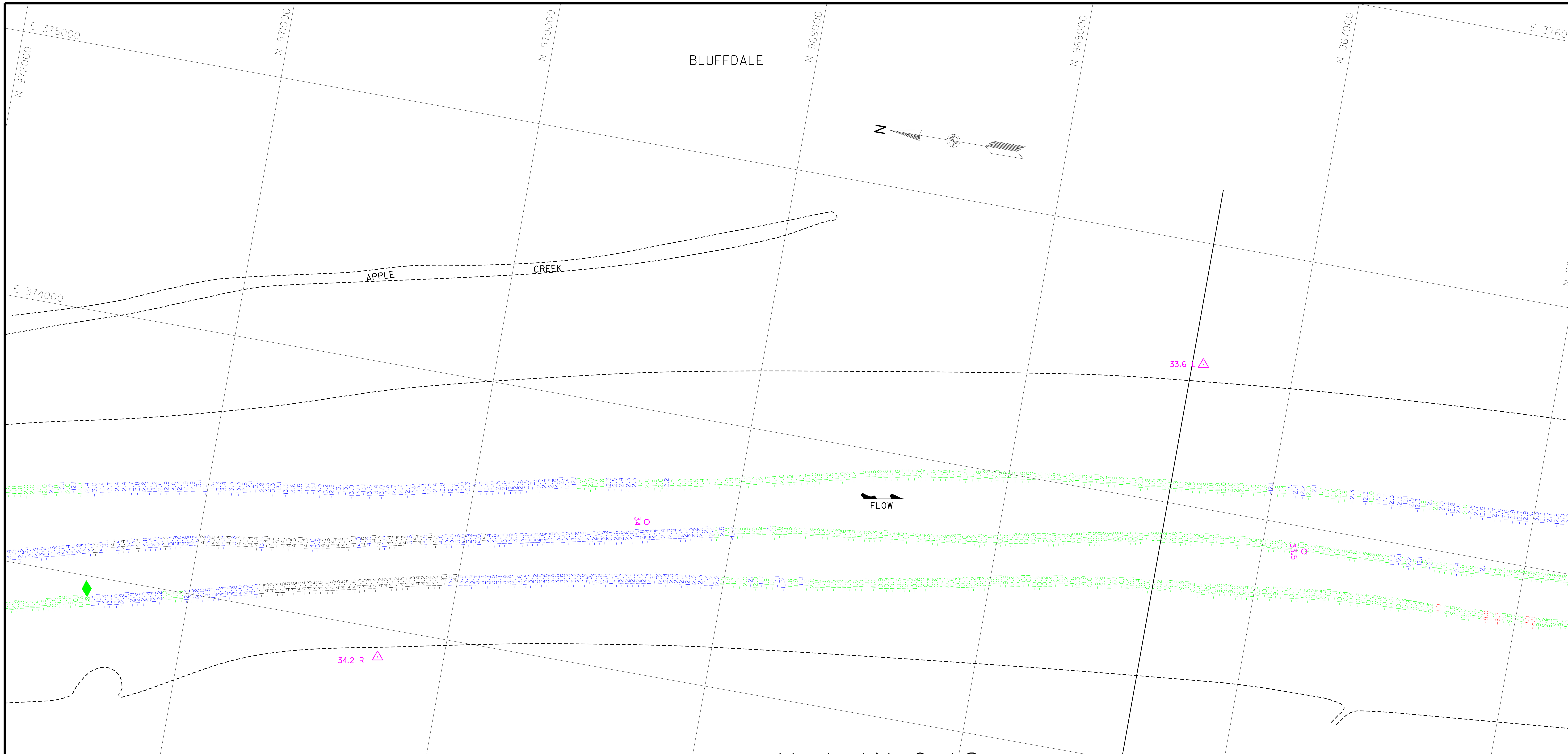
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
43



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.

2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.

3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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				
	10 AUG 2020	420.4 (09:00)	419.8 (09:00)	
		420.5 (16:00)	419.5 (16:00)	

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: August 10, 2020
August 11, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_000HI020_mp_sht44.dgn

Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS

Drawn by: BJB | Ckd by: JBF

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
44

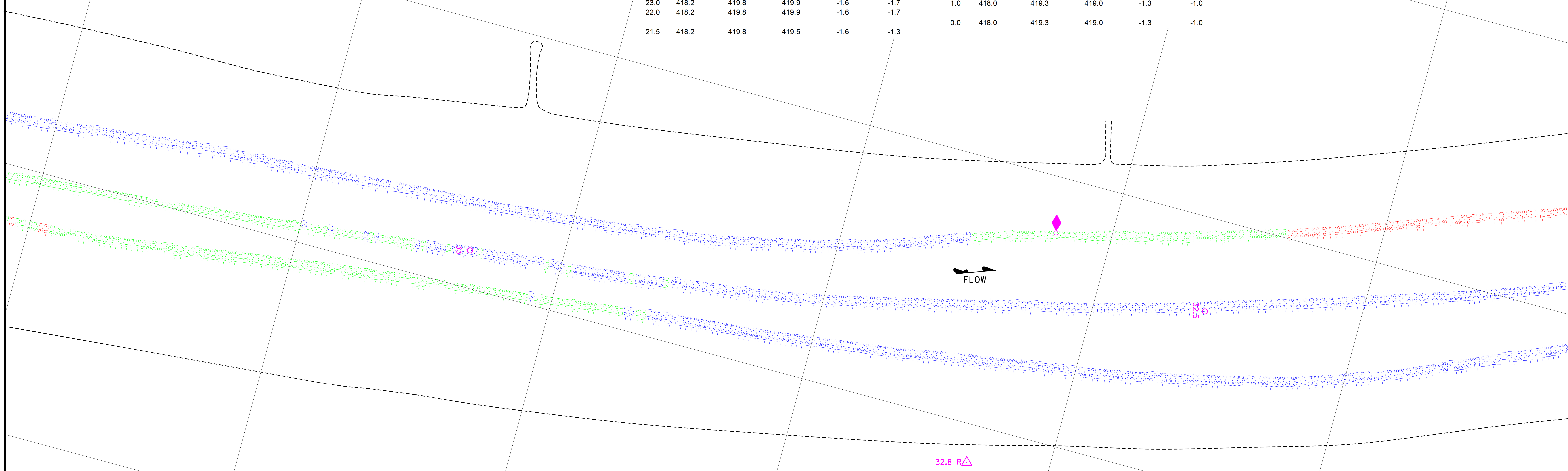
BLUFFDALE

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0



N

ILLINOIS

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

E 374000
E 373000
E 372000
N 960000

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
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3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

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Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers
St. Louis District

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

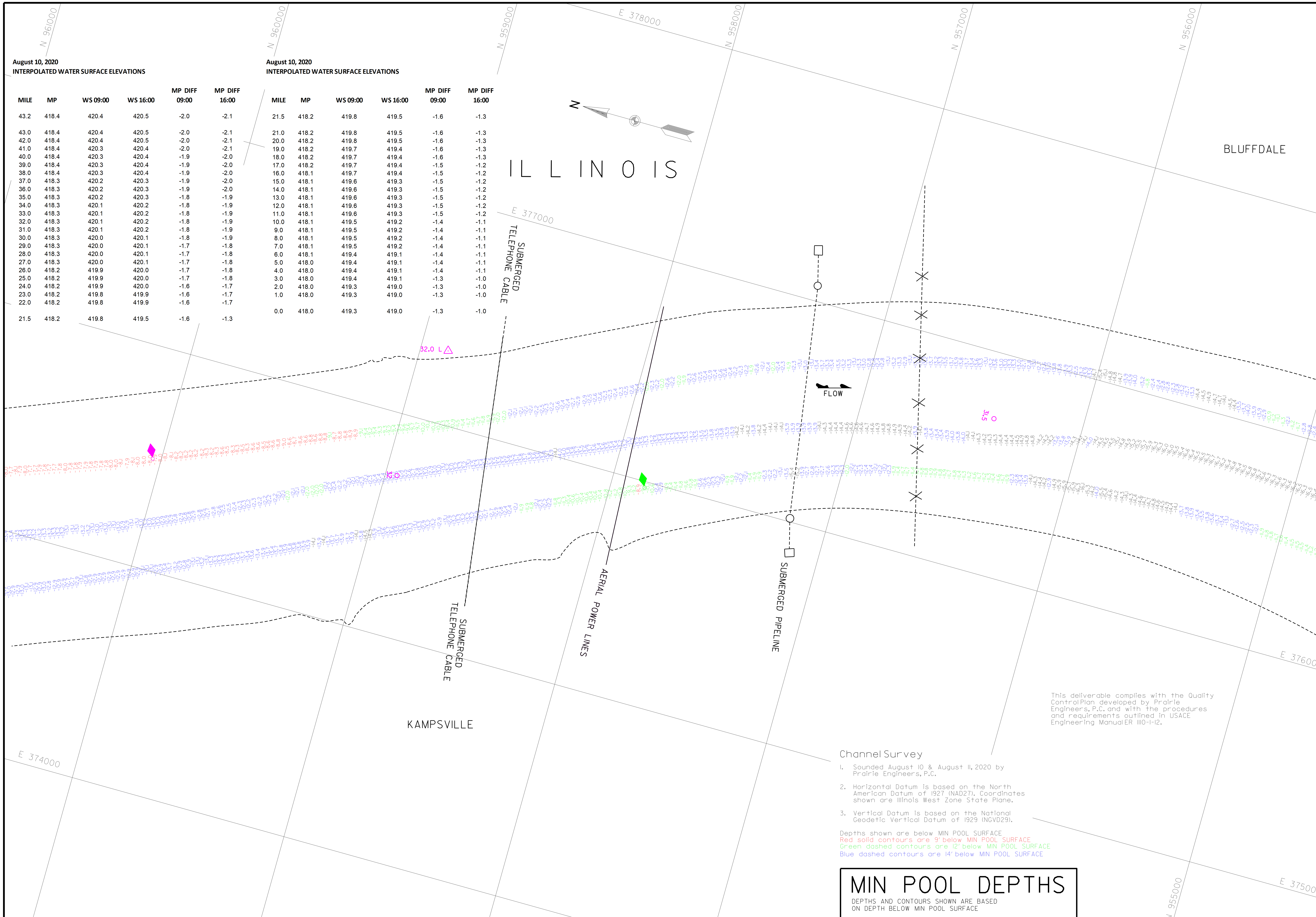
PLATE NUMBER
45

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0



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Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

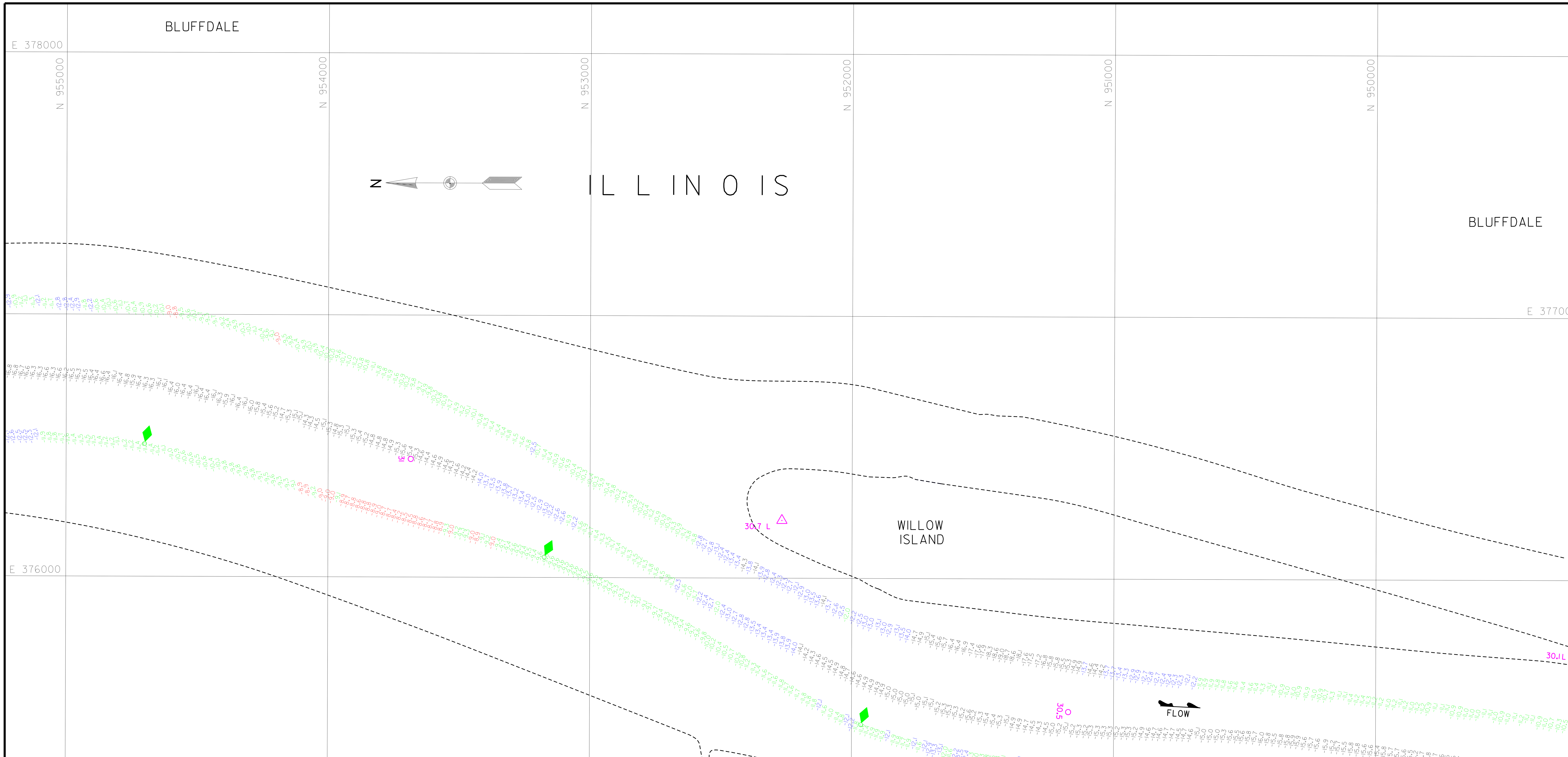
US Army Corps of Engineers
St. Louis District

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
46



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.1	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

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Channel Survey

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Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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				
	10 AUG 2020	420.4 (09:00)	419.8 (09:00)	
		420.5 (16:00)	419.5 (16:00)	

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: August 10, 2020
August 11, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080_000HI020_mp_sht47.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

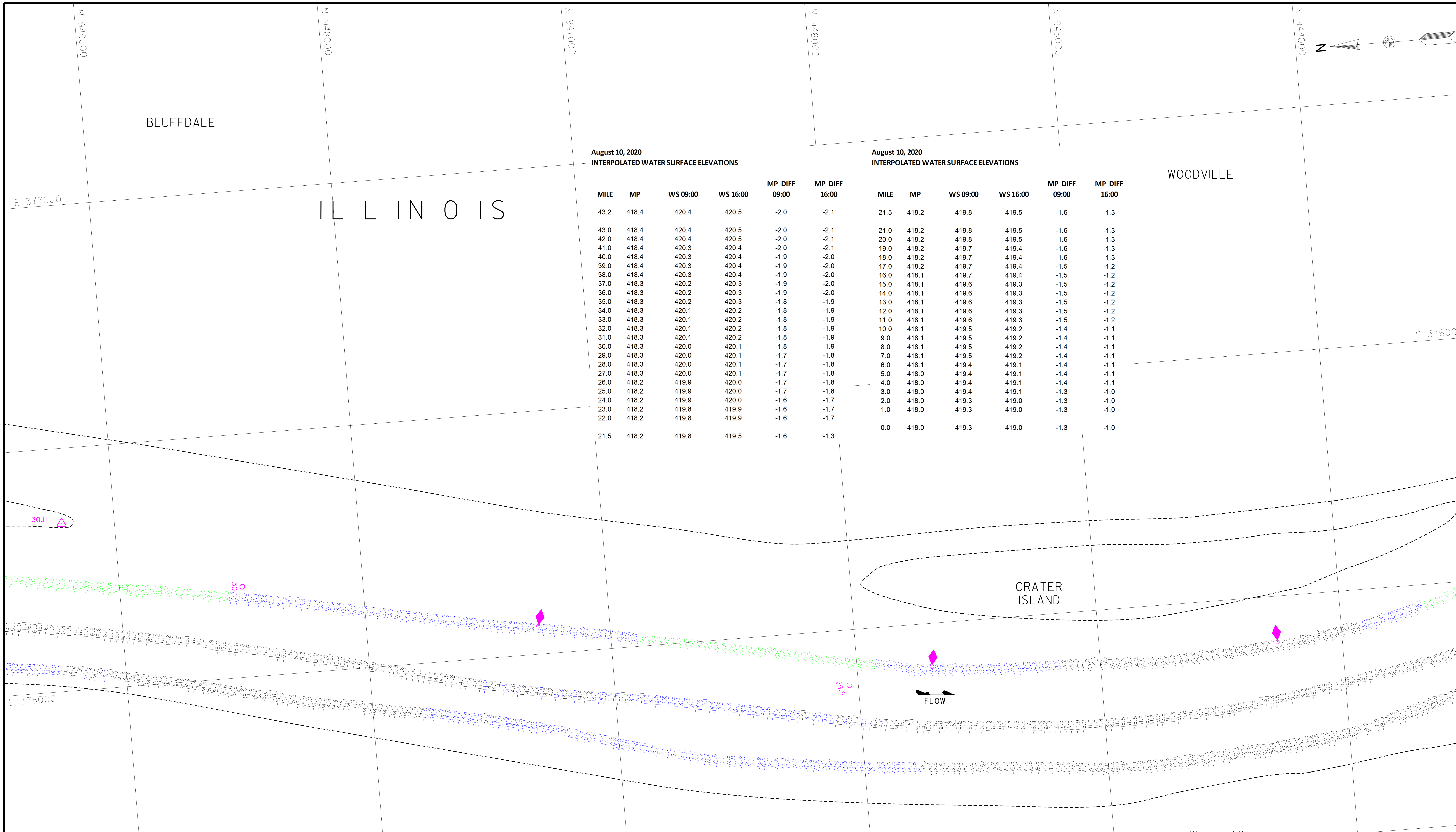
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
47



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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	10 AUG 2020	420.4 (09:00) 420.5 (16:00)	419.8 (09:00) 419.5 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080.000HI020_mp_sht48.dgn

Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS

Drawn by: BJB

Ckd by: JBF

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

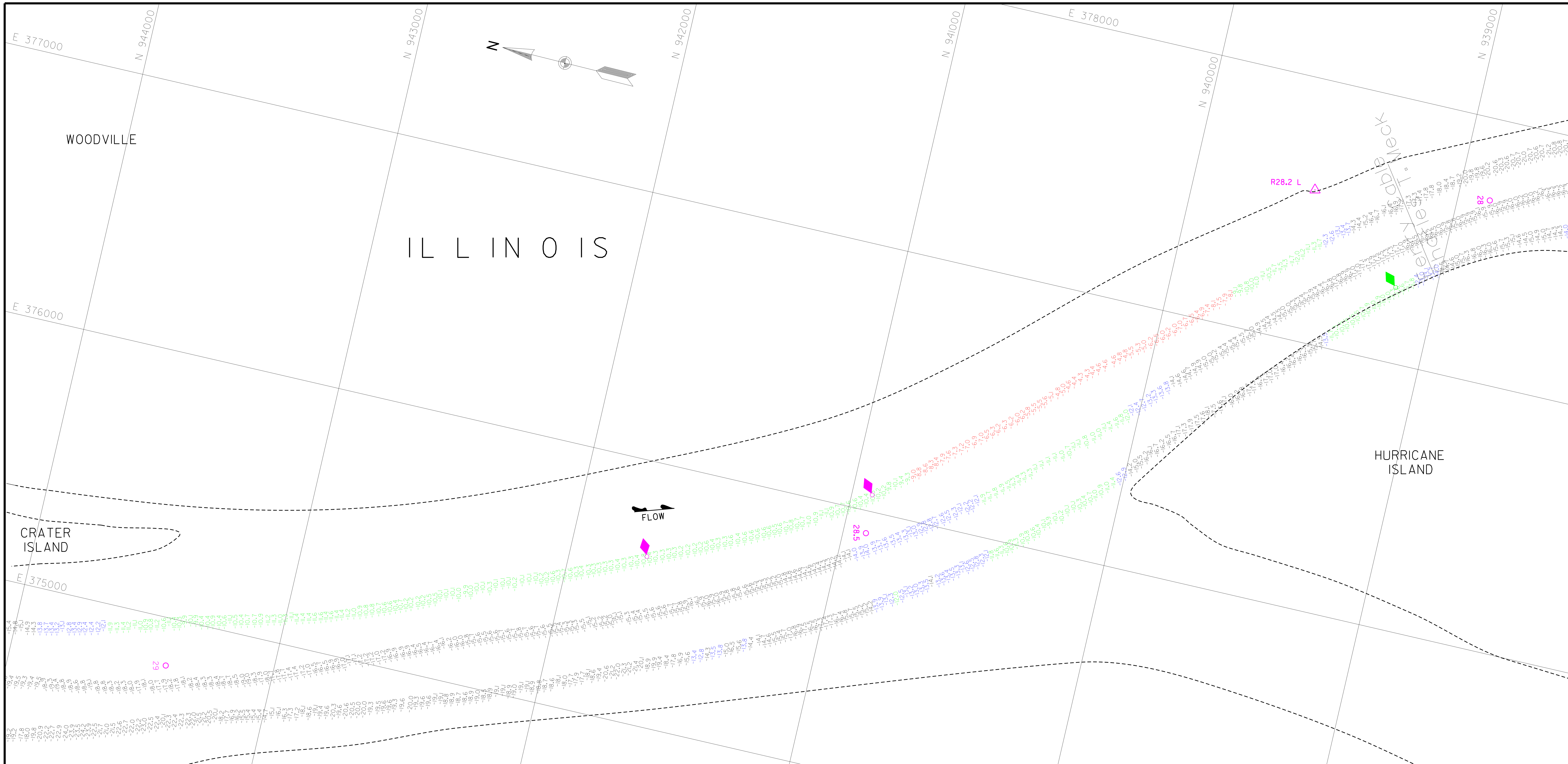
60 0 60 120 METERS
200 0 200 400 FEET

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER

48



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

This deliverable complies with the Quality ControlPlan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers
St. Louis District

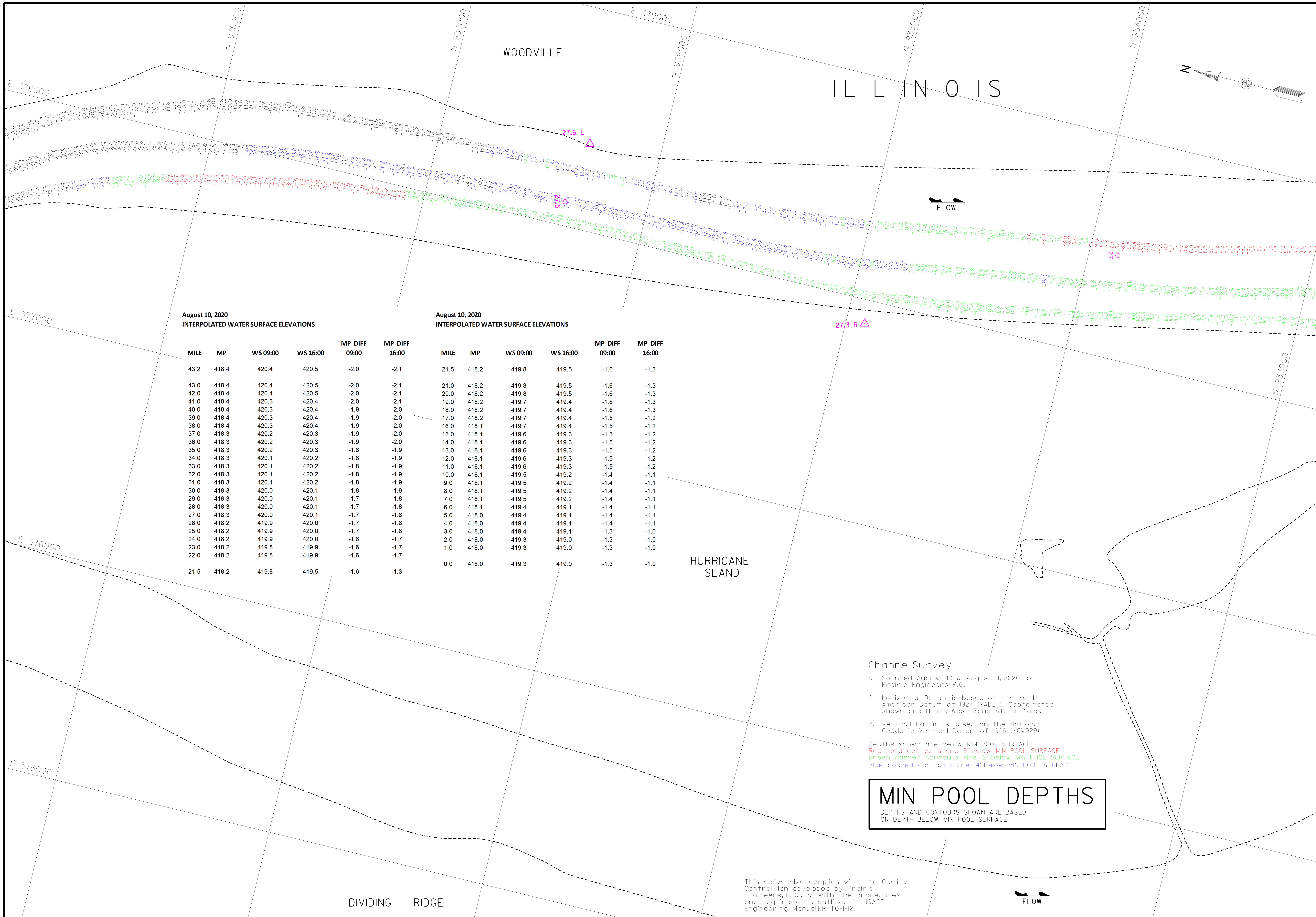
Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
Survey Date: August 10, 2020 August 11, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
49



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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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		
10 AUG 2020	420.4 (09:00)	419.8 (09:00)
	420.5 (16:00)	419.5 (16:00)

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: August 10, 2020
August 11, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_000HI020_mp_sht50.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

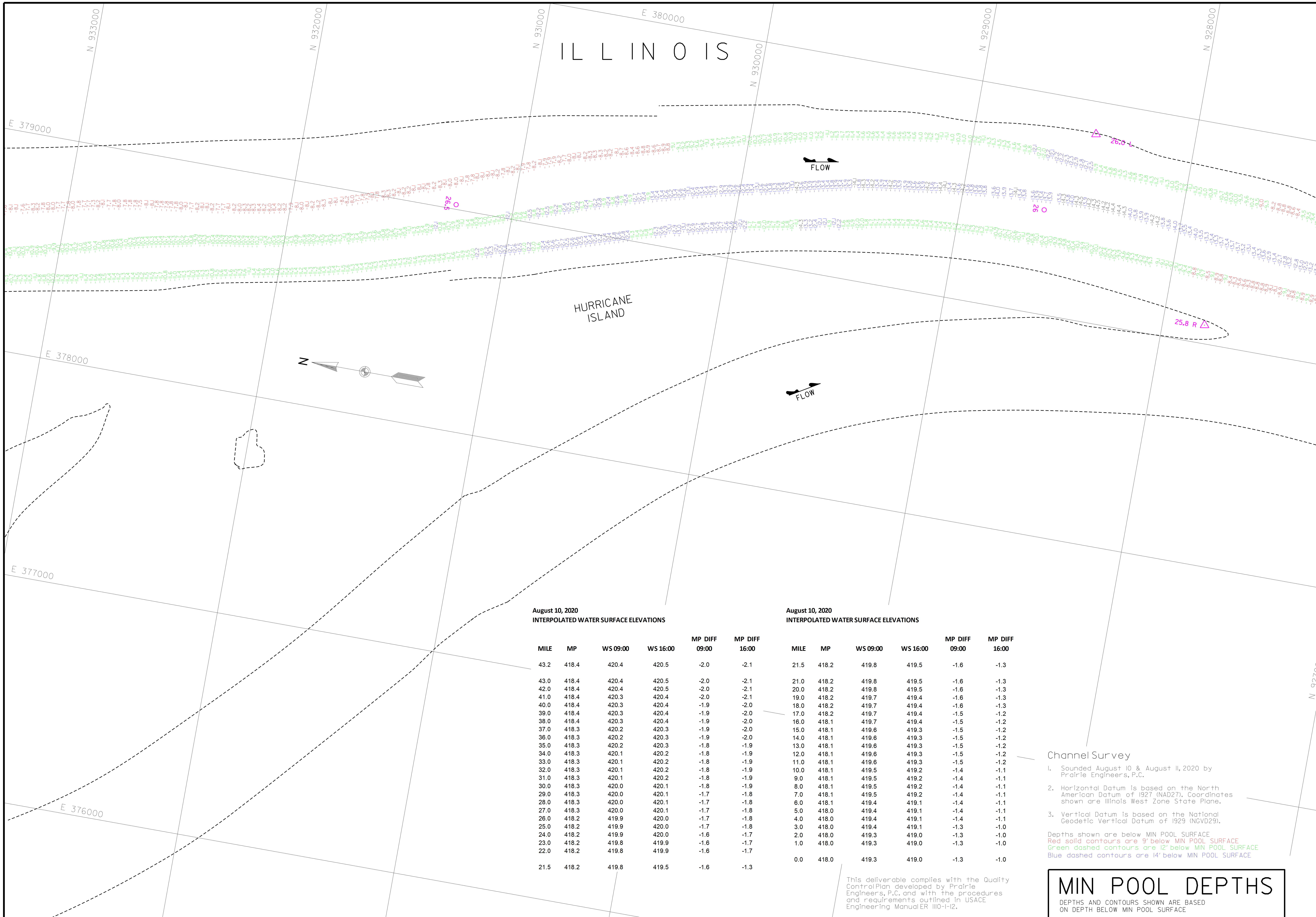
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
50



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

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Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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	10 AUG 2020	420.4 (09:00) 420.5 (16:00)	419.8 (09:00) 419.5 (16:00)

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: August 10, 2020
August 11, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_000H020_mp_sht51.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

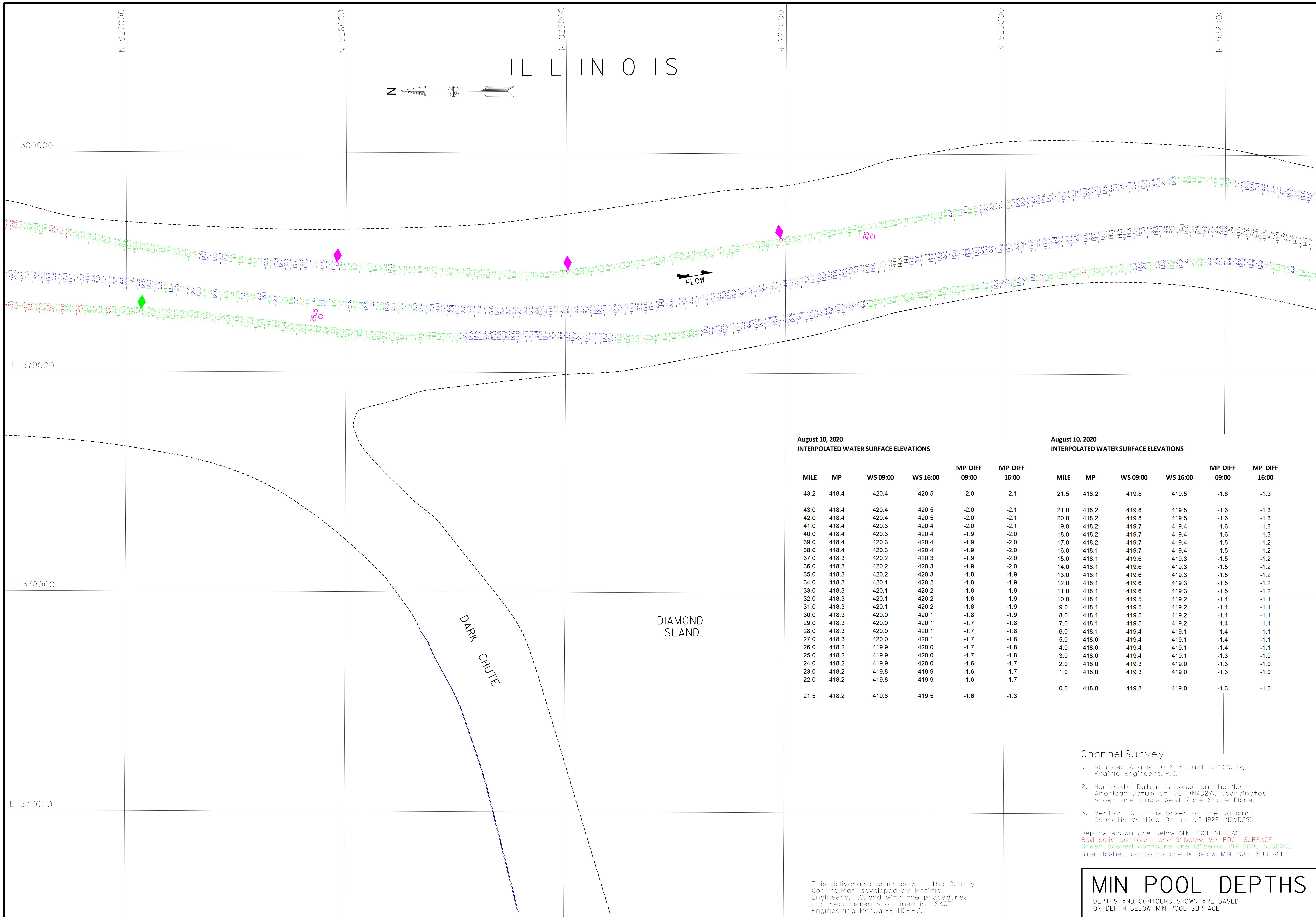
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
51



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers
St. Louis District

GAGE RECORD	PEARL	HARDIN
ZERO N.G.V.D.	400.0	400.0
MILE	43.2	21.5
MIN POOL	418.4	418.2
WATER SURFACE DATE: 10 AUG 2020	420.4 (09:00)	419.8 (09:00)
	420.5 (16:00)	419.5 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080_000HI020_mp_sht52.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

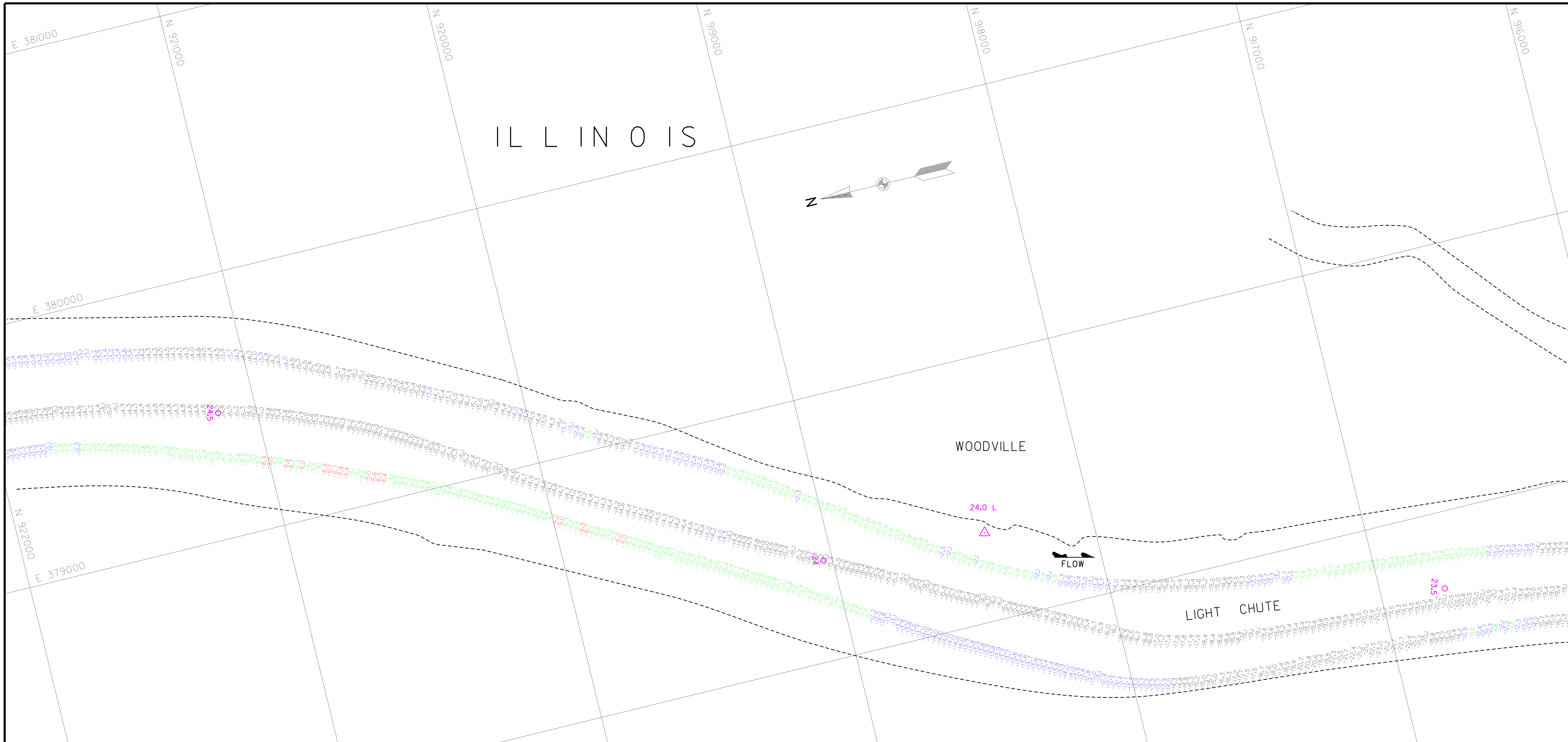
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
52



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

E 378000

E 377000

DIAMOND ISLAND

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers
St. Louis District

	WATER SURFACE	GAGE RECORD PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN POOL		418.4	418.2
DATE	10 AUG 2020	420.4 (09:00)	419.8 (09:00)
		420.5 (16:00)	419.5 (16:00)

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: August 10, 2020
August 11, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_000H1020_mp_sht53.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

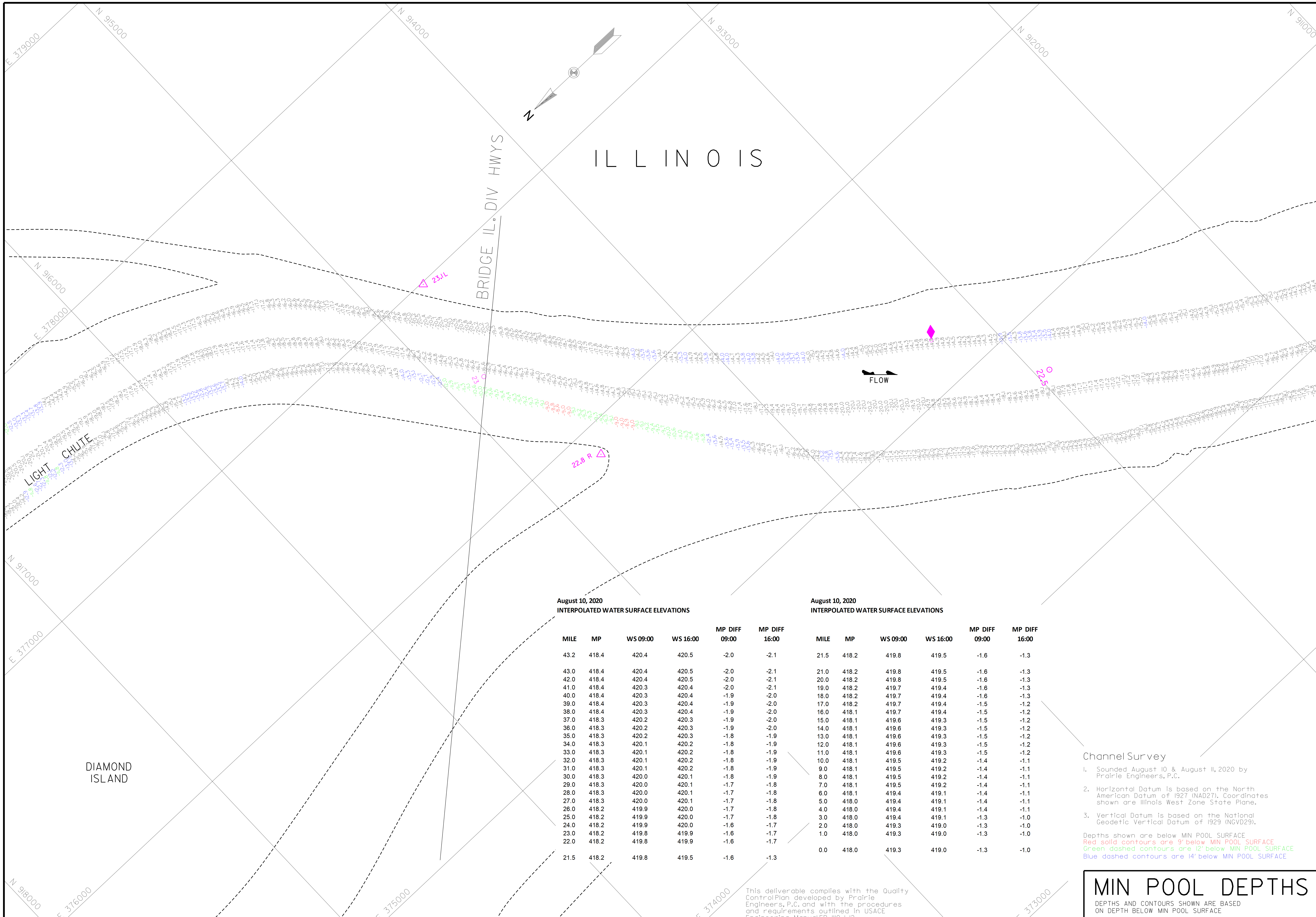
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
53



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

This deliverable complies with the Quality ControlPlan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering ManualER 1110-1-12.

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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	10 AUG 2020	420.4 (09:00)	419.8 (09:00)
		420.5 (16:00)	419.5 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_000HI020_mp_sht54.dgn

Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS

Drawn by: BJB

Ckd by: JBF

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

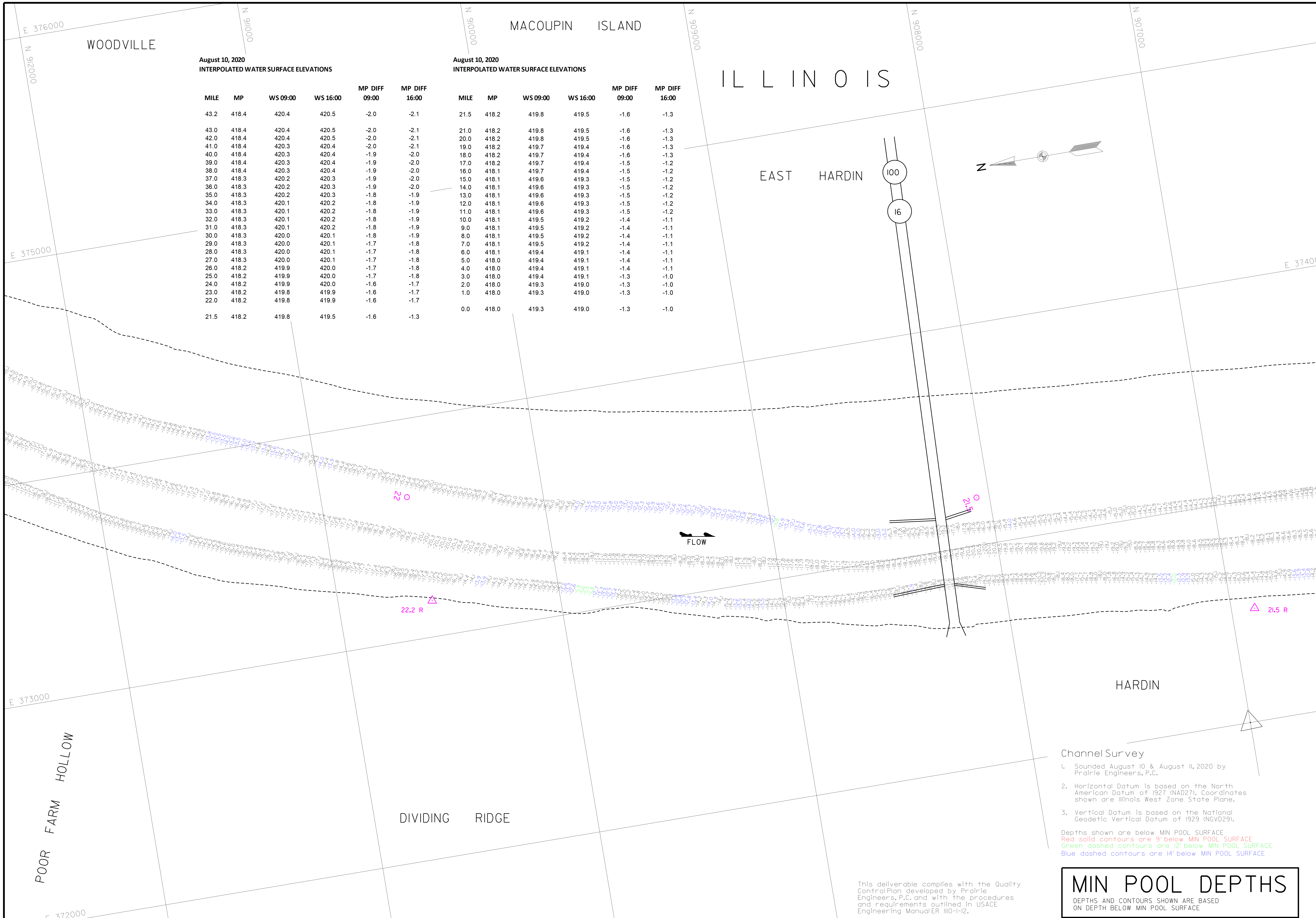
60 0 60 120 METERS
200 0 200 400 FEET

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER

54



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

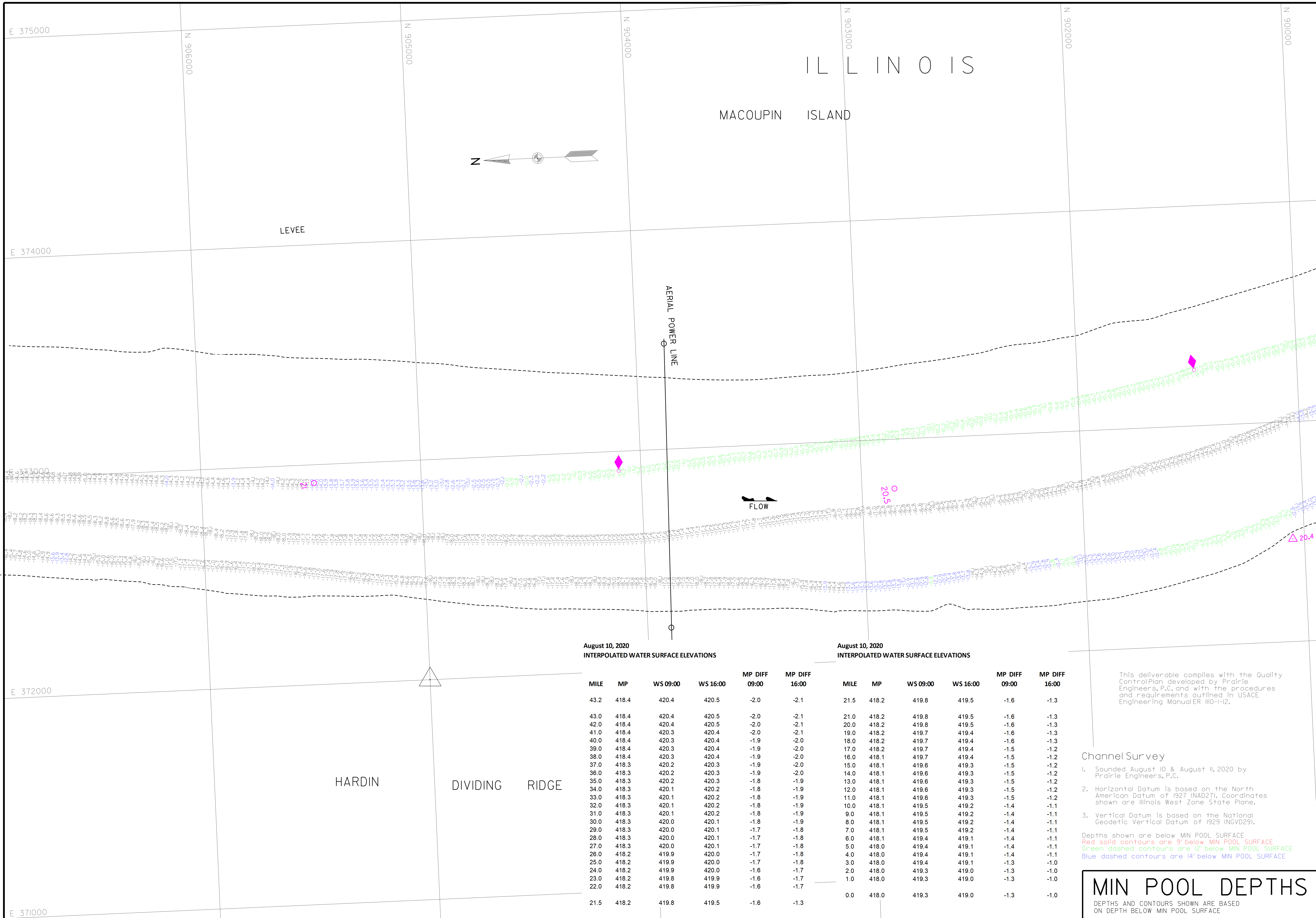
US Army Corps of Engineers
St. Louis District

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
55



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers
St. Louis District

WATER SURFACE	GAGE RECORD HARDIN	GRAFTON
ZERO N.G.V.D.	400.0	403.8
MILE	21.5	0.0
MIN POOL	418.2	418.0
DATE 10 AUG 2020	419.8 (0900)	419.3 (0900)
	419.5 (1600)	419.0 (1600)

ELEVATIONS ARE REFERRED TO N.G.V.D. CONTOURS ARE BELOW MIN POOL

Survey Date: August 10, 2020
August 11, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_000HI020_mp_sht56.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

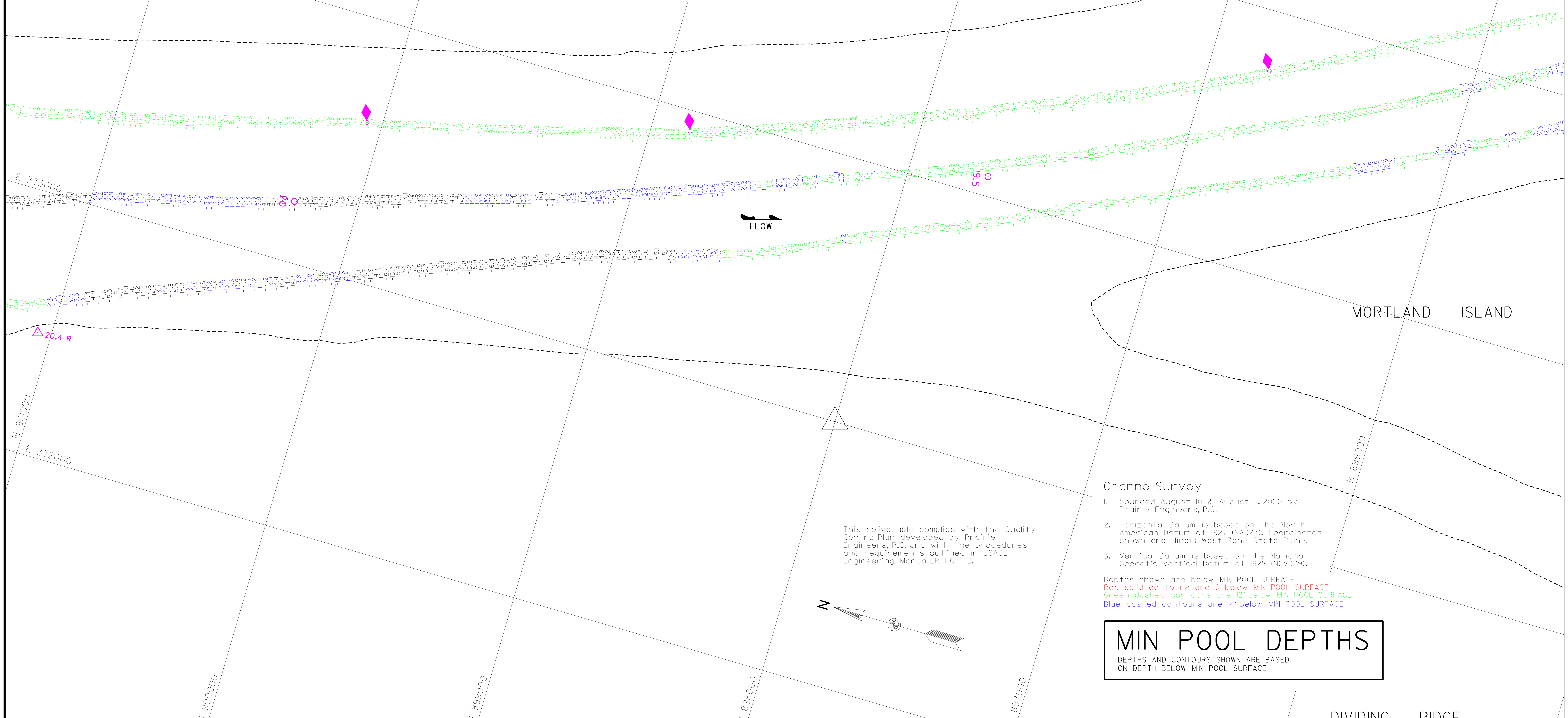
PLATE NUMBER
56

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0



This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

US Army Corps of Engineers
St. Louis District

Survey Date: August 10, 2020 August 11, 2020

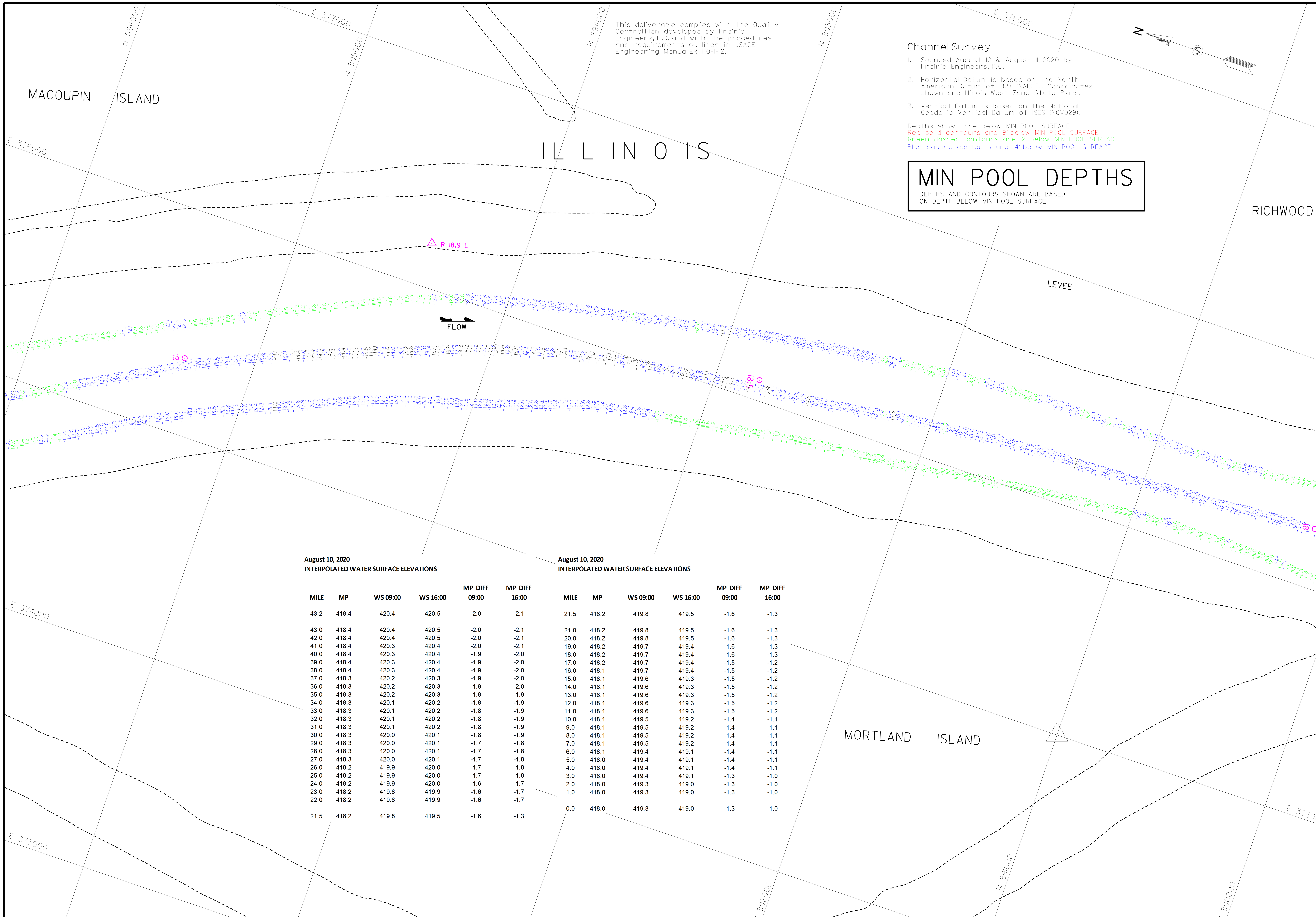
Surveyed by: PRAIRIE ENGINEERS

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
57



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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

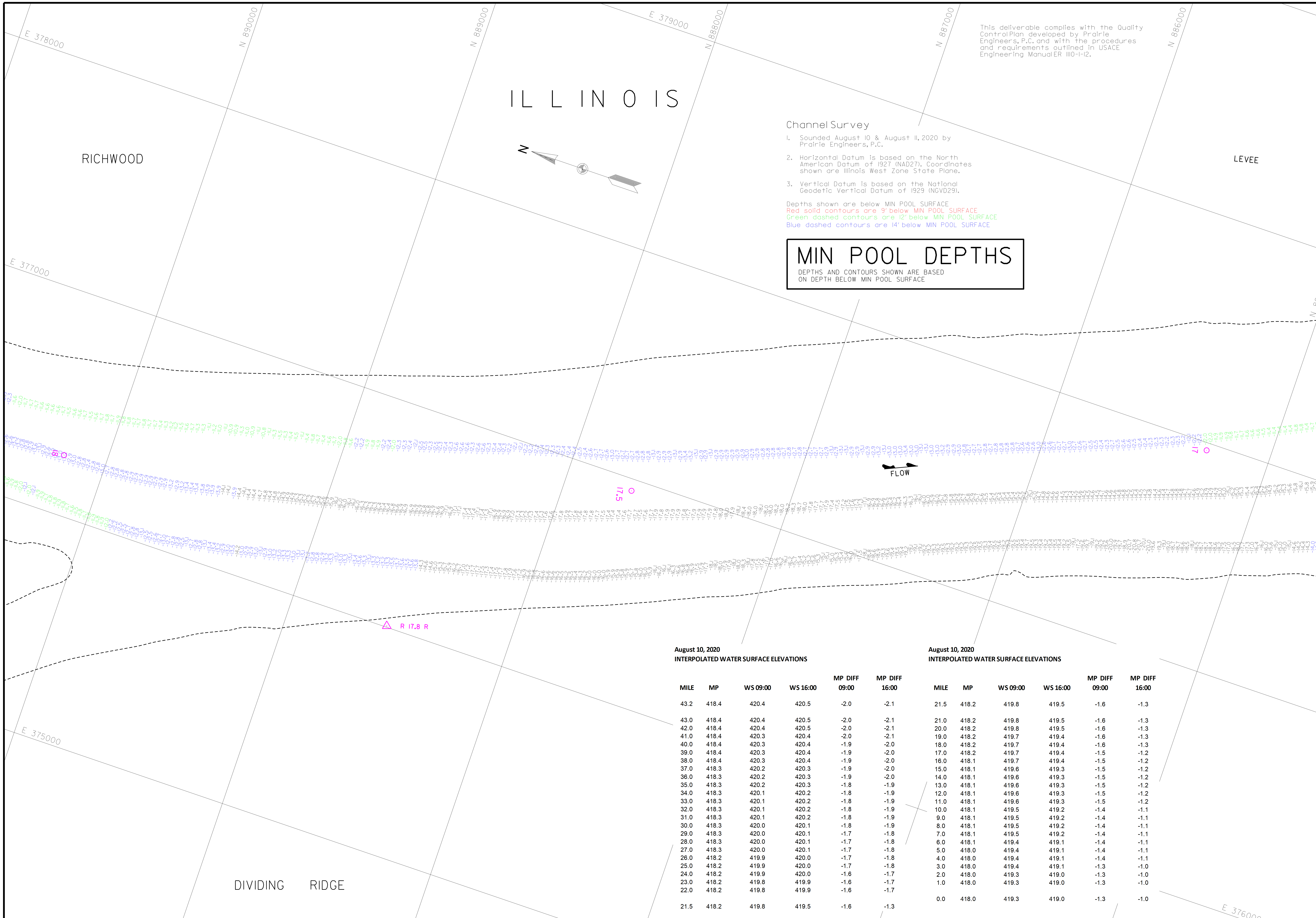
US Army Corps of Engineers
St. Louis District

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
58



This deliverable complies with the Quality ControlPlan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering ManualER 1110-1-12.

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
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3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

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	10 AUG 2020	419.8 (09:00)	419.3 (09:00)
		419.5 (16:00)	419.0 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080.000HI020_mp_sht59.dgn

Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS

Drawn by: BJB

Ckd by: JBF

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

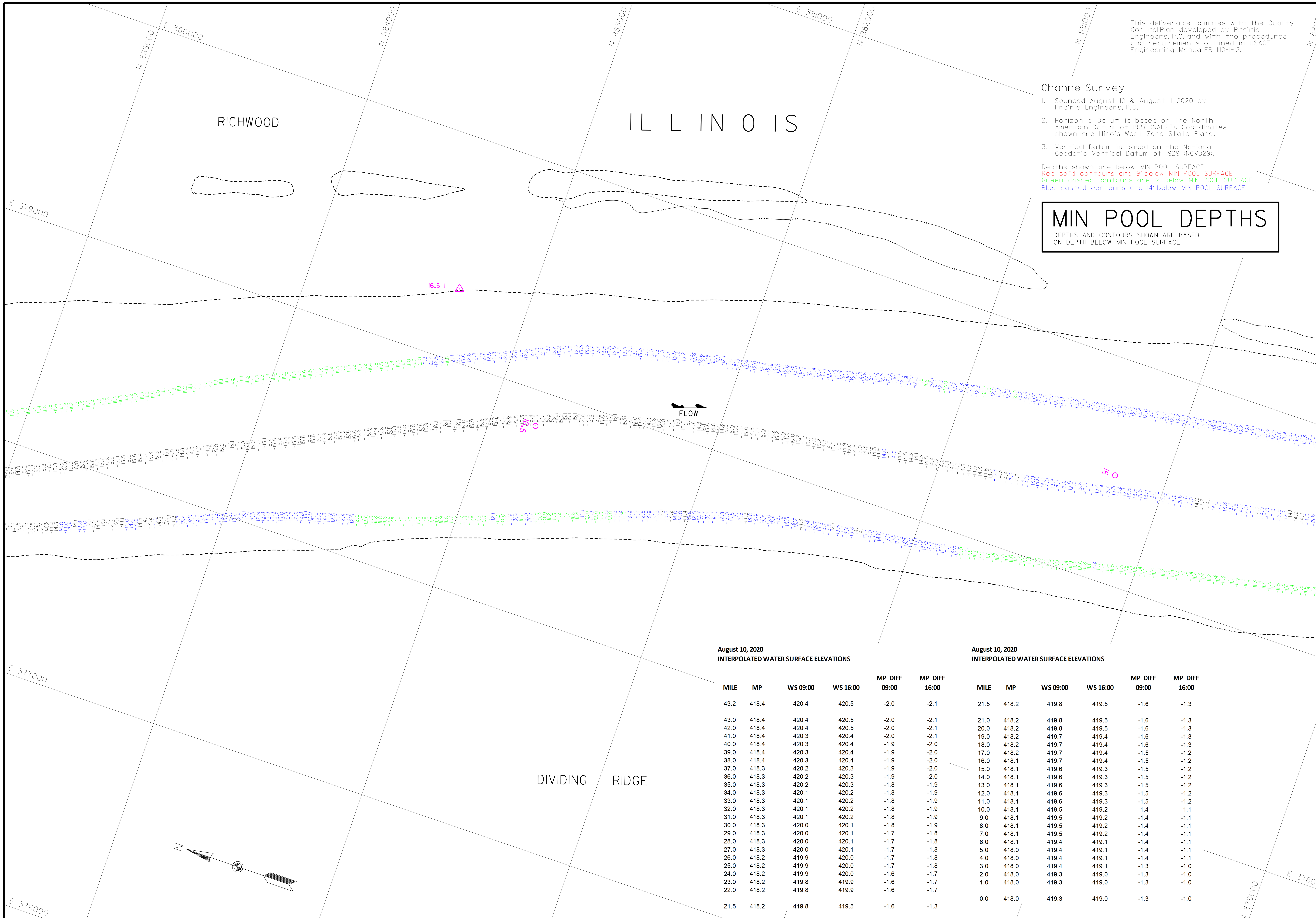
60 0 60 120 METERS
200 0 200 400 FEET

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER

59



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Channel Survey

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Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

US Army Corps of Engineers
St. Louis District

	WATER SURFACE	GAGE RECORD HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN POOL		418.2	418.0
DATE	10 AUG 2020	419.8 (09:00) 419.5 (16:00)	419.3 (09:00) 419.0 (16:00)

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: August 10, 2020 August 11, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.000HI020_mp_sht60.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

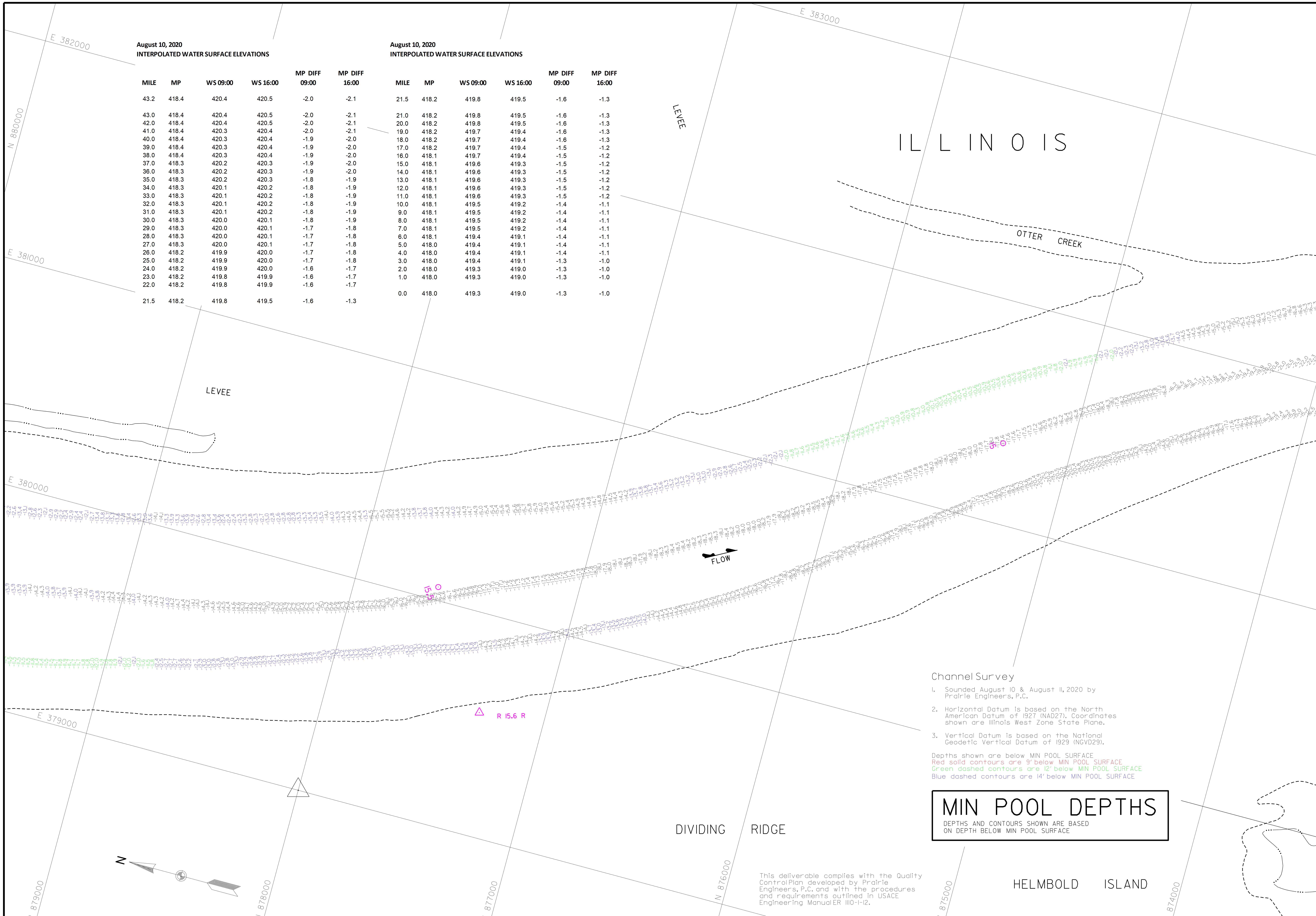
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
60



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

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 10 AUG 2020	419.8 (09:00) 419.5 (16:00)	419.3 (09:00) 419.0 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_000HI020_mp_sht61.dgn

Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS

Drawn by: BJB

Ckd by: JBF

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

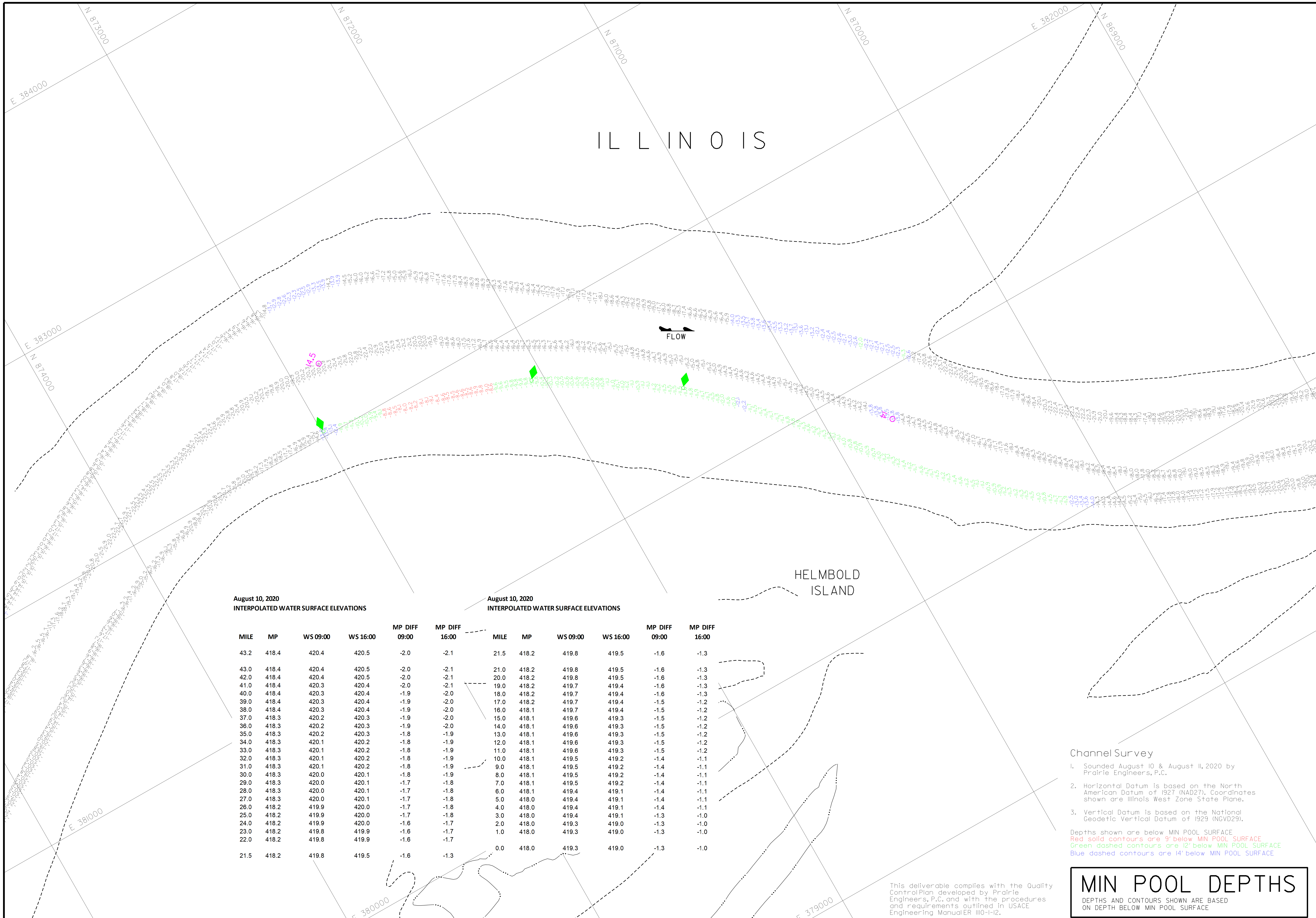
60 0 60 120 METERS
200 0 200 400 FEET

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER

61



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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 10 AUG 2020	419.8 (09:00)	419.3 (09:00)
	419.5 (16:00)	419.0 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_000HI020_mp_sht62.dgn

Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS

Drawn by: BJB

Ckd by: JBF

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

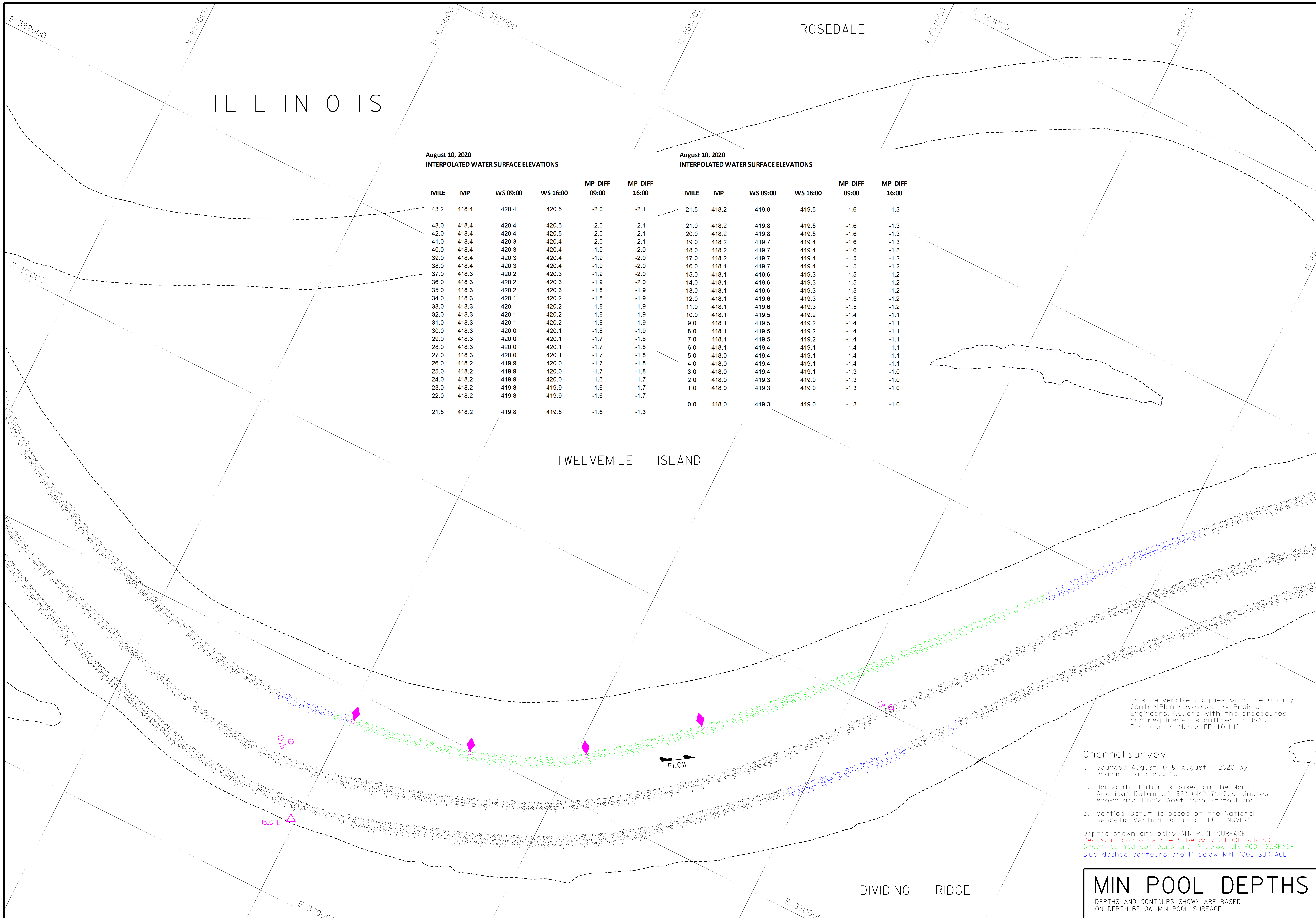
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
62



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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		
10 AUG 2020	419.8 (09:00)	419.3 (09:00)
	419.5 (16:00)	419.0 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080_000HI020_mp_sht63.dgn

Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

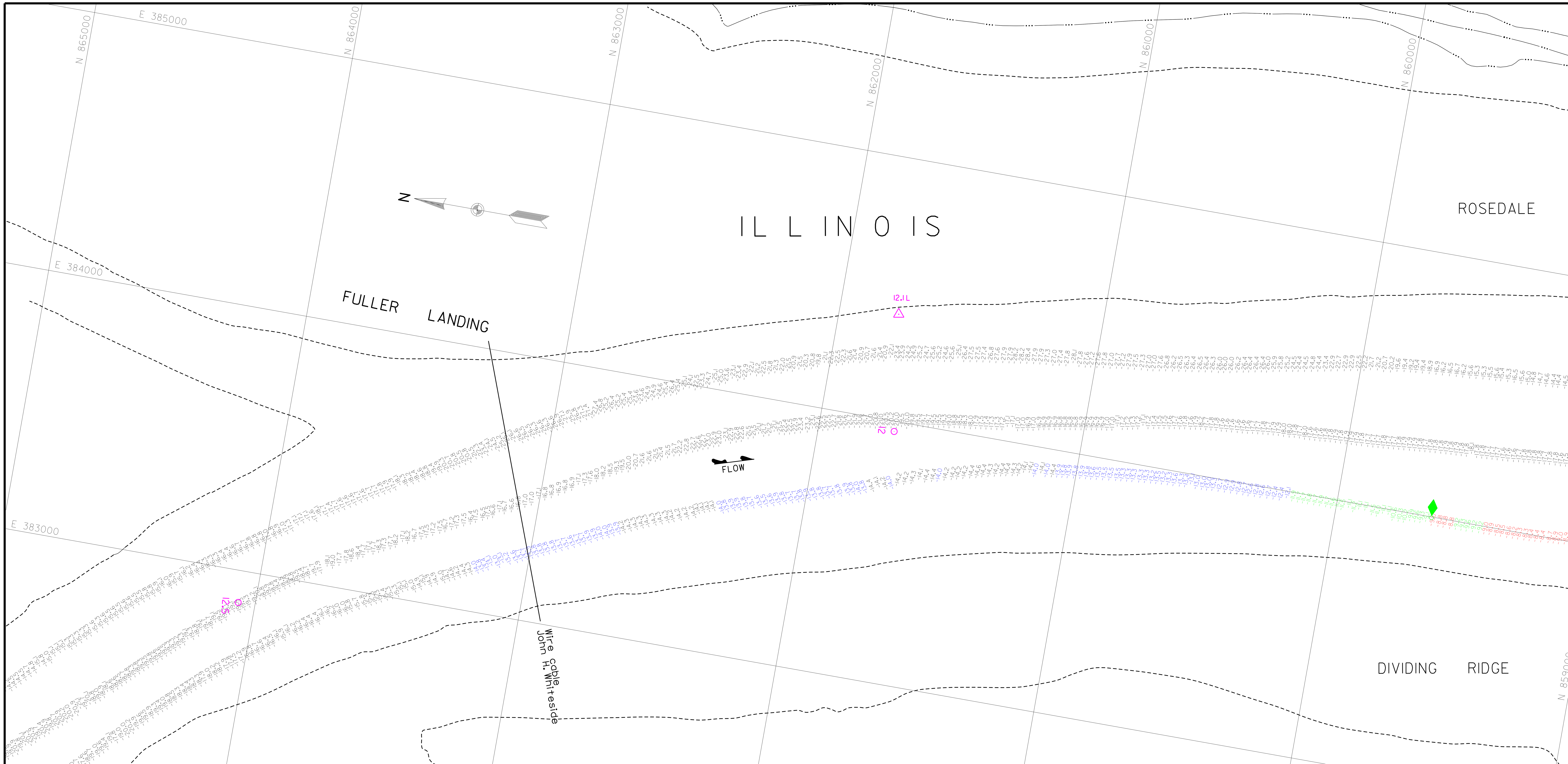
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
63



US Army Corps of Engineers
St. Louis District

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

This deliverable complies with the Quality ControlPlan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

FULLER LAKE

MIN POOL DEPTHS

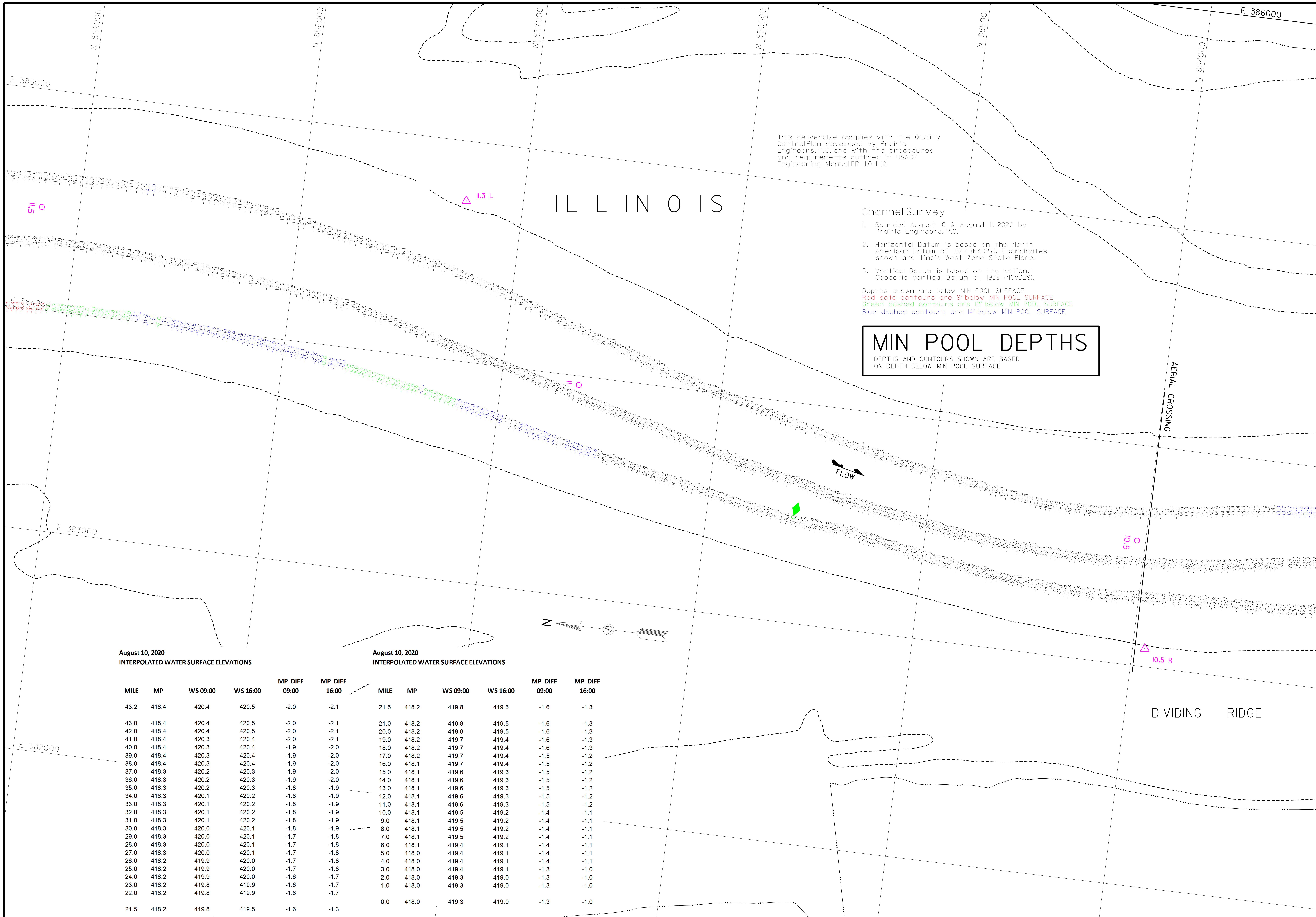
DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
64



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

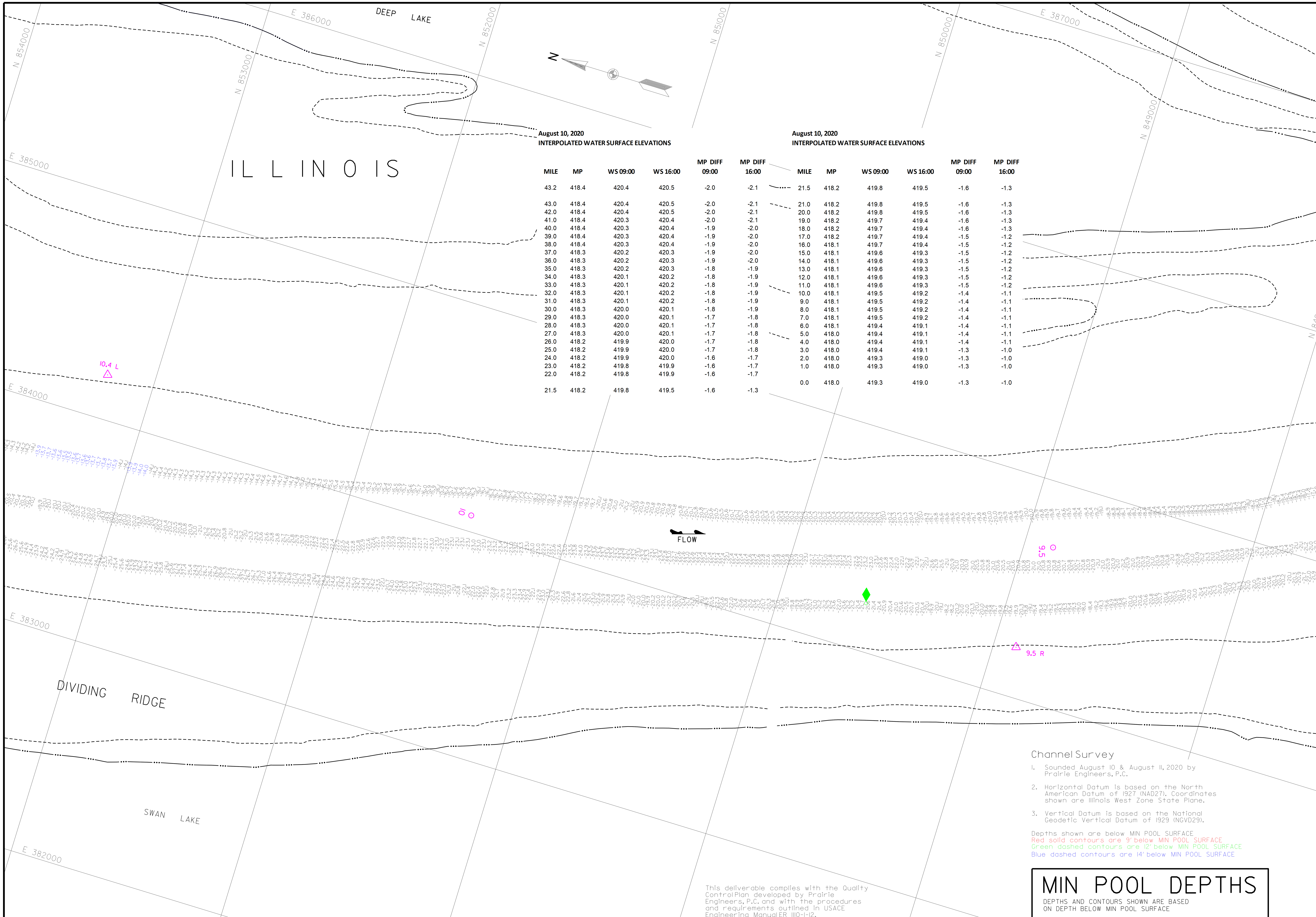
US Army Corps of Engineers
St. Louis District

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
65



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.5	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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	10 AUG 2020	419.8 (09:00)	419.3 (09:00)
		419.5 (16:00)	419.0 (16:00)

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: August 10, 2020
August 11, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004020_mp_sht66.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

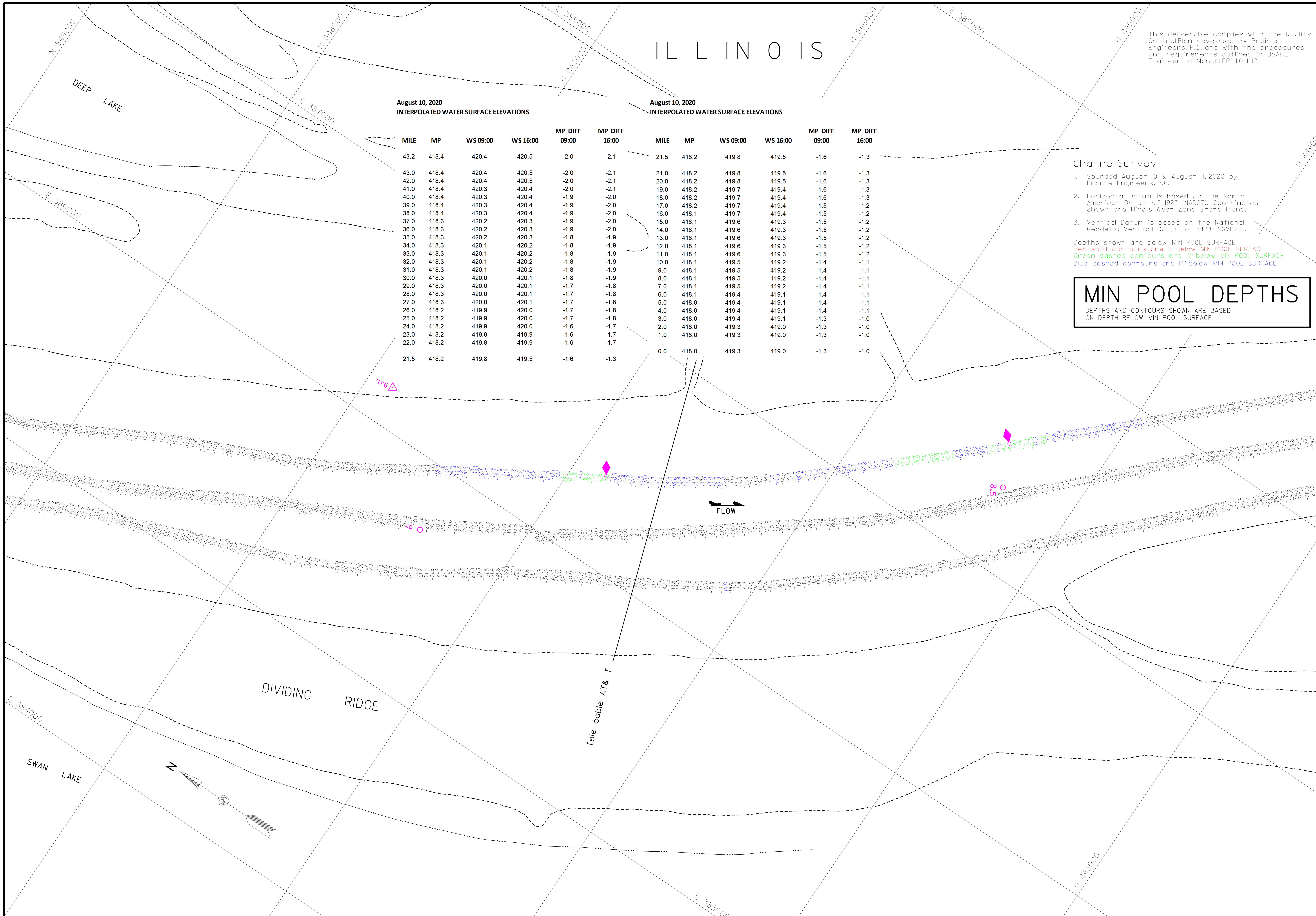
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER BASIN
ILLINOIS RIVER

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.

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
66



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

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Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

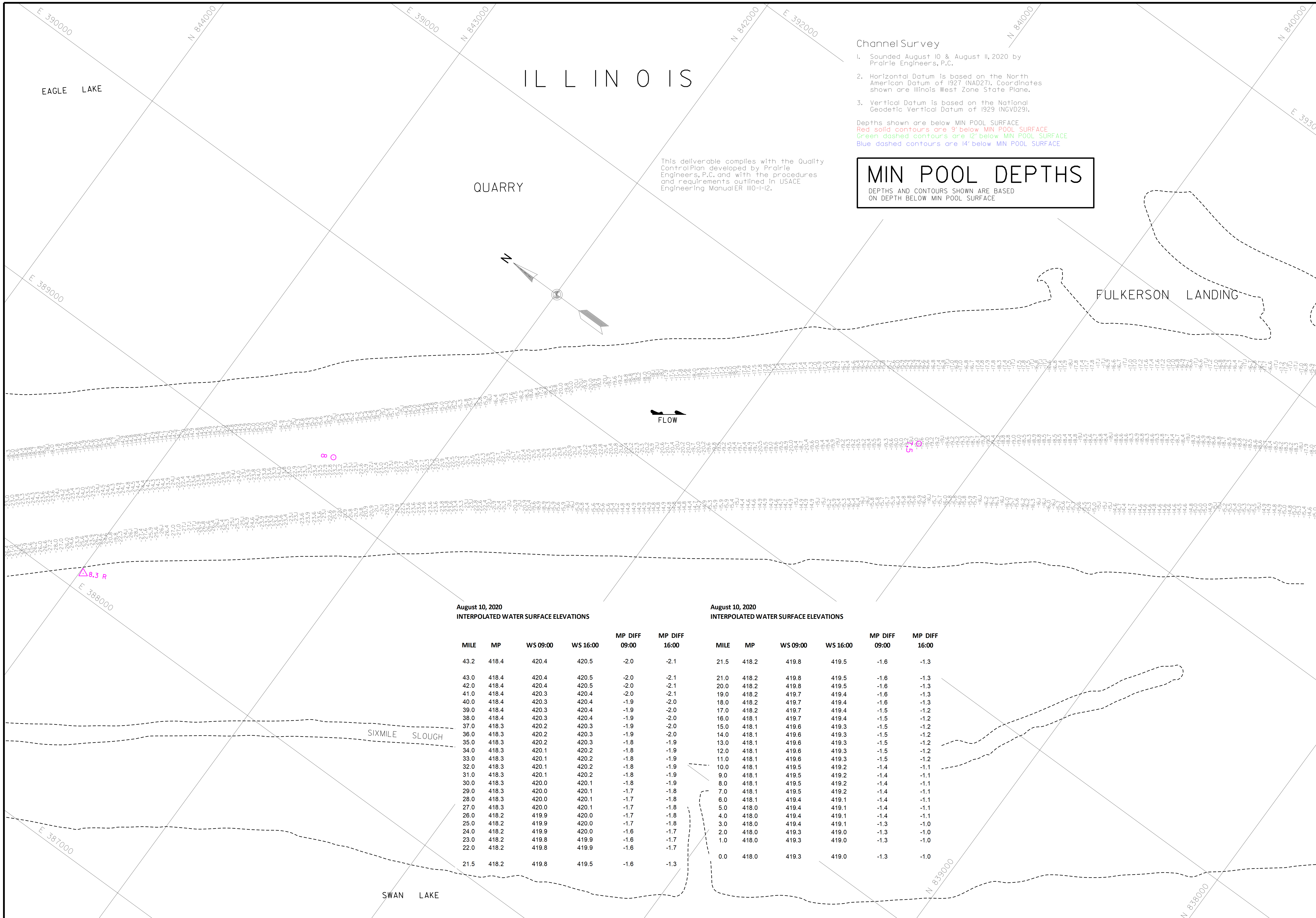
US Army Corps of Engineers
St. Louis District

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
67



Channel Survey

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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
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27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

US Army Corps of Engineers
St. Louis District

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
68

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

This deliverable complies with the Quality ControlPlan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering ManualER 1110-1-12.

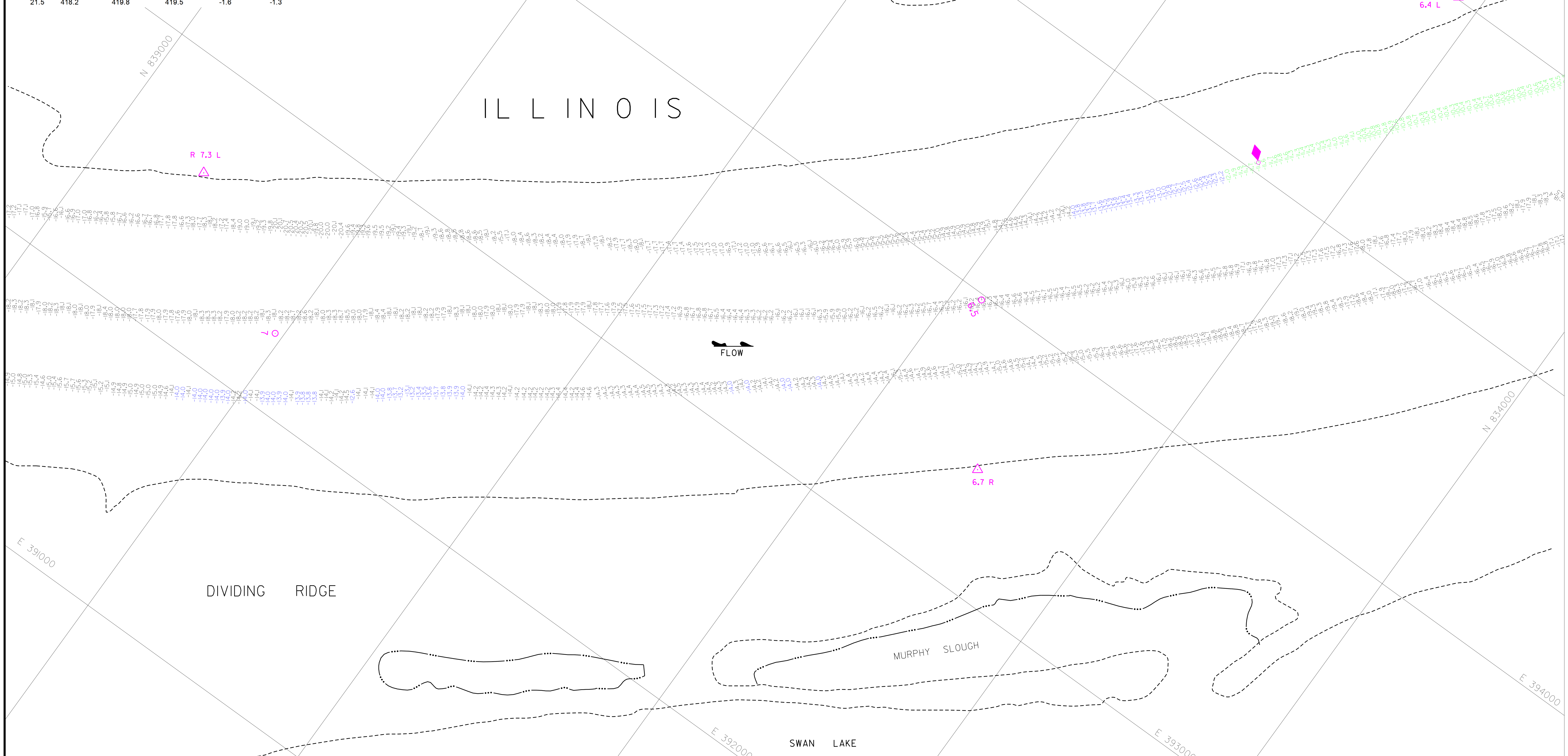
Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE



US Army Corps of Engineers
St. Louis District

	WATER SURFACE	GAGE RECORD HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN POOL		418.2	418.0
DATE	10 AUG 2020	419.8 (09:00) 419.5 (16:00)	419.3 (09:00) 419.0 (16:00)

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: August 10, 2020 August 11, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080.000H020_mp_sh69.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

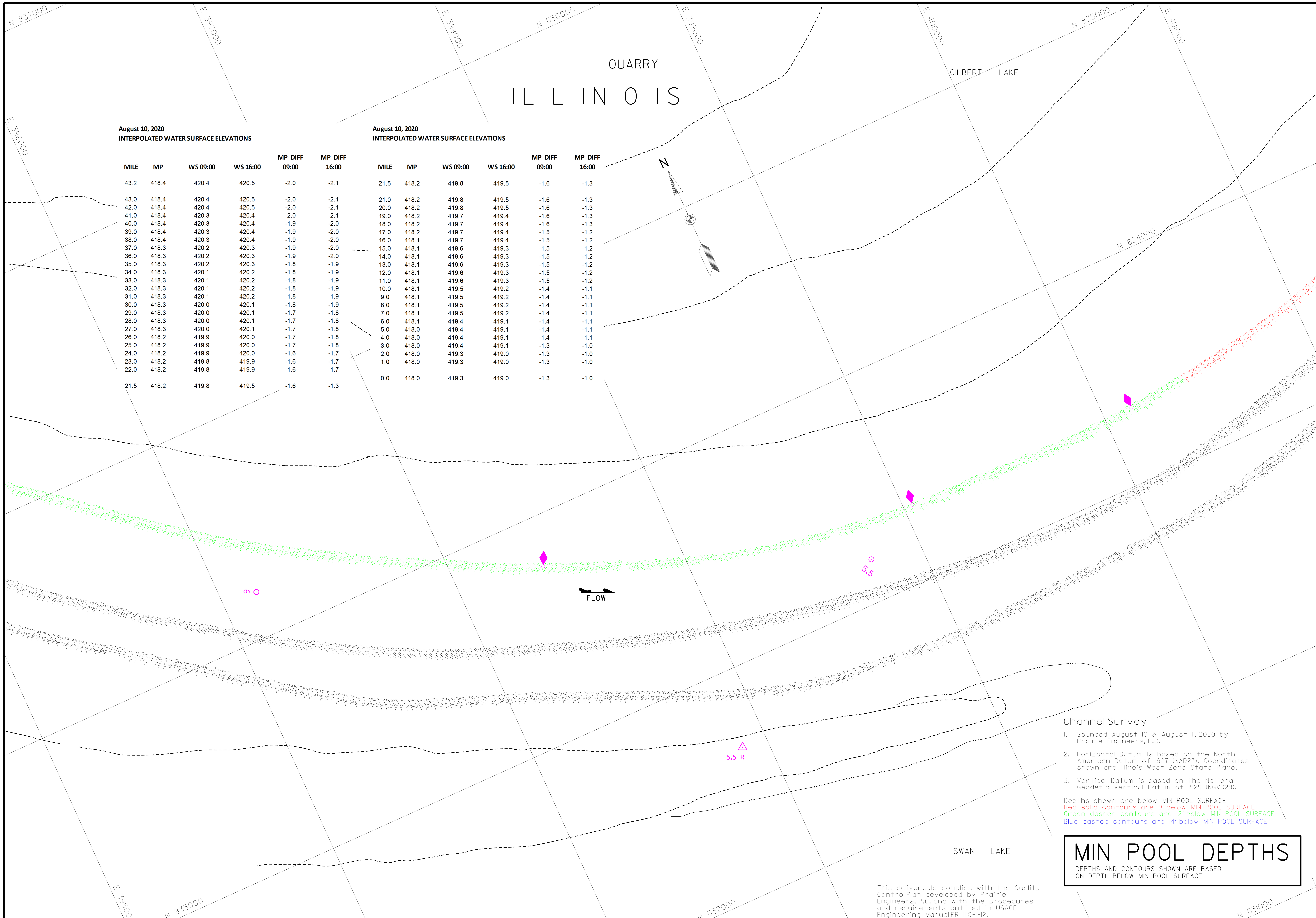
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
69



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

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Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

This deliverable complies with the Quality ControlPlan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering ManualER 1110-1-12.

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		
10 AUG 2020	419.8 (09:00)	419.3 (09:00)
	419.5 (16:00)	419.0 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080.000H020_mp_sht70.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

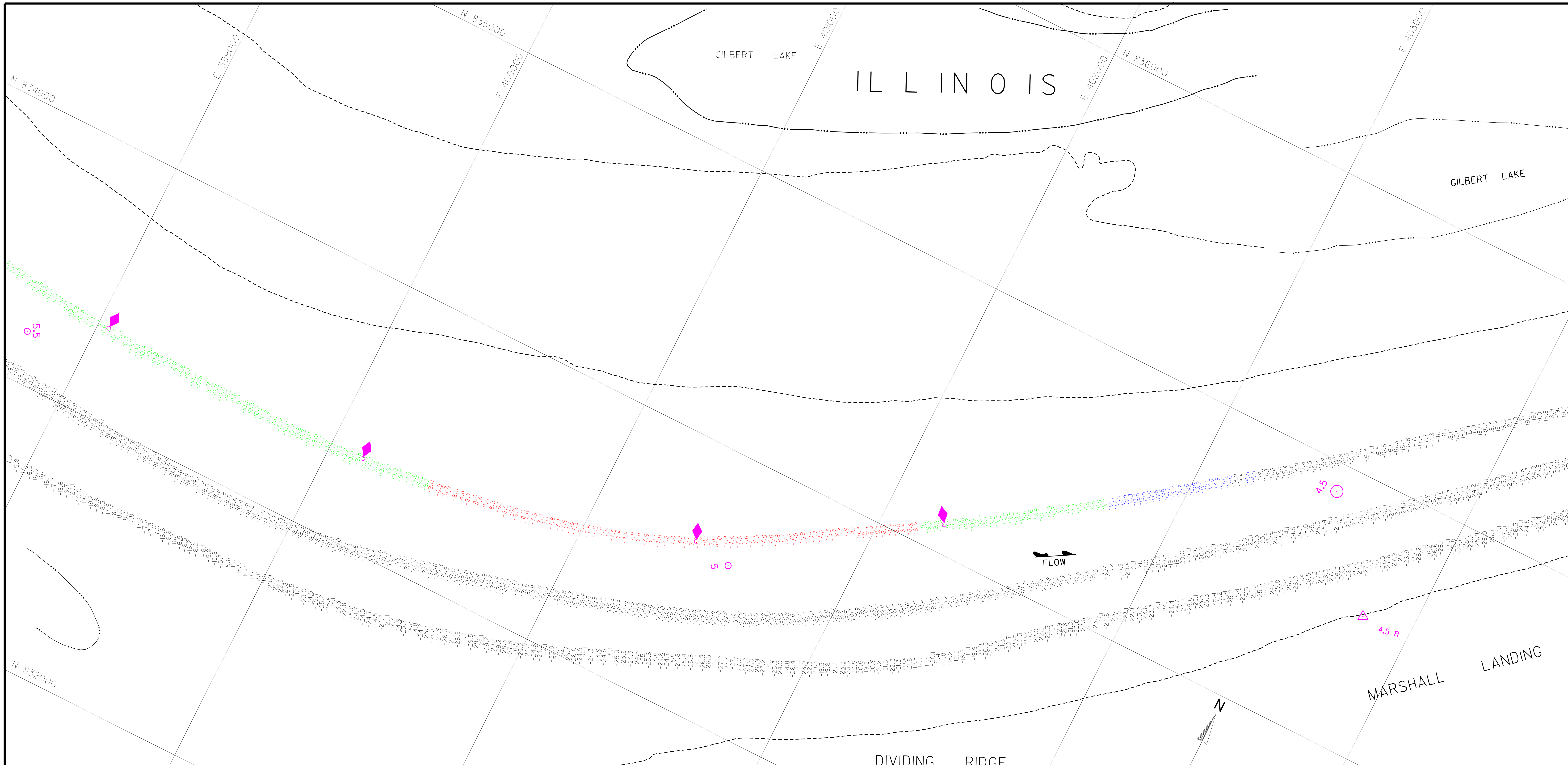
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
70



August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Channel Survey

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3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
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Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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 10 AUG 2020	419.8 (09:00)	419.3 (09:00)
	419.5 (16:00)	419.0 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

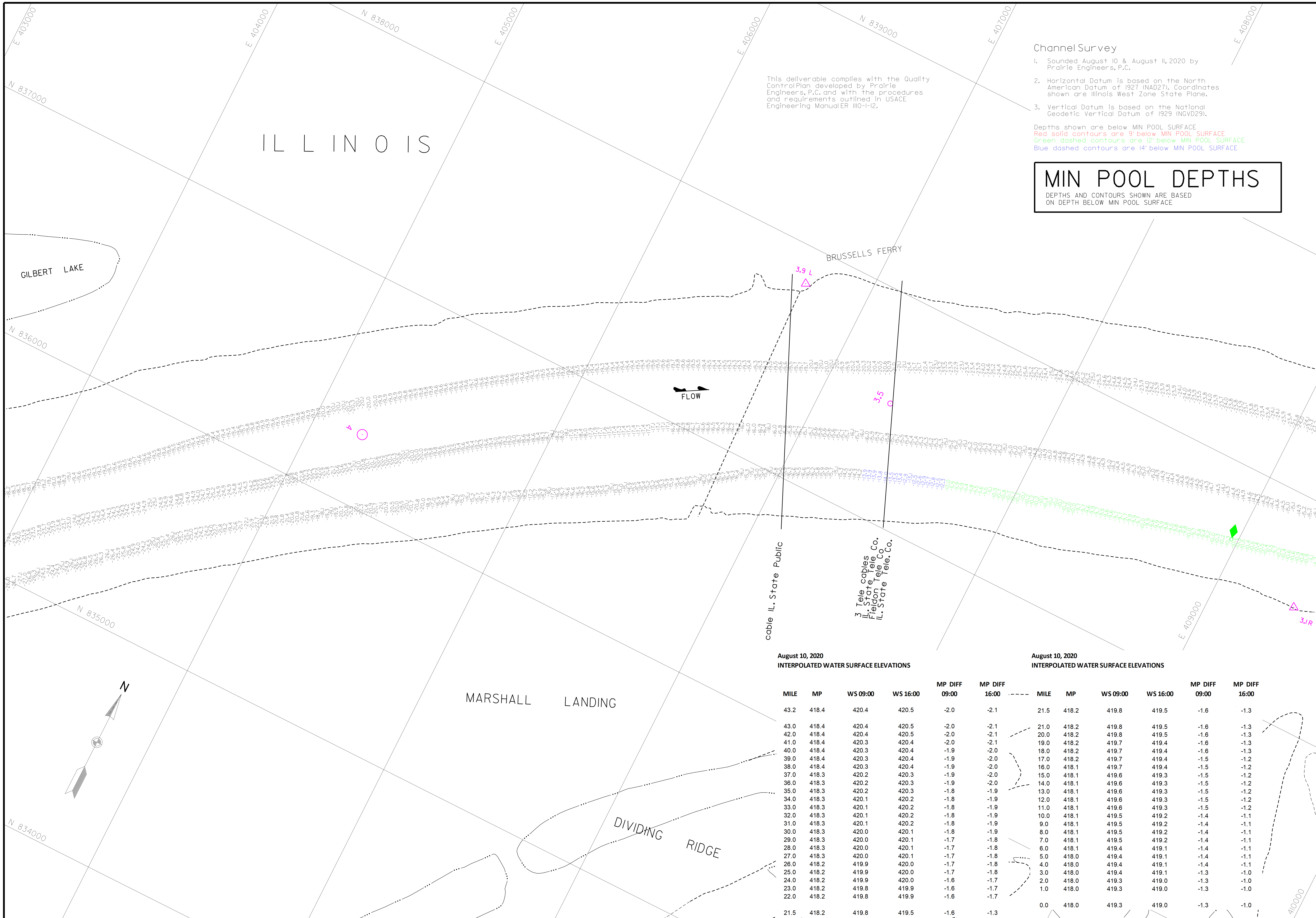
File name: 080_000H1020_mp_sht71.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
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 - 00.0

PLATE NUMBER
71



Channel Survey

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Red solid contours are 9' below MIN POOL SURFACE
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MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

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 10 AUG 2020	419.8 (09:00)	419.3 (09:00)
	419.5 (16:00)	419.0 (16:00)

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: August 10, 2020
August 11, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080_000H1020_mp_sht72.dgn
Plot date: 8/14/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

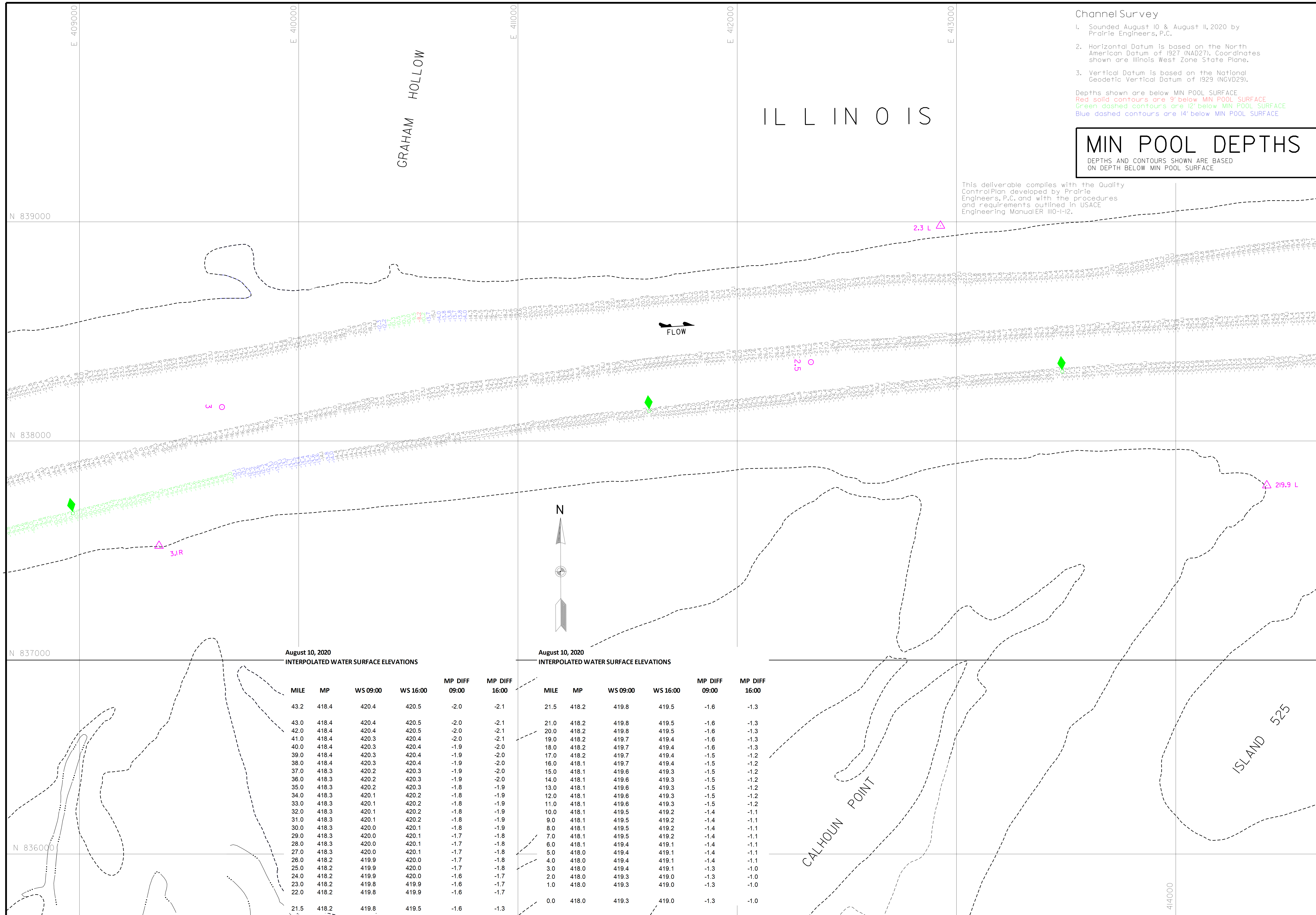
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

120 METERS
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



Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

US Army Corps of Engineers
St. Louis District

GAGE RECORD: GRAFTON, HARDIN, WATER SURFACE, ZERO N.G.V.D., MILE, MIN POOL, DATE 10 AUG 2020

Survey Date: August 10, 2020 August 11, 2020

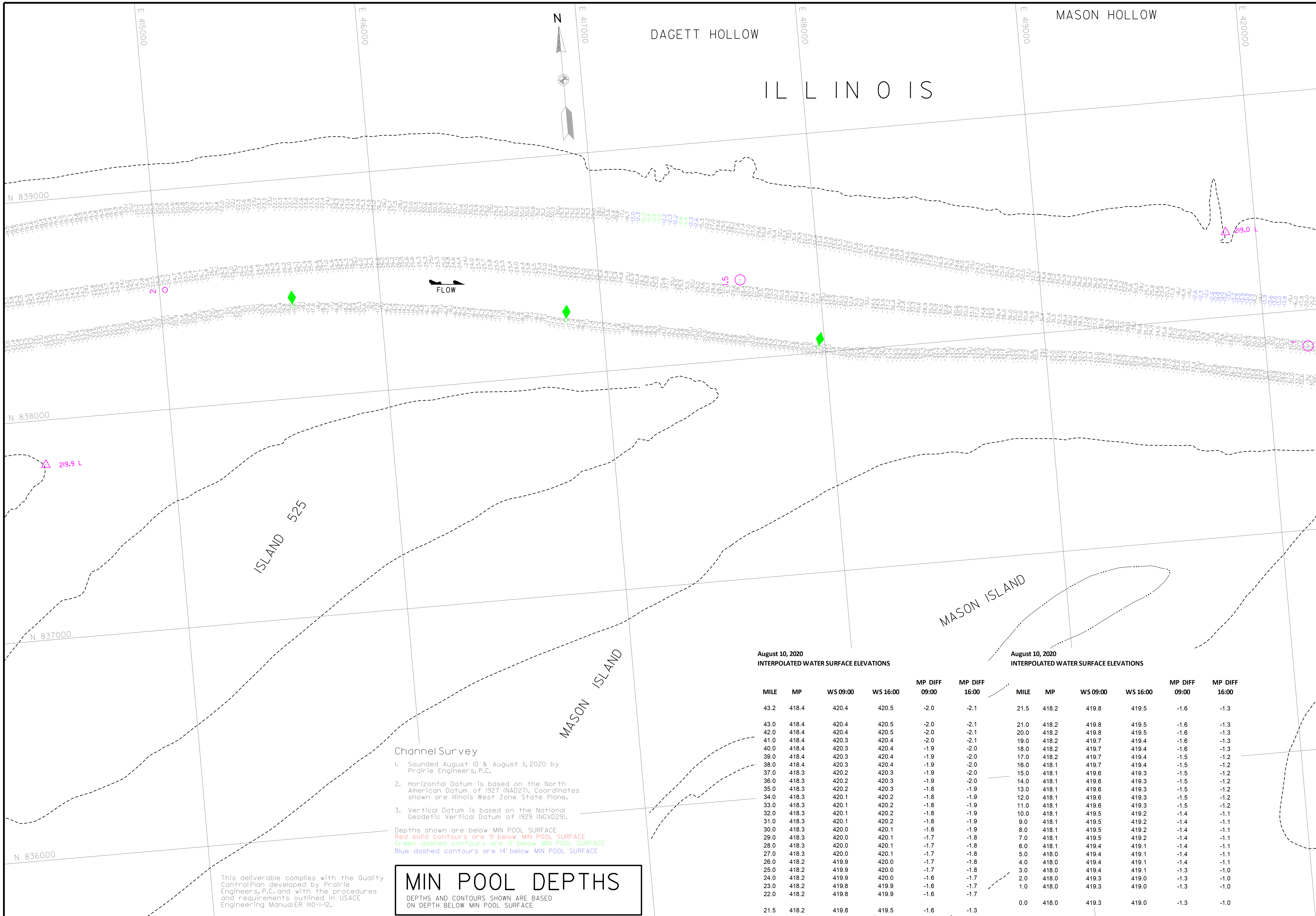
Surveyed by: PRAIRIE ENGINEERS
Drawn by: BJB
Ckd by: JBF
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
Reviewed by:
APPROVED:
Chief, Geospatial Branch
Plot date: 8/14/2020
Plot scale: 1" = 200'

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

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

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



US Army Corps of Engineers
St. Louis District

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
9.0	418.1	419.5	419.2	-1.4	-1.1
8.0	418.1	419.5	419.2	-1.4	-1.1
7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

Channel Survey

1. Sounded August 10 & August 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
Red solid contours are 9' below MIN POOL SURFACE
Green dashed contours are 12' below MIN POOL SURFACE
Blue dashed contours are 14' below MIN POOL SURFACE

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

MIN POOL DEPTHS

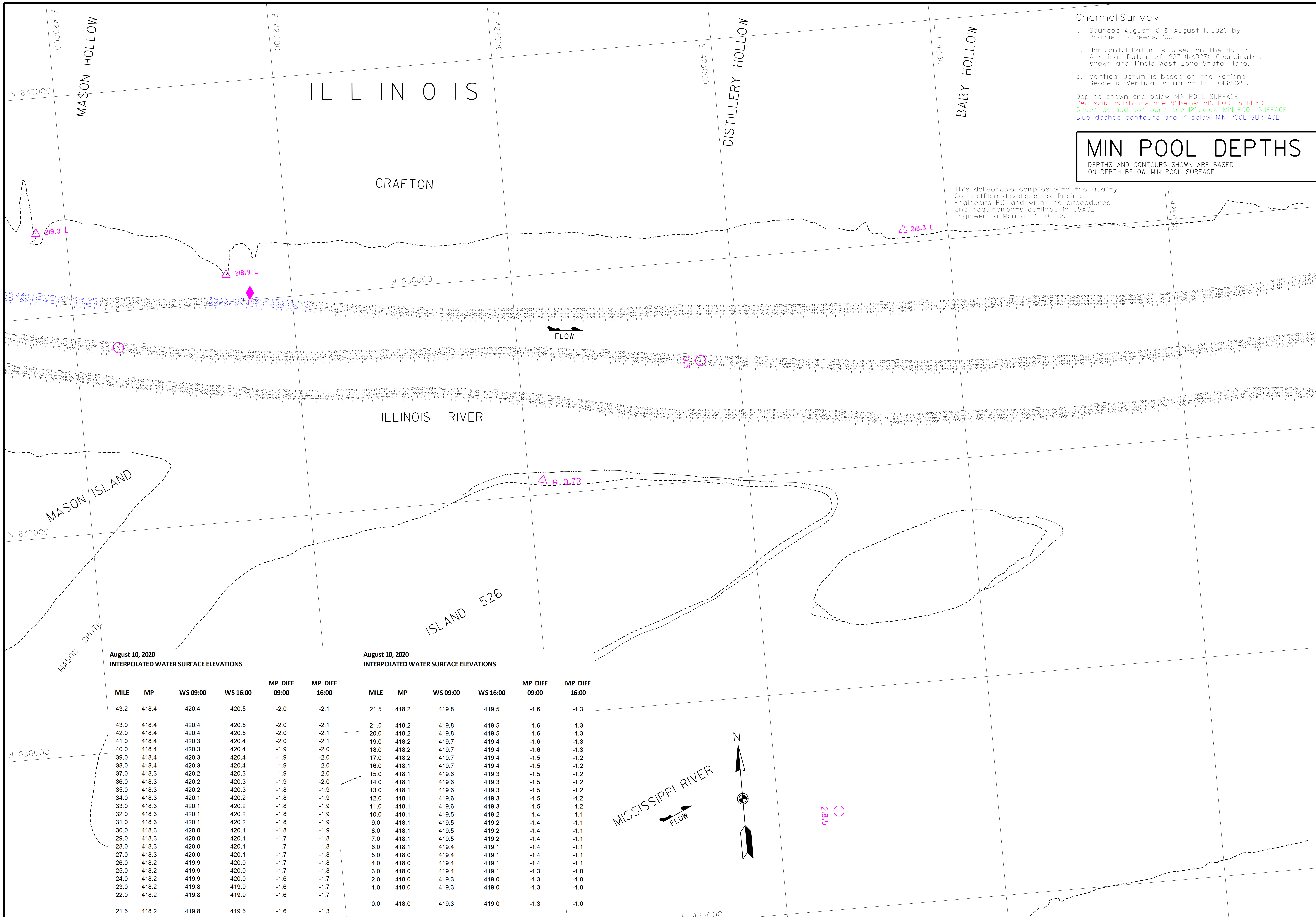
DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

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

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

Surveyed by: PRAIRIE ENGINEERS

PLATE NUMBER
74



Channel Survey

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August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
43.2	418.4	420.4	420.5	-2.0	-2.1
43.0	418.4	420.4	420.5	-2.0	-2.1
42.0	418.4	420.4	420.5	-2.0	-2.1
41.0	418.4	420.3	420.4	-2.0	-2.1
40.0	418.4	420.3	420.4	-1.9	-2.0
39.0	418.4	420.3	420.4	-1.9	-2.0
38.0	418.4	420.3	420.4	-1.9	-2.0
37.0	418.3	420.2	420.3	-1.9	-2.0
36.0	418.3	420.2	420.3	-1.9	-2.0
35.0	418.3	420.2	420.3	-1.8	-1.9
34.0	418.3	420.1	420.2	-1.8	-1.9
33.0	418.3	420.1	420.2	-1.8	-1.9
32.0	418.3	420.1	420.2	-1.8	-1.9
31.0	418.3	420.1	420.2	-1.8	-1.9
30.0	418.3	420.0	420.1	-1.8	-1.9
29.0	418.3	420.0	420.1	-1.7	-1.8
28.0	418.3	420.0	420.1	-1.7	-1.8
27.0	418.3	420.0	420.1	-1.7	-1.8
26.0	418.2	419.9	420.0	-1.7	-1.8
25.0	418.2	419.9	420.0	-1.7	-1.8
24.0	418.2	419.9	420.0	-1.6	-1.7
23.0	418.2	419.8	419.9	-1.6	-1.7
22.0	418.2	419.8	419.9	-1.6	-1.7
21.5	418.2	419.8	419.5	-1.6	-1.3

August 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
21.5	418.2	419.8	419.5	-1.6	-1.3
21.0	418.2	419.8	419.5	-1.6	-1.3
20.0	418.2	419.8	419.5	-1.6	-1.3
19.0	418.2	419.7	419.4	-1.6	-1.3
18.0	418.2	419.7	419.4	-1.6	-1.3
17.0	418.2	419.7	419.4	-1.5	-1.2
16.0	418.1	419.7	419.4	-1.5	-1.2
15.0	418.1	419.6	419.3	-1.5	-1.2
14.0	418.1	419.6	419.3	-1.5	-1.2
13.0	418.1	419.6	419.3	-1.5	-1.2
12.0	418.1	419.6	419.3	-1.5	-1.2
11.0	418.1	419.6	419.3	-1.5	-1.2
10.0	418.1	419.5	419.2	-1.4	-1.1
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7.0	418.1	419.5	419.2	-1.4	-1.1
6.0	418.1	419.4	419.1	-1.4	-1.1
5.0	418.0	419.4	419.1	-1.4	-1.1
4.0	418.0	419.4	419.1	-1.4	-1.1
3.0	418.0	419.4	419.1	-1.3	-1.0
2.0	418.0	419.3	419.0	-1.3	-1.0
1.0	418.0	419.3	419.0	-1.3	-1.0
0.0	418.0	419.3	419.0	-1.3	-1.0

US Army Corps of Engineers
St. Louis District

GAGE RECORD

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

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER

75