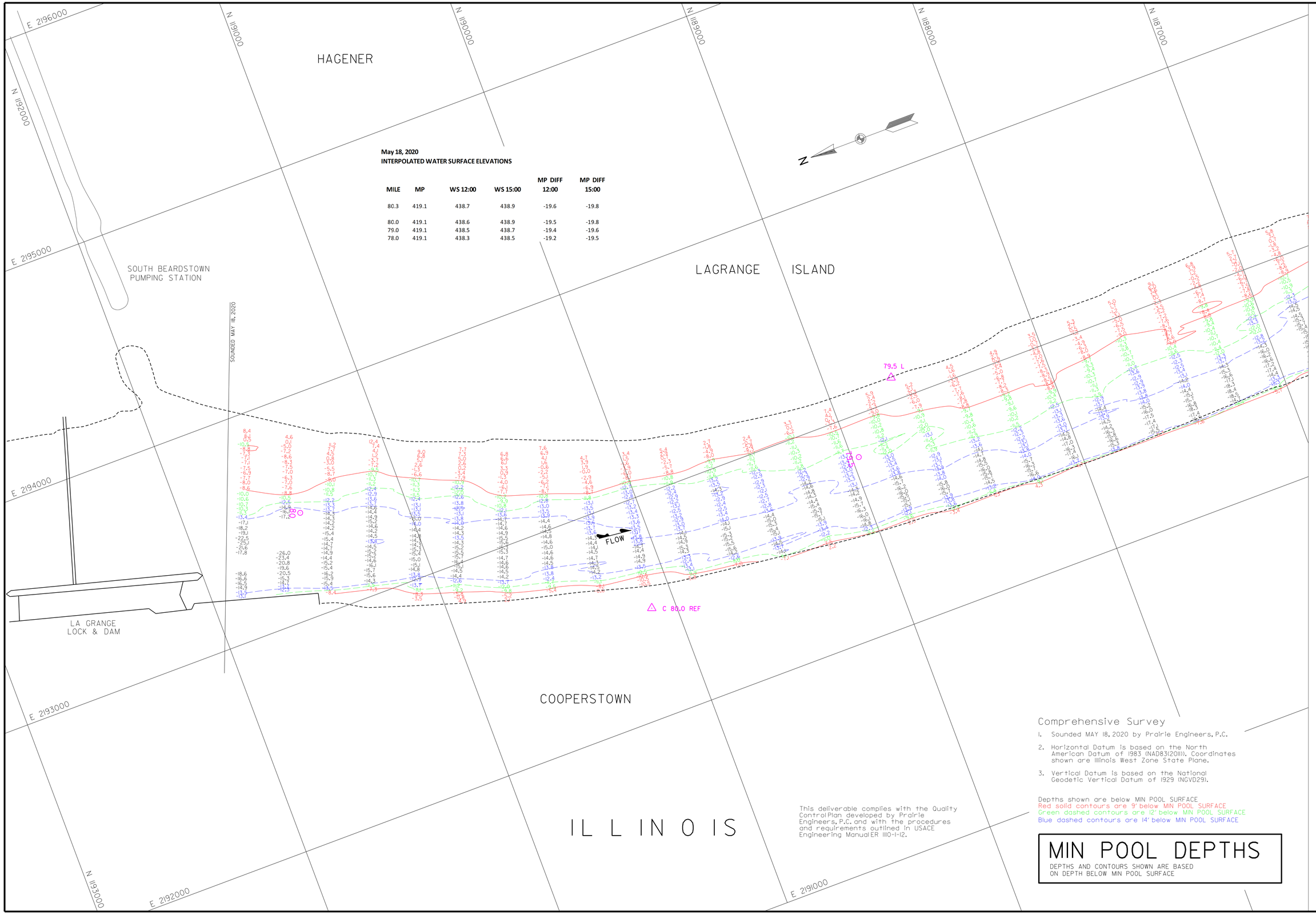


May 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 15:00	MP DIFF 12:00	MP DIFF 15:00
80.3	419.1	438.7	438.9	-19.6	-19.8
80.0	419.1	438.6	438.9	-19.5	-19.8
79.0	419.1	438.5	438.7	-19.4	-19.6
78.0	419.1	438.3	438.5	-19.2	-19.5

Comprehensive Survey

1. Sounded MAY 18, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	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	18 MAY 2020	438.9 (12:00)	437.4 (12:00)
		438.9 (15:00)	437.4 (15:00)

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: MAY 18, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht01.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

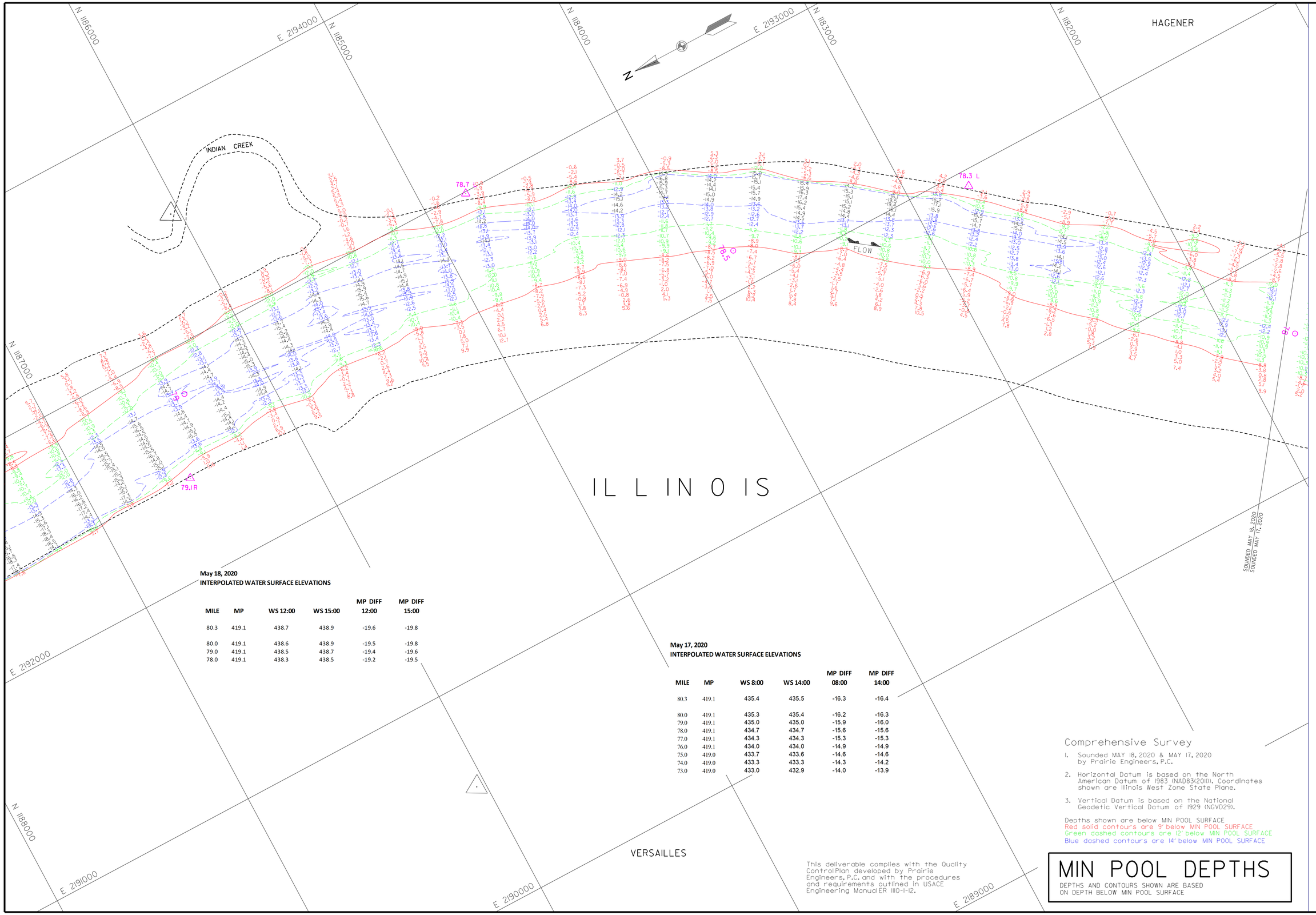
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
1



May 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 15:00	MP DIFF 12:00	MP DIFF 15:00
80.3	419.1	438.7	438.9	-19.6	-19.8
80.0	419.1	438.6	438.9	-19.5	-19.8
79.0	419.1	438.5	438.7	-19.4	-19.6
78.0	419.1	438.3	438.5	-19.2	-19.5

May 17, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 14:00	MP DIFF 08:00	MP DIFF 14:00
80.3	419.1	435.4	435.5	-16.3	-16.4
80.0	419.1	435.3	435.4	-16.2	-16.3
79.0	419.1	435.0	435.0	-15.9	-16.0
78.0	419.1	434.7	434.7	-15.6	-15.6
77.0	419.1	434.3	434.3	-15.3	-15.3
76.0	419.1	434.0	434.0	-14.9	-14.9
75.0	419.0	433.7	433.6	-14.6	-14.6
74.0	419.0	433.3	433.3	-14.3	-14.2
73.0	419.0	433.0	432.9	-14.0	-13.9

Comprehensive Survey

1. Sounded MAY 18, 2020 & MAY 17, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D.		415.5	418.0
MILE		80.3	70.8
MIN POOL		419.1	419.0
DATE	18 MAY 2020	438.9 (12:00)	437.4 (12:00)
		438.9 (15:00)	437.4 (15:00)

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: MAY 18, 2020
MAY 17, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht02.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

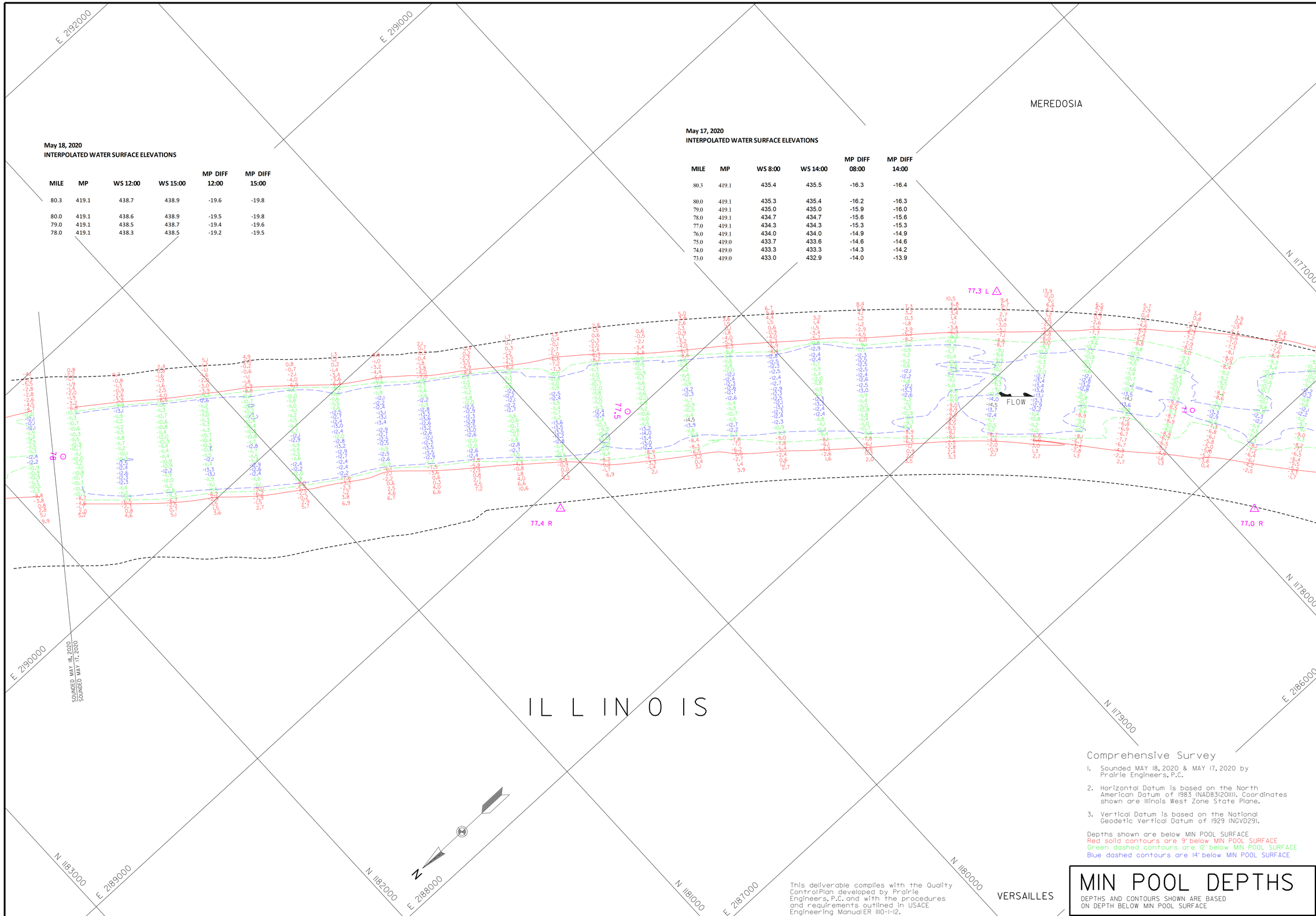
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
2



May 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 15:00	MP DIFF 12:00	MP DIFF 15:00
80.3	419.1	438.7	438.9	-19.6	-19.8
80.0	419.1	438.6	438.9	-19.5	-19.8
79.0	419.1	438.5	438.7	-19.4	-19.6
78.0	419.1	438.3	438.5	-19.2	-19.5

May 17, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 14:00	MP DIFF 08:00	MP DIFF 14:00
80.3	419.1	435.4	435.5	-16.3	-16.4
80.0	419.1	435.3	435.4	-16.2	-16.3
79.0	419.1	435.0	435.0	-15.9	-16.0
78.0	419.1	434.7	434.7	-15.6	-15.6
77.0	419.1	434.3	434.3	-15.3	-15.3
76.0	419.1	434.0	434.0	-14.9	-14.9
75.0	419.0	433.7	433.6	-14.6	-14.6
74.0	419.0	433.3	433.3	-14.3	-14.2
73.0	419.0	433.0	432.9	-14.0	-13.9

Comprehensive Survey

1. Sounded MAY 18, 2020 & MAY 17, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	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	17 MAY 2020	435.4 (08:00)	432.3 (08:00)
		435.5 (14:00)	432.1 (14:00)

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

Survey Date: MAY 18, 2020
MAY 17, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_0860_0020_mp_sht03.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

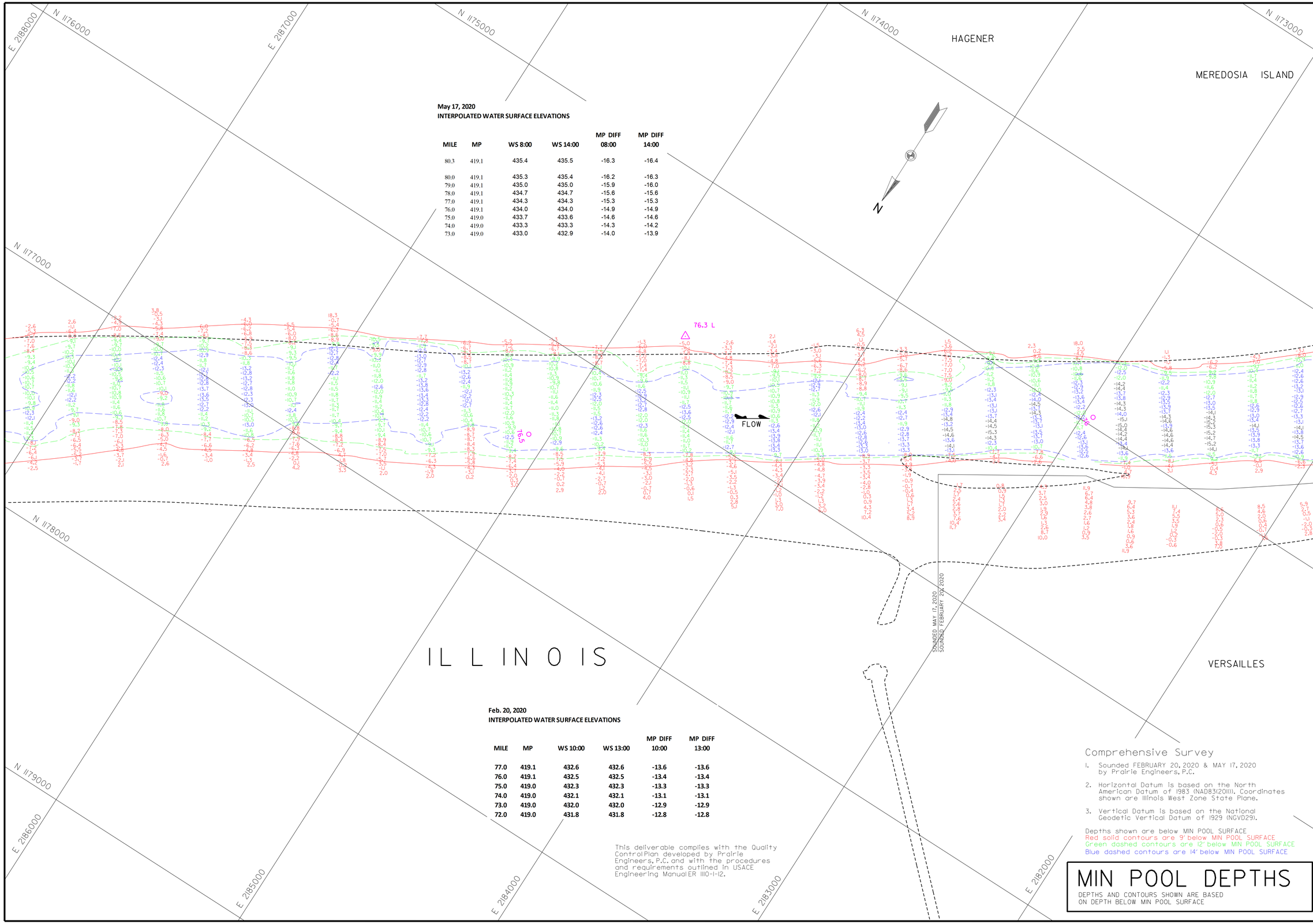
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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.

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
3



May 17, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 14:00	MP DIFF 08:00	MP DIFF 14:00
80.3	419.1	435.4	435.5	-16.3	-16.4
80.0	419.1	435.3	435.4	-16.2	-16.3
79.0	419.1	435.0	435.0	-15.9	-16.0
78.0	419.1	434.7	434.7	-15.6	-15.6
77.0	419.1	434.3	434.3	-15.3	-15.3
76.0	419.1	434.0	434.0	-14.9	-14.9
75.0	419.0	433.7	433.6	-14.6	-14.6
74.0	419.0	433.3	433.3	-14.3	-14.2
73.0	419.0	433.0	432.9	-14.0	-13.9

Feb. 20, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 13:00	MP DIFF 10:00	MP DIFF 13:00
77.0	419.1	432.6	432.6	-13.6	-13.6
76.0	419.1	432.5	432.5	-13.4	-13.4
75.0	419.0	432.3	432.3	-13.3	-13.3
74.0	419.0	432.1	432.1	-13.1	-13.1
73.0	419.0	432.0	432.0	-12.9	-12.9
72.0	419.0	431.8	431.8	-12.8	-12.8

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.

Comprehensive Survey

1. Sounded FEBRUARY 20, 2020 & MAY 17, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D.		415.5	418.0
MILE		80.3	70.8
MIN POOL		419.1	419.0
DATE	17 MAY 2020	435.4 (08:00)	432.3 (08:00)
		435.5 (14:00)	432.1 (14:00)

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

Survey Date: FEBRUARY 20, 2020
MAY 17, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: IL8.080.000.mp.sht04.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

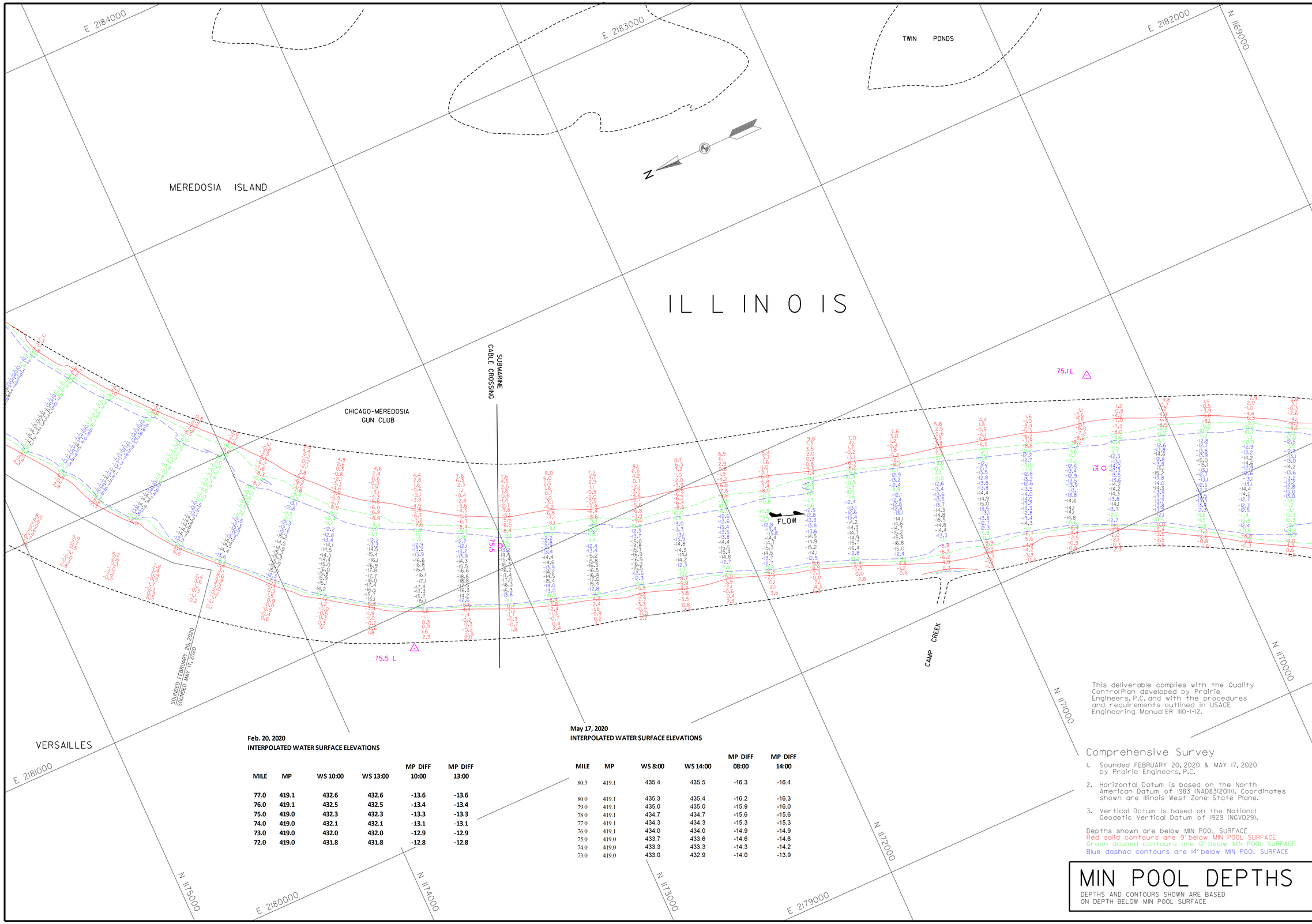
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
4



Feb. 20, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 13:00	MP DIFF 10:00	MP DIFF 13:00
77.0	419.1	432.6	432.6	-13.6	-13.6
76.0	419.1	432.5	432.5	-13.4	-13.4
75.0	419.0	432.3	432.3	-13.3	-13.3
74.0	419.0	432.1	432.1	-13.1	-13.1
73.0	419.0	432.0	432.0	-12.9	-12.9
72.0	419.0	431.8	431.8	-12.8	-12.8

May 17, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 14:00	MP DIFF 08:00	MP DIFF 14:00
80.3	419.1	435.4	435.5	-16.3	-16.4
80.0	419.1	435.3	435.4	-16.2	-16.3
79.0	419.1	435.0	435.0	-15.9	-16.0
78.0	419.1	434.7	434.7	-15.6	-15.6
77.0	419.1	434.3	434.3	-15.3	-15.3
76.0	419.1	434.0	434.0	-14.9	-14.9
75.0	419.0	433.7	433.6	-14.6	-14.6
74.0	419.0	433.3	433.3	-14.3	-14.2
73.0	419.0	433.0	432.9	-14.0	-13.9

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.

Comprehensive Survey

1. Sounded FEBRUARY 20, 2020 & MAY 17, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	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	17 MAY 2020	435.4 (08:00)	432.3 (08:00)
		435.5 (14:00)	432.1 (14:00)

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

Survey Date: FEBRUARY 20, 2020
MAY 17, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht05.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, GeospatialBranch

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

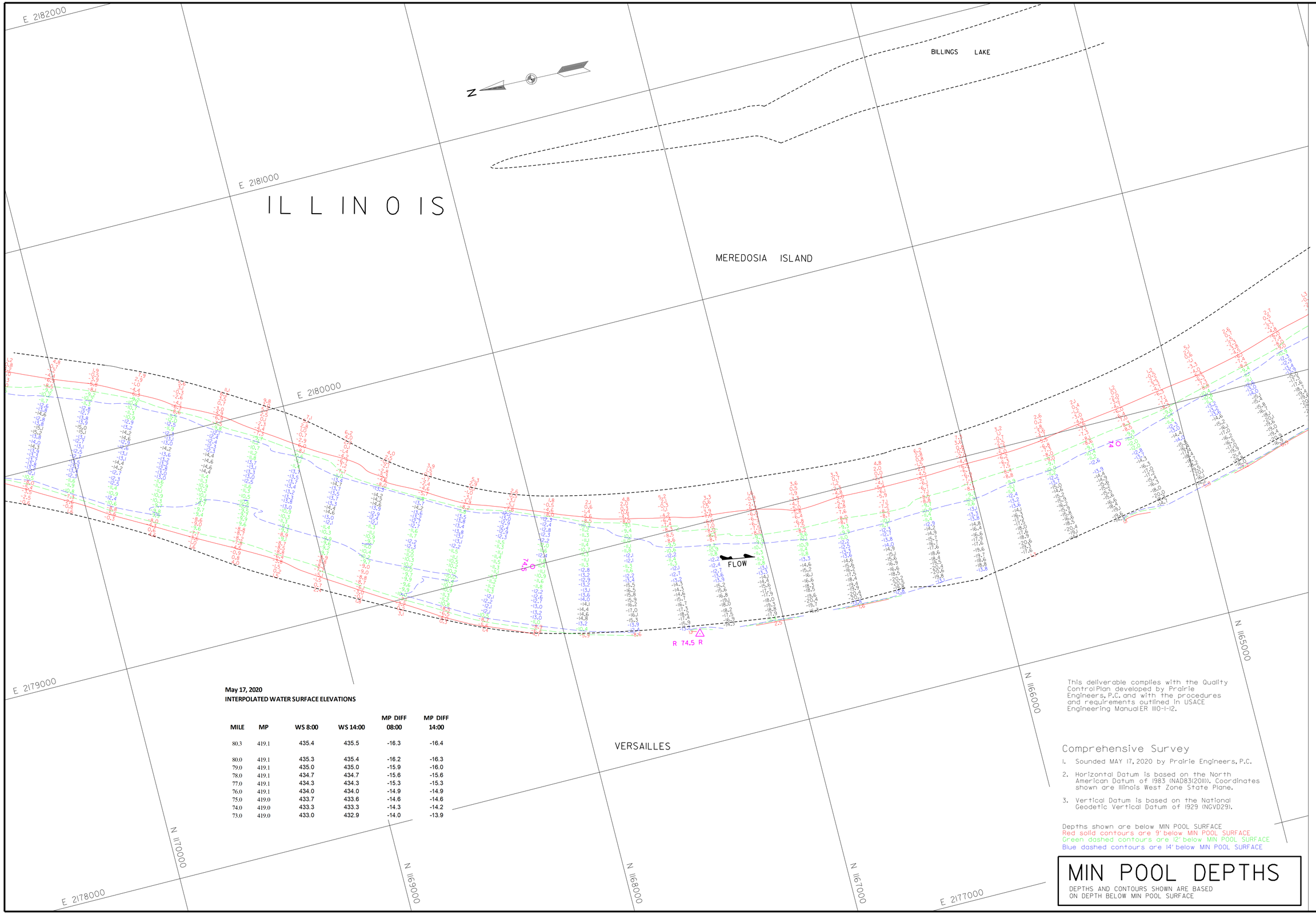
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
5



May 17, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 14:00	MP DIFF 08:00	MP DIFF 14:00
80.3	419.1	435.4	435.5	-16.3	-16.4
80.0	419.1	435.3	435.4	-16.2	-16.3
79.0	419.1	435.0	435.0	-15.9	-16.0
78.0	419.1	434.7	434.7	-15.6	-15.6
77.0	419.1	434.3	434.3	-15.3	-15.3
76.0	419.1	434.0	434.0	-14.9	-14.9
75.0	419.0	433.7	433.6	-14.6	-14.6
74.0	419.0	433.3	433.3	-14.3	-14.2
73.0	419.0	433.0	432.9	-14.0	-13.9

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.

Comprehensive Survey

1. Sounded MAY 17, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	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	17 MAY 2020	435.4 (08:00)	432.3 (08:00)
		435.5 (14:00)	432.1 (14:00)

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

Survey Date: MAY 17, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR.080.000.mp.sht06.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
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.

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
6

N 165000

N 164000

N 163000

N 162000

N 161000

N 160000

E 2182000

E 2181000

E 2180000

E 2179000

E 2178000

N 159000

BILLINGS LAKE

MEREDOSIA ISLAND

ILLINOIS

VERSAILLES

SOUNDED MAY 17, 2020
SOUNDED FEBRUARY 20, 2020

SOUNDED FEBRUARY 20, 2020
SOUNDED MAY 16, 2020

SOUNDED MAY 17, 2020
SOUNDED MAY 16, 2020

73.6 L

FLOW

Feb. 20, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 13:00	MP DIFF 10:00	MP DIFF 13:00
77.0	419.1	432.6	432.6	-13.6	-13.6
76.0	419.1	432.5	432.5	-13.4	-13.4
75.0	419.0	432.3	432.3	-13.3	-13.3
74.0	419.0	432.1	432.1	-13.1	-13.1
73.0	419.0	432.0	432.0	-12.9	-12.9
72.0	419.0	431.8	431.8	-12.8	-12.8

May 16, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 14:00	MP DIFF 08:00	MP DIFF 14:00
80.3	419.10	438.5	438.6	-19.4	-19.5
80.0	419.10	438.4	438.5	-19.3	-19.4
79.0	419.09	438.1	438.3	-19.0	-19.2
78.0	419.08	437.9	438.0	-18.8	-18.9
77.0	419.07	437.6	437.7	-18.6	-18.6
76.0	419.05	437.4	437.4	-18.3	-18.4
75.0	419.04	437.1	437.2	-18.1	-18.1
74.0	419.03	436.9	436.9	-17.9	-17.8
73.0	419.02	436.6	436.6	-17.6	-17.6
72.0	419.01	436.4	436.3	-17.4	-17.3
71.0	419.00	436.1	436.1	-17.1	-17.1
70.8	419.00	436.1	436.0	-17.1	-17.0
70.0	418.99	436.0	435.9	-17.0	-16.9
69.0	418.98	435.8	435.7	-16.8	-16.7
68.0	418.97	435.6	435.5	-16.6	-16.5
67.0	418.96	435.4	435.3	-16.4	-16.4
66.0	418.95	435.2	435.1	-16.3	-16.2
65.0	418.94	435.0	434.9	-16.1	-16.0
64.0	418.93	434.8	434.8	-15.9	-15.8
63.0	418.92	434.6	434.6	-15.7	-15.6
62.0	418.91	434.5	434.4	-15.6	-15.5
61.3	418.90	434.3	434.3	-15.4	-15.4

May 17, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 14:00	MP DIFF 08:00	MP DIFF 14:00
80.3	419.1	435.4	435.5	-16.3	-16.4
80.0	419.1	435.3	435.4	-16.2	-16.3
79.0	419.1	435.0	435.0	-15.9	-16.0
78.0	419.1	434.7	434.7	-15.6	-15.6
77.0	419.1	434.3	434.3	-15.3	-15.3
76.0	419.1	434.0	434.0	-14.9	-14.9
75.0	419.0	433.7	433.6	-14.6	-14.6
74.0	419.0	433.3	433.3	-14.3	-14.2
73.0	419.0	433.0	432.9	-14.0	-13.9

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.

Comprehensive Survey

1. Sounded FEBRUARY 20, 2020, MAY 17, 2020 & MAY 16, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	LAGRANGE LOCK (IL)	MEREDOSIA
ZERO N.G.V.D.	413.5	418.0
MILE	80.3	70.8
MIN. POOL	419.1	419.0
DATE	17 MAY 2020	435.4 (1985.00) 432.3 (1912.00)
		435.5 (1912.00) 432.1 (1912.00)

ELEVATIONS ARE REFERRED TO NGVD29 - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (1956.00 CFS)

Survey Dates: FEBRUARY 20, 2020
MAY 16, 2020
MAY 17, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File names: ILR_080_000_mp_sh17.dgn

Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/RJB
Ckd by: DEF
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
200 FEET 100 0

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY PRAIRIE ENGINEERS, P.C. AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
7

MEREDOSIA LAKE

CARVER LAKE

MEREDOSIA ISLAND

VERSAILLES

CHAMBERSBURG

ILLINOIS

N 1160000

N 1159000

N 1158000

N 1157000

N 1156000

N 1155000

N 1154000

E 2185000

E 2184000

E 2183000

E 2182000

E 2181000

E 2180000

E 2179000

SOUNDED FEBRUARY 20, 2020
SOUNDED MAY 16, 2020

72.2 L

72.8 R

FLOW

Feb. 20, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 13:00	MP DIFF 10:00	MP DIFF 13:00
77.0	419.1	432.6	432.6	-13.6	-13.6
76.0	419.1	432.5	432.5	-13.4	-13.4
75.0	419.0	432.3	432.3	-13.3	-13.3
74.0	419.0	432.1	432.1	-13.1	-13.1
73.0	419.0	432.0	432.0	-12.9	-12.9
72.0	419.0	431.8	431.8	-12.8	-12.8

May 16, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 14:00	MP DIFF 08:00	MP DIFF 14:00
80.3	419.10	438.5	438.6	-19.4	-19.5
80.0	419.10	438.4	438.5	-19.3	-19.4
79.0	419.09	438.1	438.3	-19.0	-19.2
78.0	419.08	437.9	438.0	-18.8	-18.9
77.0	419.07	437.6	437.7	-18.6	-18.6
76.0	419.05	437.4	437.4	-18.3	-18.4
75.0	419.04	437.1	437.2	-18.1	-18.1
74.0	419.03	436.9	436.9	-17.9	-17.8
73.0	419.02	436.6	436.6	-17.6	-17.6
72.0	419.01	436.4	436.3	-17.4	-17.3
71.0	419.00	436.1	436.1	-17.1	-17.1
70.8	419.00	436.1	436.0	-17.1	-17.0
70.0	418.99	436.0	435.9	-17.0	-16.9
69.0	418.98	435.8	435.7	-16.8	-16.7
68.0	418.97	435.6	435.5	-16.6	-16.5
67.0	418.96	435.4	435.3	-16.4	-16.4
66.0	418.95	435.2	435.1	-16.3	-16.2
65.0	418.94	435.0	434.9	-16.1	-16.0
64.0	418.93	434.8	434.8	-15.9	-15.8
63.0	418.92	434.6	434.6	-15.7	-15.6
62.0	418.91	434.5	434.4	-15.6	-15.5
61.3	418.90	434.3	434.3	-15.4	-15.4

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.

Comprehensive Survey

1. Sounded FEBRUARY 20, 2020 & MAY 16, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	LAGRANGE LOCK (IL)	MEREDOSIA
ZERO N.G.V.D.		403.5	418.0
MILE		80.3	70.8
MIN. POOL		419.1	419.0
DATE	16 MAY 2020	436.5 (1080.0)	436.1 (1080.0)
		436.0 (1145.0)	436.0 (1145.0)

ELEVATIONS ARE REFERRED TO NGVD29 - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (54.000 CFS)

Survey Dates: FEBRUARY 20, 2020
MAY 16, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File names: ILR_080_000_mp_sht18.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

120 METERS 60 0 60 200 0 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME AND UNDER THE CONDITIONS NOTED AND AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
8

MEREDOSIA

E 2186000

E 2185000

E 2184000

E 2183000

N 1149000

N 1150000

N 1151000

N 1152000

N 1153000

N 1154000

104

99

N

AERIAL POWER LINE

AERIAL POWER LINE

12" SUBMERGED PIPELINE

71.0 L

FLOW

71.5

ILLINOIS

CHAMBERSBURG

May 16, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 14:00	MP DIFF 08:00	MP DIFF 14:00
80.3	419.10	438.5	438.6	-19.4	-19.5
80.0	419.10	438.4	438.5	-19.3	-19.4
79.0	419.09	438.1	438.3	-19.0	-19.2
78.0	419.08	437.9	438.0	-18.8	-18.9
77.0	419.07	437.6	437.7	-18.6	-18.6
76.0	419.05	437.4	437.4	-18.3	-18.4
75.0	419.04	437.1	437.2	-18.1	-18.1
74.0	419.03	436.9	436.9	-17.9	-17.8
73.0	419.02	436.6	436.6	-17.6	-17.6
72.0	419.01	436.4	436.3	-17.4	-17.3
71.0	419.00	436.1	436.1	-17.1	-17.1
70.8	419.00	436.1	436.0	-17.1	-17.0
70.0	418.99	436.0	435.9	-17.0	-16.9
69.0	418.98	435.8	435.7	-16.8	-16.7
68.0	418.97	435.6	435.5	-16.6	-16.5
67.0	418.96	435.4	435.3	-16.4	-16.4
66.0	418.95	435.2	435.1	-16.3	-16.2
65.0	418.94	435.0	434.9	-16.1	-16.0
64.0	418.93	434.8	434.8	-15.9	-15.8
63.0	418.92	434.6	434.6	-15.7	-15.6
62.0	418.91	434.5	434.4	-15.6	-15.5
61.3	418.90	434.3	434.3	-15.4	-15.4

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.

Comprehensive Survey

1. Sounded MAY 16, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	LAGRANGE LOCK (IL)	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		403.5	418.0	418.0
MILE		80.3	70.8	61.3
MIN. POOL		419.1	419.0	418.9
DATE	16 MAY 2020	438.5 (108:00)	436.1 (108:00)	434.3 (108:00)
		438.6 (114:00)	436.0 (114:00)	434.3 (114:00)

ELEVATIONS ARE REFERRED TO NGVD. CONTOURS ARE BELOW 1956-ST LOW WATER REFERENCE PLANE (LWRP) (54.00 CFS)

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BRB
Ckd by: DEF
Reviewed by:
Survey Dates: MAY 16, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sh19.dgn
Plot date: 7/5/2020
Plot scale: 1" = 200'
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

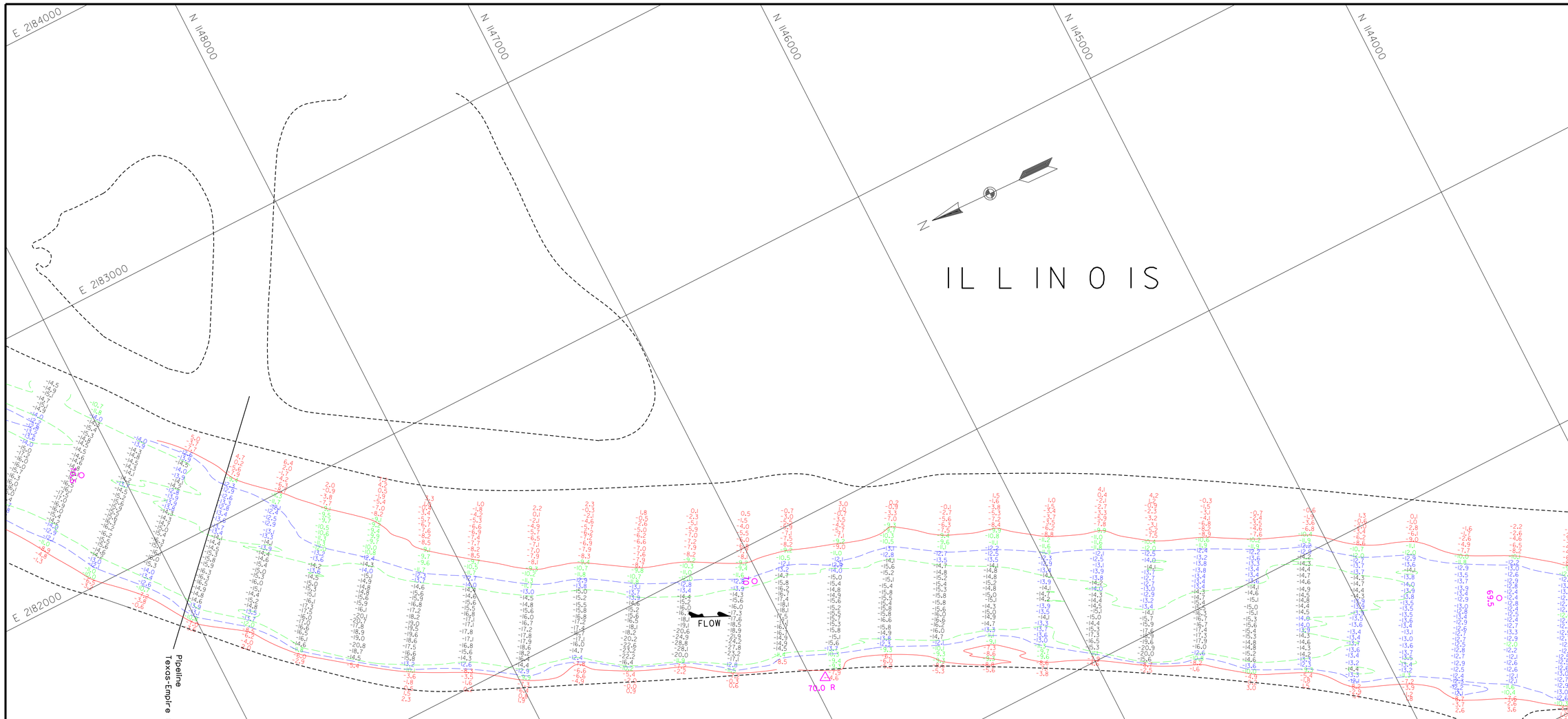
ILLINOIS RIVER

120 METERS 60 0 200 400 FEET 60 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY THE ENGINEER AND IS SUBJECT TO CHANGE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
9



May 16, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 14:00	MP DIFF 08:00	MP DIFF 14:00
80.3	419.10	438.5	438.6	-19.4	-19.5
80.0	419.10	438.4	438.5	-19.3	-19.4
79.0	419.09	438.1	438.3	-19.0	-19.2
78.0	419.08	437.9	438.0	-18.8	-18.9
77.0	419.07	437.6	437.7	-18.6	-18.6
76.0	419.05	437.4	437.4	-18.3	-18.4
75.0	419.04	437.1	437.2	-18.1	-18.1
74.0	419.03	436.9	436.9	-17.9	-17.8
73.0	419.02	436.6	436.6	-17.6	-17.6
72.0	419.01	436.4	436.3	-17.4	-17.3
71.0	419.00	436.1	436.1	-17.1	-17.1
70.8	419.00	436.1	436.0	-17.1	-17.0
70.0	418.99	436.0	435.9	-17.0	-16.9
69.0	418.98	435.8	435.7	-16.8	-16.7
68.0	418.97	435.6	435.5	-16.6	-16.5
67.0	418.96	435.4	435.3	-16.4	-16.4
66.0	418.95	435.2	435.1	-16.3	-16.2
65.0	418.94	435.0	434.9	-16.1	-16.0
64.0	418.93	434.8	434.8	-15.9	-15.8
63.0	418.92	434.6	434.6	-15.7	-15.6
62.0	418.91	434.5	434.4	-15.6	-15.5
61.3	418.90	434.3	434.3	-15.4	-15.4

Comprehensive Survey

1. Sounded MAY 16, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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.

CHAMBERSBURG

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN POOL		419.0	418.9
DATE	16 MAY 2020	436.1 (08:00)	434.3 (08:00)
		436.0 (14:00)	434.3 (14:00)

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

Survey Date: MAY 16, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR.080.000.mp.sht10.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BRB
Ckd by: DEF
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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

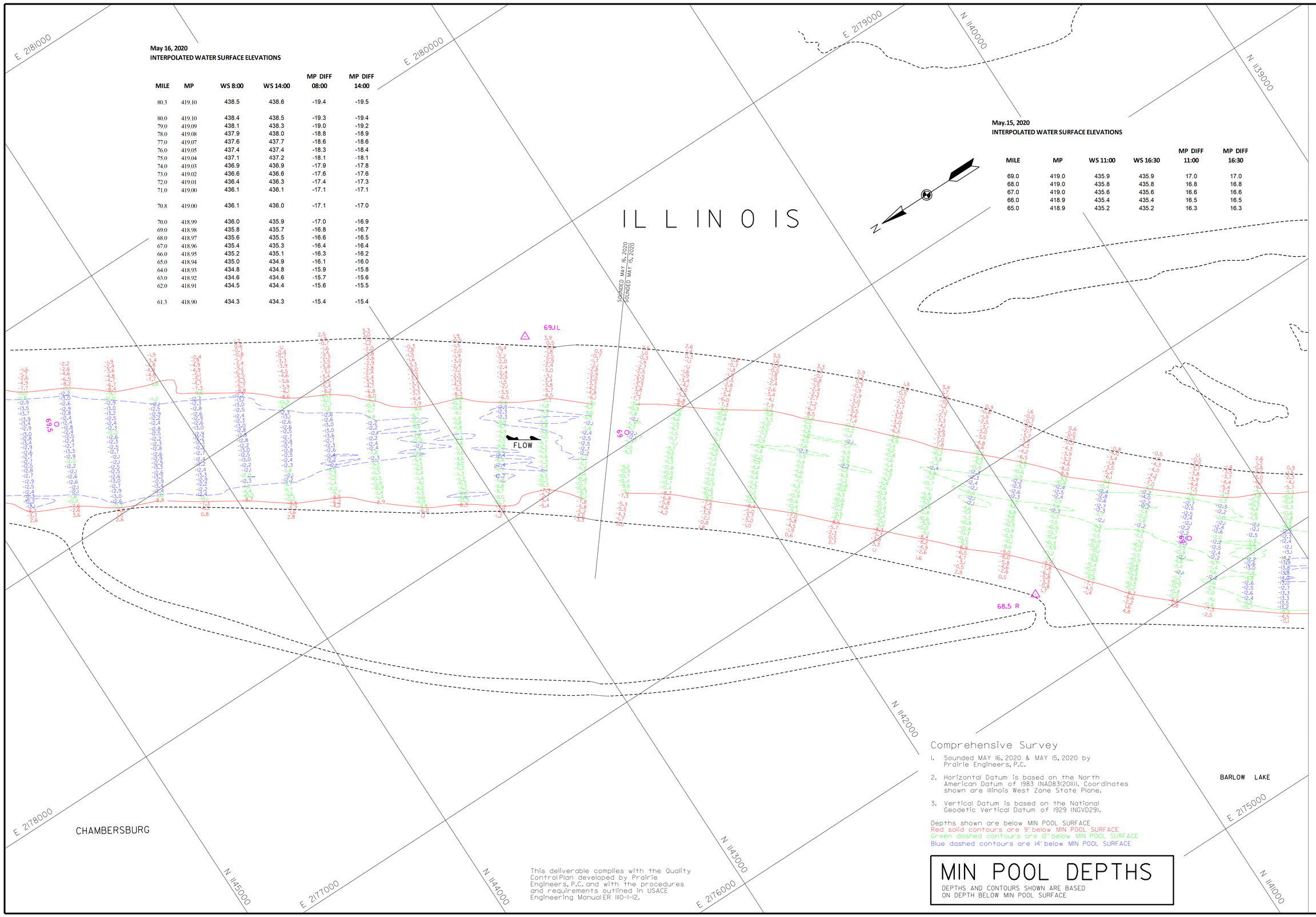
PLATE NUMBER
10

May 16, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 14:00	MP DIFF 08:00	MP DIFF 14:00
80.3	419.10	438.5	438.6	-19.4	-19.5
80.0	419.10	438.4	438.5	-19.3	-19.4
79.0	419.09	438.1	438.3	-19.0	-19.2
78.0	419.08	437.9	438.0	-18.8	-18.9
77.0	419.07	437.6	437.7	-18.6	-18.6
76.0	419.05	437.4	437.4	-18.3	-18.4
75.0	419.04	437.1	437.2	-18.1	-18.1
74.0	419.03	436.9	436.9	-17.9	-17.8
73.0	419.02	436.6	436.6	-17.6	-17.6
72.0	419.01	436.4	436.3	-17.4	-17.3
71.0	419.00	436.1	436.1	-17.1	-17.1
70.8	419.00	436.1	436.0	-17.1	-17.0
70.0	418.99	436.0	435.9	-17.0	-16.9
69.0	418.98	435.8	435.7	-16.8	-16.7
68.0	418.97	435.6	435.5	-16.6	-16.5
67.0	418.96	435.4	435.3	-16.4	-16.4
66.0	418.95	435.2	435.1	-16.3	-16.2
65.0	418.94	435.0	434.9	-16.1	-16.0
64.0	418.93	434.8	434.8	-15.9	-15.8
63.0	418.92	434.6	434.6	-15.7	-15.6
62.0	418.91	434.5	434.4	-15.6	-15.5
61.3	418.90	434.3	434.3	-15.4	-15.4

May.15, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 11:00	WS 16:30	MP DIFF 11:00	MP DIFF 16:30
69.0	419.0	435.9	435.9	17.0	17.0
68.0	419.0	435.8	435.8	16.8	16.8
67.0	419.0	435.6	435.6	16.6	16.6
66.0	418.9	435.4	435.4	16.5	16.5
65.0	418.9	435.2	435.2	16.3	16.3



Comprehensive Survey

1. Sounded MAY 16, 2020 & MAY 15, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	MERIDOSIA	VALLEY CITY
ZERO N.G.V.D.	418.0	418.0
MILE	70.8	61.3
MIN. POOL	419.0	418.9
DATE		
15 MAY 2020	436.3 (1600)	434.6 (1600)
	436.3 (1630)	434.6 (1630)

ELEVATIONS ARE REFERRED TO NGVD. CONTOURS ARE BELOW 1956-ST LOW WATER REFERENCE PLANE (LWRP) (54.000 CFS)

Survey Dates: MAY 16, 2020
MAY 15, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by:
PRAIRIE ENGINEERS

Drawn by:
JLK/BJB

Ckd by:
DEF

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

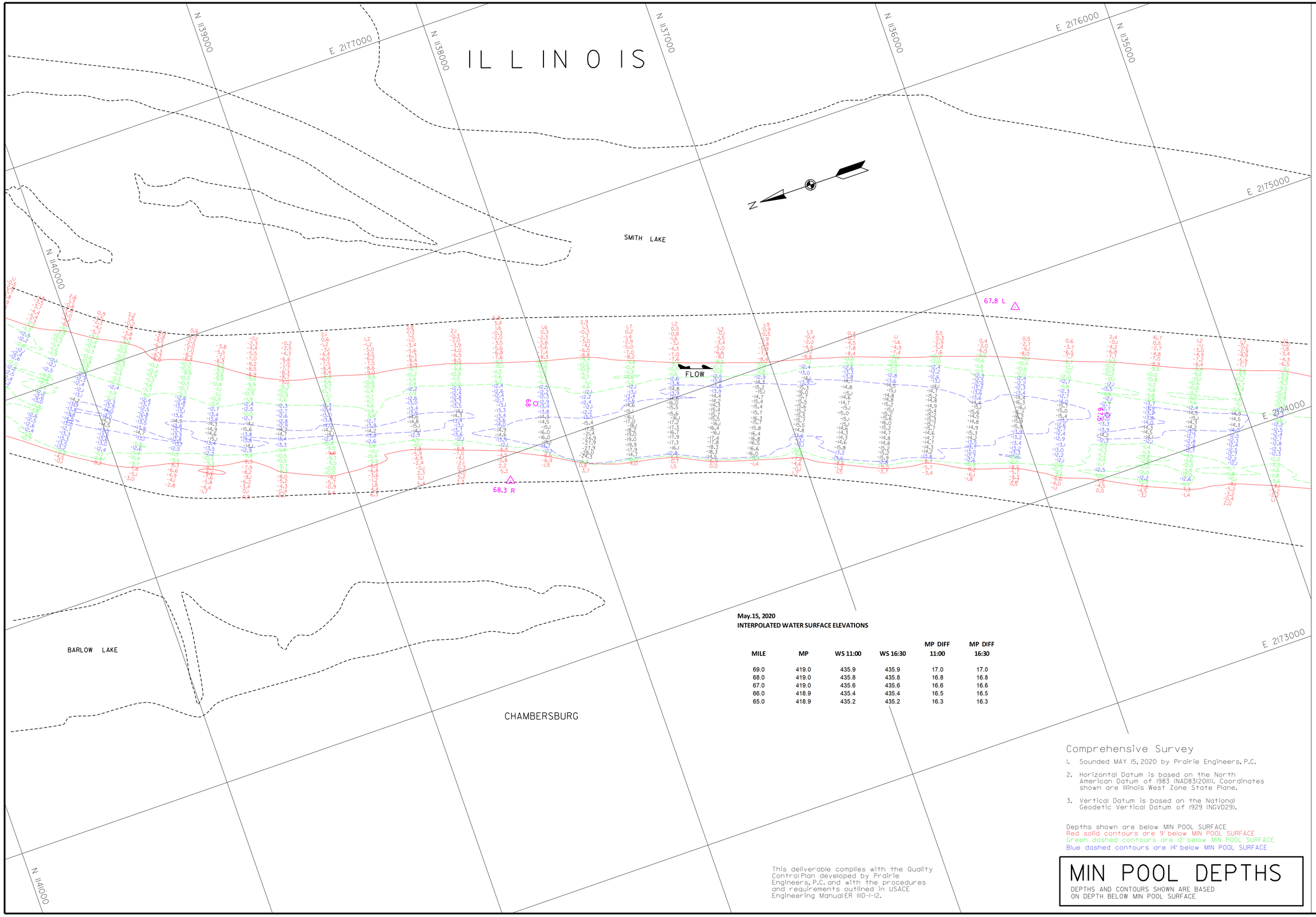
ILLINOIS RIVER

120 METERS 60 0 60 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY THE ORGANIZATIONS INDICATED AND MAY NOT REFLECT CURRENT CONDITIONS. NO GUARANTEE IS GIVEN AS TO THE ACCURACY OF THE INFORMATION SHOWN AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
II



May.15, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 11:00	WS 16:30	MP DIFF 11:00	MP DIFF 16:30
69.0	419.0	435.9	435.9	17.0	17.0
68.0	419.0	435.8	435.8	16.8	16.8
67.0	419.0	435.6	435.6	16.6	16.6
66.0	418.9	435.4	435.4	16.5	16.5
65.0	418.9	435.2	435.2	16.3	16.3

Comprehensive Survey

1. Sounded MAY 15, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN POOL		419.0	418.9
DATE	15 MAY 2020	436.3 (11:00)	434.6 (11:00)
		436.3 (16:30)	434.6 (16:30)

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: MAY 15, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht12.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

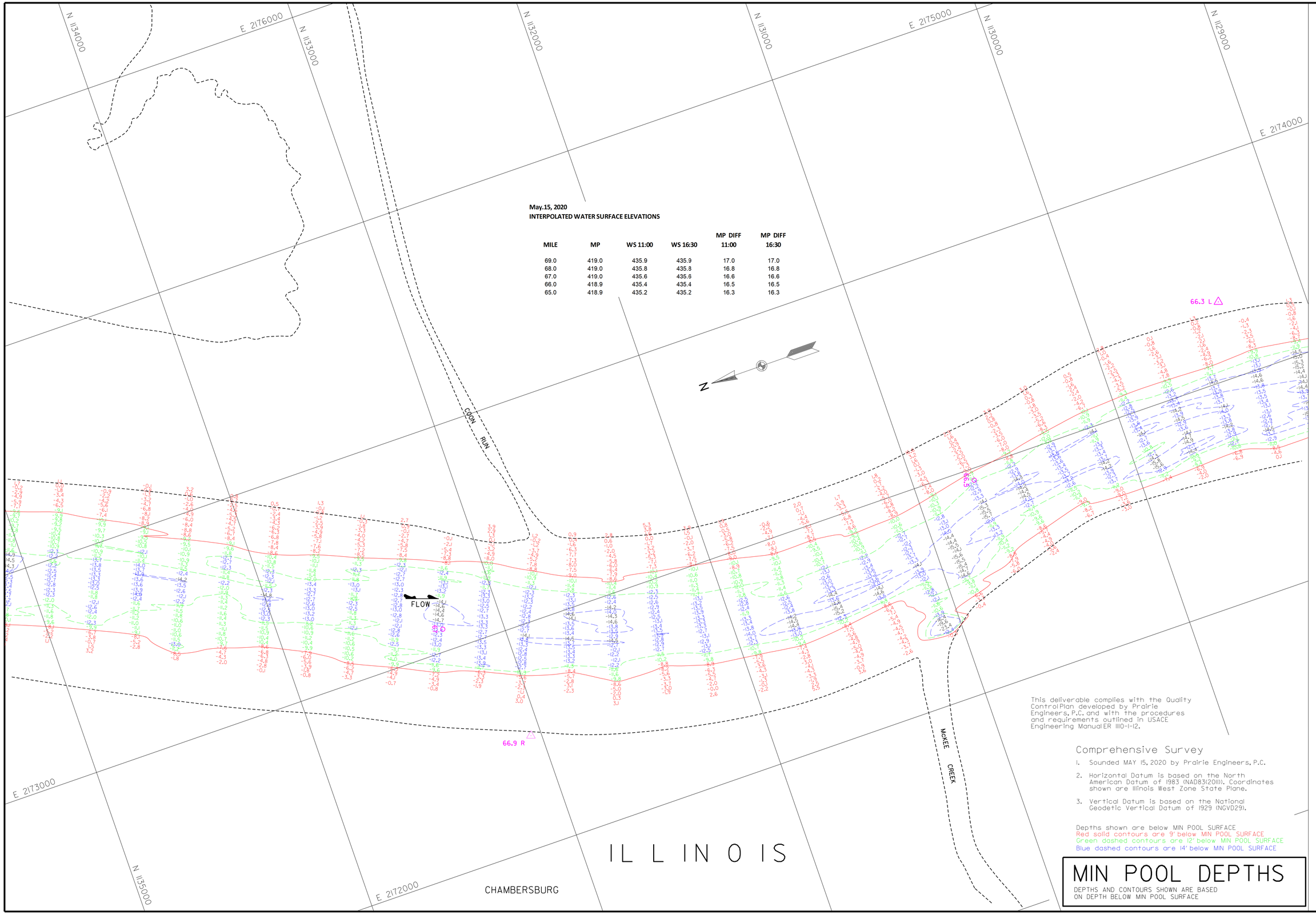
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
12



May.15, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 11:00	WS 16:30	MP DIFF 11:00	MP DIFF 16:30
69.0	419.0	435.9	435.9	17.0	17.0
68.0	419.0	435.8	435.8	16.8	16.8
67.0	419.0	435.6	435.6	16.6	16.6
66.0	418.9	435.4	435.4	16.5	16.5
65.0	418.9	435.2	435.2	16.3	16.3

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.

Comprehensive Survey

1. Sounded MAY 15, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN POOL		419.0	418.9
DATE	15 MAY 2020	436.3 (11:00)	434.6 (11:00)
		436.3 (16:30)	434.6 (16:30)

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: MAY 15, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR.080.000.mp.sht13.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
13

N 1129000
N 1128000
E 2174000
N 1127000
N 1126000
N 1125000
E 2173000
N 1124000
E 2172000
E 2171000
E 2170000
N 1130000

NAPLES
WABASH
CHAMBERSBURG
ILLINOIS

66.3 L
66.2 R
66
FLOW
AERIAL POWER LINE

May.15, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 11:00	WS 16:30	MP DIFF 11:00	MP DIFF 16:30
69.0	419.0	435.9	435.9	17.0	17.0
68.0	419.0	435.8	435.8	16.8	16.8
67.0	419.0	435.6	435.6	16.6	16.6
66.0	418.9	435.4	435.4	16.5	16.5
65.0	418.9	435.2	435.2	16.3	16.3

Comprehensive Survey

1. Sounded MAY 15, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	MERIDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN. POOL		419.0	418.9
DATE	15 MAY 2020	436.3 (1600)	434.6 (1600)
		436.3 (1630)	434.6 (1630)

ELEVATIONS ARE REFERED TO NGVD. CONTOURS ARE BELOW 1994-97 LOW WATER REFERENCE PLANE (LWRP) (SAND CUT)

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Checked by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

Survey Dates: MAY 15, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht14.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

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

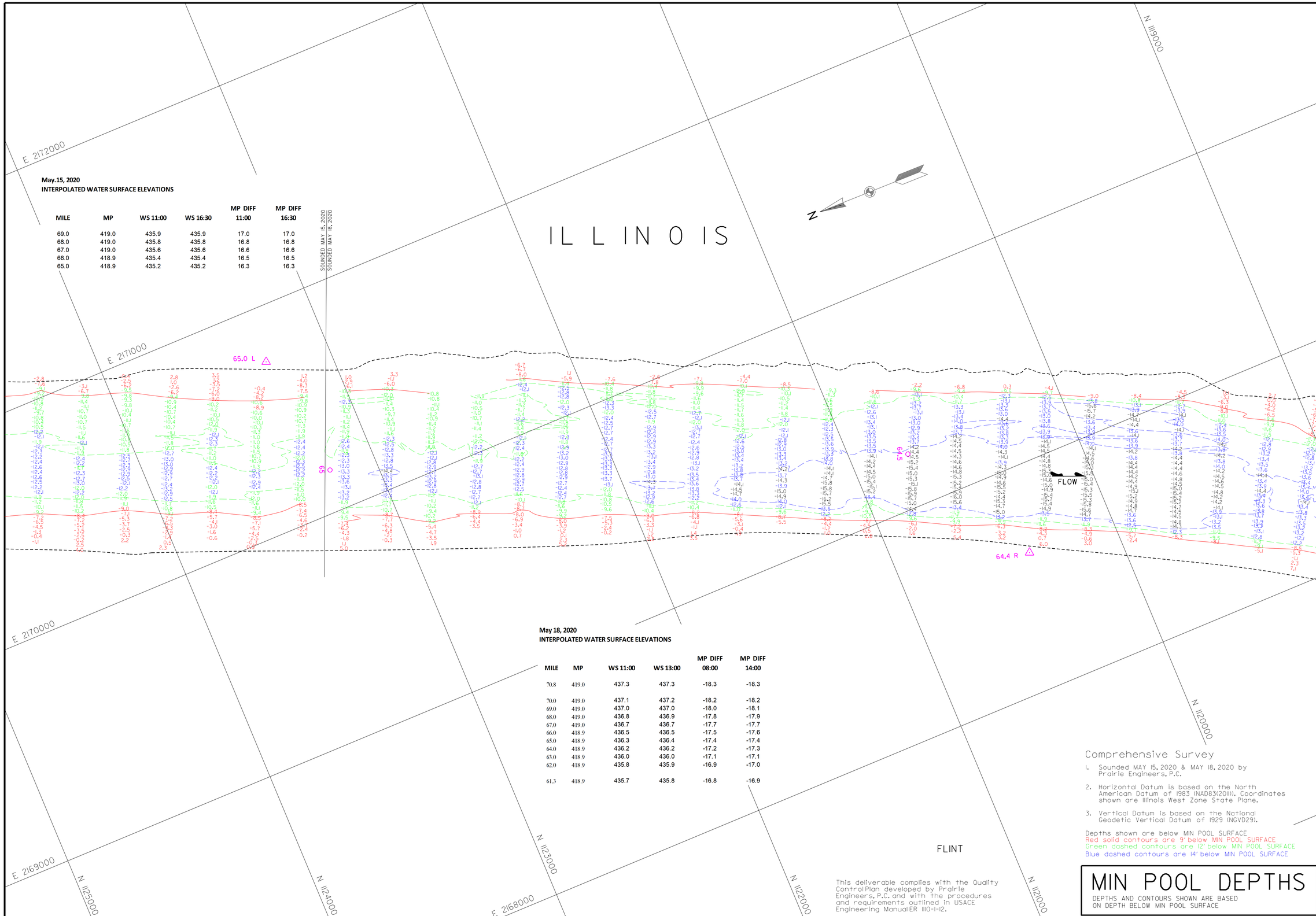
ILLINOIS RIVER BASIN
ILLINOIS RIVER

120 METERS 60 0 60
400 FEET 200 0 200

THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY THE ENGINEER AND ARE SHOWN FOR THE GUIDANCE AND INFORMATION OF THE GOVERNMENT AND ARE NOT INTENDED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
14



May.15, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 11:00	WS 16:30	MP DIFF 11:00	MP DIFF 16:30
69.0	419.0	435.9	435.9	17.0	17.0
68.0	419.0	435.8	435.8	16.8	16.8
67.0	419.0	435.6	435.6	16.6	16.6
66.0	418.9	435.4	435.4	16.5	16.5
65.0	418.9	435.2	435.2	16.3	16.3

May 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 11:00	WS 13:00	MP DIFF 08:00	MP DIFF 14:00
70.8	419.0	437.3	437.3	-18.3	-18.3
70.0	419.0	437.1	437.2	-18.2	-18.2
69.0	419.0	437.0	437.0	-18.0	-18.1
68.0	419.0	436.8	436.9	-17.8	-17.9
67.0	419.0	436.7	436.7	-17.7	-17.7
66.0	418.9	436.5	436.5	-17.5	-17.6
65.0	418.9	436.3	436.4	-17.4	-17.4
64.0	418.9	436.2	436.2	-17.2	-17.3
63.0	418.9	436.0	436.0	-17.1	-17.1
62.0	418.9	435.8	435.9	-16.9	-17.0
61.3	418.9	435.7	435.8	-16.8	-16.9

Comprehensive Survey

1. Sounded MAY 15, 2020 & MAY 18, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN POOL		419.0	418.9
DATE	18 MAY 2020	437.3 (11:00)	435.7 (11:00)
		437.3 (13:00)	435.8 (13:00)

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: MAY 15, 2020
MAY 18, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: ILR_080_000_mp_sht15.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
15

ILLINOIS

E 2170000

E 2169000

E 2168000

E 2167000

E 2166000

E 2165000

N 1114000

N 1116000

N 1117000

N 1118000

N 1119000

N 1120000

63.8 L

63.5 L

64.0

FLOW

N

May 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 11:00	WS 13:00	MP DIFF 08:00	MP DIFF 14:00
70.8	419.0	437.3	437.3	-18.3	-18.3
70.0	419.0	437.1	437.2	-18.2	-18.2
69.0	419.0	437.0	437.0	-18.0	-18.1
68.0	419.0	436.8	436.9	-17.8	-17.9
67.0	419.0	436.7	436.7	-17.7	-17.7
66.0	418.9	436.5	436.5	-17.5	-17.6
65.0	418.9	436.3	436.4	-17.4	-17.4
64.0	418.9	436.2	436.2	-17.2	-17.3
63.0	418.9	436.0	436.0	-17.1	-17.1
62.0	418.9	435.8	435.9	-16.9	-17.0
61.3	418.9	435.7	435.8	-16.8	-16.9

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.

FLINT

Comprehensive Survey

1. Sounded MAY 18, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	MERIDOSIA	VALLEY CITY	
ZERO N.G.V.D.	418.0	418.0	
MILE	70.8	61.3	
MIN. POOL	419.0	418.9	
DATE	18 MAY 2020	437.3 (1100)	435.7 (1100)
		437.3 (1500)	435.8 (1500)

ELEVATIONS ARE REFERRED TO NGVD. CONTOURS ARE BELOW 1956-ST LOW WATER REFERENCE PLANE (LWRP) (1600 CFS)

Survey Dates: MAY 18, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File names: ILR_080_000_mp_sht16.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Checked by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

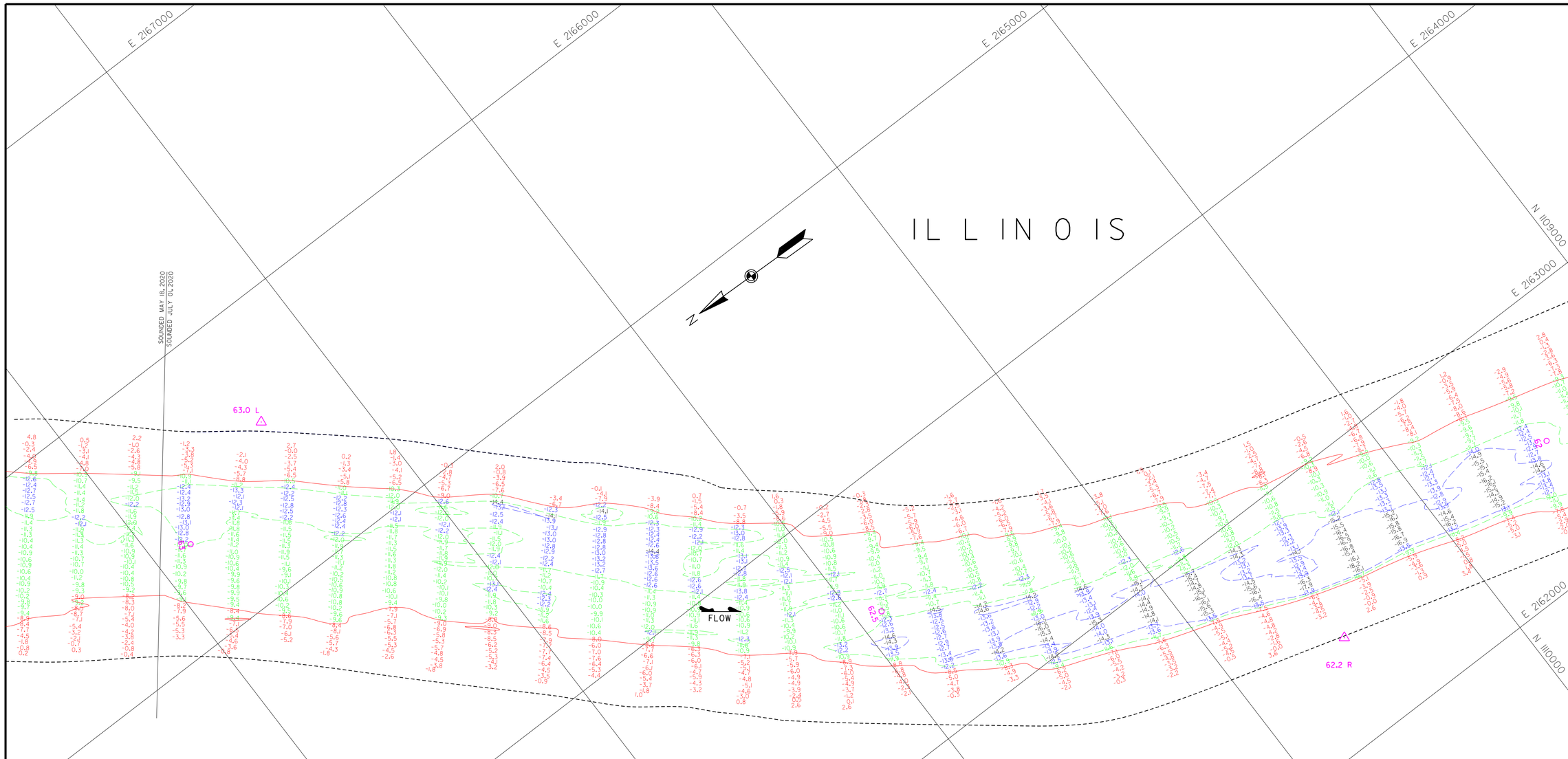
ILLINOIS RIVER BASIN
ILLINOIS RIVER

200 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY OTHERS AND IS PLOTTED AS SHOWN ON THE ORIGINAL SURVEY AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
16



May 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 11:00	WS 13:00	MP DIFF 08:00	MP DIFF 14:00
70.8	419.0	437.3	437.3	-18.3	-18.3
70.0	419.0	437.1	437.2	-18.2	-18.2
69.0	419.0	437.0	437.0	-18.0	-18.1
68.0	419.0	436.8	436.9	-17.8	-17.9
67.0	419.0	436.7	436.7	-17.7	-17.7
66.0	418.9	436.5	436.5	-17.5	-17.6
65.0	418.9	436.3	436.4	-17.4	-17.4
64.0	418.9	436.2	436.2	-17.2	-17.3
63.0	418.9	436.0	436.0	-17.1	-17.1
62.0	418.9	435.8	435.9	-16.9	-17.0
61.3	418.9	435.7	435.8	-16.8	-16.9

July. 01, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:30	WS 14:30	MP DIFF 09:30	MP DIFF 14:30
63.0	418.9	428.0	429.4	9.1	10.5
62.0	418.9	427.9	429.3	9.0	10.4
61.3	418.9	427.8	429.2	8.9	10.3
61.0	418.9	427.8	429.2	8.9	10.3
60.0	418.9	427.8	429.2	8.9	10.3
59.0	418.9	427.8	429.2	8.9	10.3
58.0	418.8	427.7	429.1	8.9	10.3
57.0	418.8	427.7	429.1	8.9	10.3
56.0	418.8	427.7	428.8	8.9	10.0
55.0	418.8	427.5	428.7	8.8	9.9
54.0	418.7	427.4	428.5	8.7	9.8

Comprehensive Survey

1. Sounded MAY 18, 2020 & JULY 1, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN POOL		419.0	418.9
DATE	01 JUL 2020	428.7 (09:30)	427.8 (09:30)
		429.9 (14:30)	429.2 (14:30)

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: MAY 18, 2020
JULY 1, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: ILR_080_000_mp_sht17.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
17

July. 01, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:30	WS 14:30	MP DIFF 09:30	MP DIFF 14:30
63.0	418.9	428.0	429.4	9.1	10.5
62.0	418.9	427.9	429.3	9.0	10.4
61.3	418.9	427.8	429.2	8.9	10.3
61.0	418.9	427.8	429.2	8.9	10.3
60.0	418.9	427.8	429.2	8.9	10.3
59.0	418.9	427.8	429.2	8.9	10.3
58.0	418.8	427.7	429.1	8.9	10.3
57.0	418.8	427.7	429.1	8.9	10.3
56.0	418.8	427.7	428.8	8.9	10.0
55.0	418.8	427.5	428.7	8.8	9.9
54.0	418.7	427.4	428.5	8.7	9.8

E 2164000
E 2163000
E 2162000
E 2161000
E 2160000
N 1104000
N 1105000
N 1106000
N 1107000
N 1108000
N 1109000
N 1110000
WABASH
ILLINOIS
VALLEY CITY
FLOW
60
61.5
61.0 R
(remove)
RR Bridge
Hurley Construct.
Aerial Trans
Centrail Ill Pub. Ser

Comprehensive Survey

1. Sounded JULY 1, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	MEREDOSIA	VALLEY CITY	FLORENCE
WATER SURFACE 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	01 JUL 2020	428.7 (09:30) 429.9 (14:30)	427.9 (09:30) 429.2 (14:30)	427.1 (09:30) 428.8 (14:30)

ELEVATIONS ARE REFERRED TO NGVD. CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (54.000 CFS)

Survey Dates: JULY 1, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht18.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Checked by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

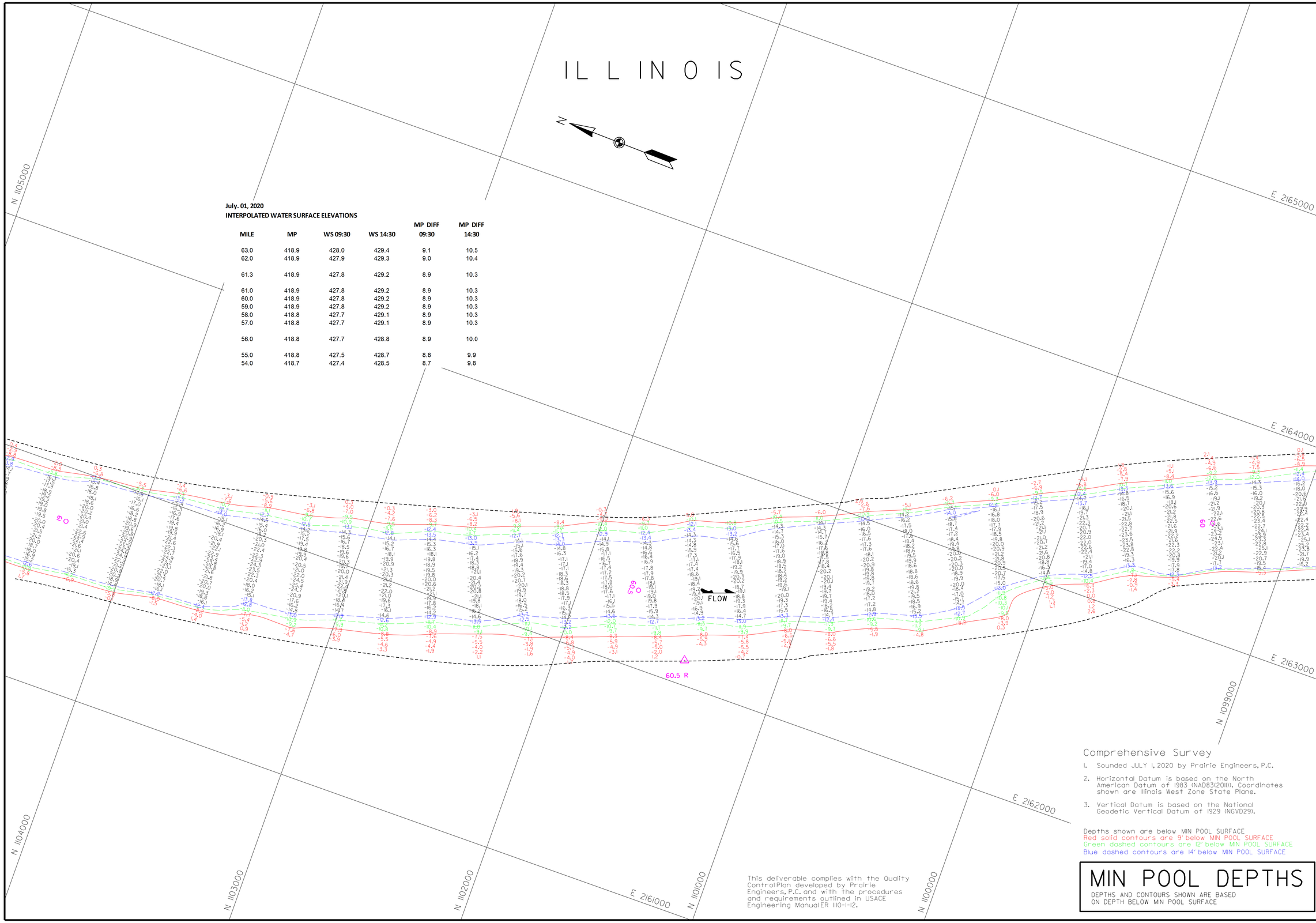
ILLINOIS RIVER BASIN
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS, TO THE BEST OF OUR KNOWLEDGE, THE CONDITIONS EXISTING AT THE TIME AND DATE SHOWN AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
18



July. 01, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:30	WS 14:30	MP DIFF 09:30	MP DIFF 14:30
63.0	418.9	428.0	429.4	9.1	10.5
62.0	418.9	427.9	429.3	9.0	10.4
61.3	418.9	427.8	429.2	8.9	10.3
61.0	418.9	427.8	429.2	8.9	10.3
60.0	418.9	427.8	429.2	8.9	10.3
59.0	418.9	427.8	429.2	8.9	10.3
58.0	418.8	427.7	429.1	8.9	10.3
57.0	418.8	427.7	429.1	8.9	10.3
56.0	418.8	427.7	428.8	8.9	10.0
55.0	418.8	427.5	428.7	8.8	9.9
54.0	418.7	427.4	428.5	8.7	9.8

Comprehensive Survey

1. Sounded JULY 1, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	VALLEY CITY	FLORENCE
ZERO N.G.V.D.		418.0	400.0
MILE		61.3	56.0
MIN POOL		418.9	418.8
DATE	01 JUL 2020	427.8 (09:30)	427.7 (09:30)
		429.2 (14:30)	428.8 (14:30)

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: JULY 1, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR.080.000.mp.sht19.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
19

Feb. 19, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 16:00	MP DIFF 10:00	MP DIFF 16:00
61.3	418.9	430.2	430.2	-11.3	-11.3
61.0	418.9	430.2	430.2	-11.3	-11.3
60.0	418.9	430.0	430.0	-11.2	-11.2
59.0	418.9	429.9	429.9	-11.0	-11.0
58.0	418.8	429.8	429.8	-10.9	-10.9
57.0	418.8	429.6	429.6	-10.8	-10.8
56.0	418.8	429.5	429.5	-10.7	-10.7
55.0	418.8	429.3	429.3	-10.5	-10.5
54.0	418.7	429.1	429.1	-10.4	-10.4
53.0	418.7	428.9	428.9	-10.2	-10.2
52.0	418.7	428.7	428.7	-10.0	-10.0
51.0	418.6	428.5	428.5	-9.9	-9.9
50.0	418.6	428.4	428.4	-9.7	-9.7
49.0	418.6	428.2	428.2	-9.6	-9.6
48.0	418.6	428.0	428.0	-9.4	-9.4
47.0	418.5	427.8	427.8	-9.3	-9.3
46.0	418.5	427.6	427.6	-9.1	-9.1
45.0	418.5	427.4	427.4	-9.0	-9.0
44.0	418.4	427.2	427.2	-8.8	-8.8
43.2	418.4	427.1	427.1	-8.7	-8.7

July. 01, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:30	WS 14:30	MP DIFF 09:30	MP DIFF 14:30
63.0	418.9	428.0	429.4	9.1	10.5
62.0	418.9	427.9	429.3	9.0	10.4
61.3	418.9	427.8	429.2	8.9	10.3
61.0	418.9	427.8	429.2	8.9	10.3
60.0	418.9	427.8	429.2	8.9	10.3
59.0	418.9	427.8	429.2	8.9	10.3
58.0	418.8	427.7	429.1	8.9	10.3
57.0	418.8	427.7	429.1	8.9	10.3
56.0	418.8	427.7	428.8	8.9	10.0
55.0	418.8	427.5	428.7	8.8	9.9
54.0	418.7	427.4	428.5	8.7	9.8

N

ILLINOIS

N 100000

E 2167000

E 2166000

E 2165000

E 2164000

E 2163000

E 2162000

N 1099000

N 1098000

N 1097000

N 1096000

N 1095000

N 1094000

SCOTT COUNTY
PUMPING STA.

SOUNDED FEBRUARY 19, 2020
SOUNDED JULY 1, 0x, 2020

Discharge pipe

FLOW

59.5 R

FLINT

Comprehensive Survey

1. Sounded FEBRUARY 19, 2020 & JULY 1, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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 ControlPlan 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	VALLEY CITY	FLORENCE
ZERO N.G.V.D.		418.0	400.0
MILE		61.3	56.0
MIN. POOL		418.9	418.8
DATE		01 JUL 2020	427.1 (09:30) 429.2 (14:30)	427.8 (09:30) 428.8 (14:30)

ELEVATIONS ARE REFERRED TO NGVD29 - CONTOURS ARE BELOW 1954-ST LOW WATER REFERENCE PLANE (LWRP) (54.000 CFS)

Survey Dates: FEBRUARY 19, 2020
JULY 1, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht20.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Chkd by: DEF
Reviewed by:
APPROVED: Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

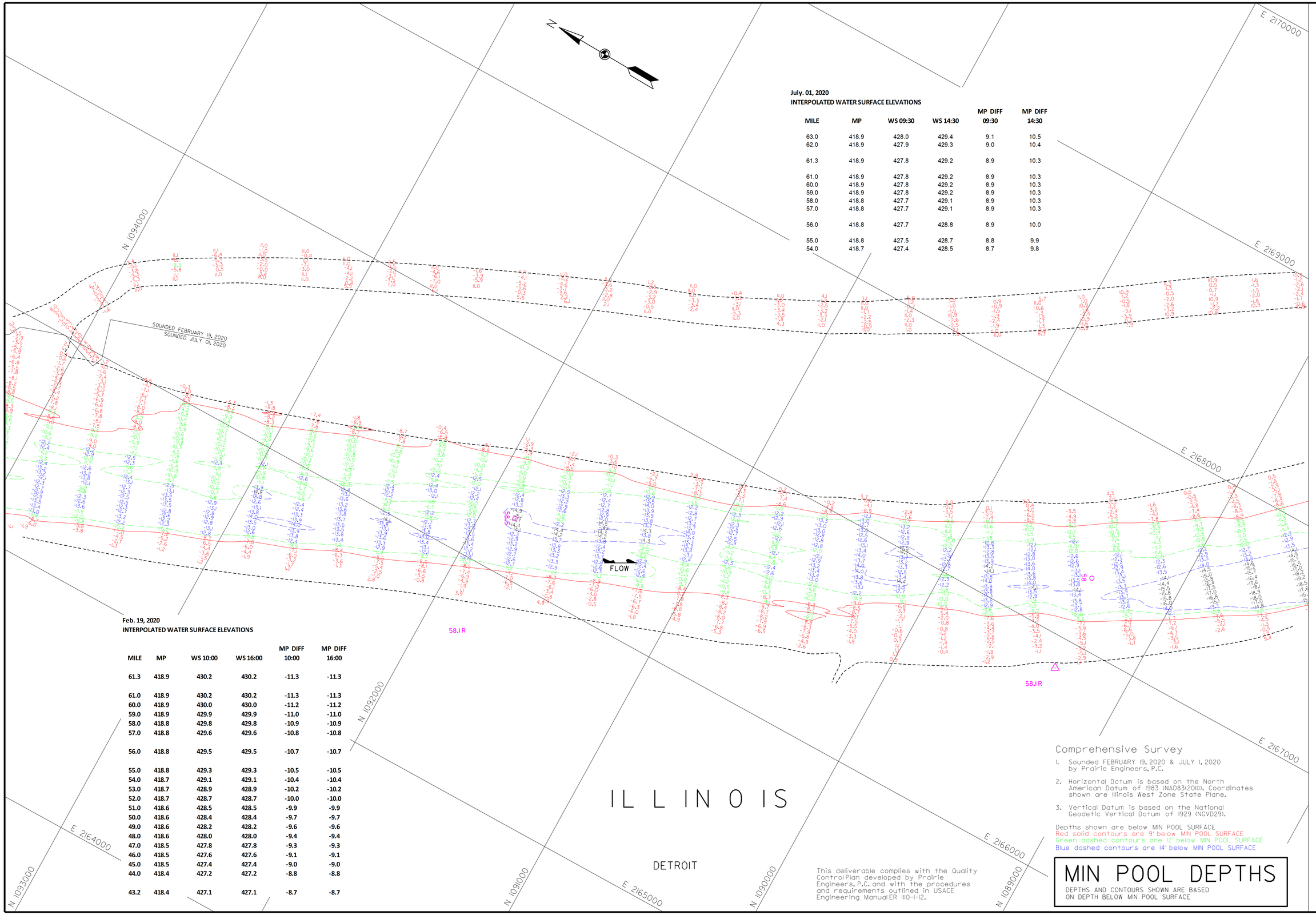
120 METERS 60 0 60 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY PRAIRIE ENGINEERS, P.C. AND IS ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER

20



July. 01, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:30	WS 14:30	MP DIFF 09:30	MP DIFF 14:30
63.0	418.9	428.0	429.4	9.1	10.5
62.0	418.9	427.9	429.3	9.0	10.4
61.3	418.9	427.8	429.2	8.9	10.3
61.0	418.9	427.8	429.2	8.9	10.3
60.0	418.9	427.8	429.2	8.9	10.3
59.0	418.9	427.8	429.2	8.9	10.3
58.0	418.8	427.7	429.1	8.9	10.3
57.0	418.8	427.7	429.1	8.9	10.3
56.0	418.8	427.7	428.8	8.9	10.0
55.0	418.8	427.5	428.7	8.8	9.9
54.0	418.7	427.4	428.5	8.7	9.8

Feb. 19, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 16:00	MP DIFF 10:00	MP DIFF 16:00
61.3	418.9	430.2	430.2	-11.3	-11.3
61.0	418.9	430.2	430.2	-11.3	-11.3
60.0	418.9	430.0	430.0	-11.2	-11.2
59.0	418.9	429.9	429.9	-11.0	-11.0
58.0	418.8	429.8	429.8	-10.9	-10.9
57.0	418.8	429.6	429.6	-10.8	-10.8
56.0	418.8	429.5	429.5	-10.7	-10.7
55.0	418.8	429.3	429.3	-10.5	-10.5
54.0	418.7	429.1	429.1	-10.4	-10.4
53.0	418.7	428.9	428.9	-10.2	-10.2
52.0	418.7	428.7	428.7	-10.0	-10.0
51.0	418.6	428.5	428.5	-9.9	-9.9
50.0	418.6	428.4	428.4	-9.7	-9.7
49.0	418.6	428.2	428.2	-9.6	-9.6
48.0	418.6	428.0	428.0	-9.4	-9.4
47.0	418.5	427.8	427.8	-9.3	-9.3
46.0	418.5	427.6	427.6	-9.1	-9.1
45.0	418.5	427.4	427.4	-9.0	-9.0
44.0	418.4	427.2	427.2	-8.8	-8.8
43.2	418.4	427.1	427.1	-8.7	-8.7

Comprehensive Survey

1. Sounded FEBRUARY 19, 2020 & JULY 1, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	VALLEY CITY	FLORENCE
ZERO N.G.V.D.		419.0	400.0
MILE		61.3	56.0
MIN. POOL		418.9	418.8
DATE	01 JUL 2020	427.8 (09:30) 429.2 (14:30)	427.7 (09:30) 428.8 (14:30)

ELEVATIONS ARE REFERED TO N.G.V.D. - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (54.000 CFS)

Survey Dates: FEBRUARY 19, 2020
JULY 1, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht2.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
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 60 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY PRAIRIE ENGINEERS AND IS INDICATIVE OF THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
21

ILLINOIS

N 1090000

N 1089000

N 1088000

N 1087000

N 1086000

N 1085000

N 1084000

E 2167000

E 2168000

E 2169000

E 2170000

E 2171000

E 2172000

SOUNDED FEBRUARY 19, 2020
SOUNDED JULY 01, 2020

FLOW

57.5

57

DETROIT

Feb. 19, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 16:00	MP DIFF 10:00	MP DIFF 16:00
61.3	418.9	430.2	430.2	-11.3	-11.3
61.0	418.9	430.2	430.2	-11.3	-11.3
60.0	418.9	430.0	430.0	-11.2	-11.2
59.0	418.9	429.9	429.9	-11.0	-11.0
58.0	418.8	429.8	429.8	-10.9	-10.9
57.0	418.8	429.6	429.6	-10.8	-10.8
56.0	418.8	429.5	429.5	-10.7	-10.7
55.0	418.8	429.3	429.3	-10.5	-10.5
54.0	418.7	429.1	429.1	-10.4	-10.4
53.0	418.7	428.9	428.9	-10.2	-10.2
52.0	418.7	428.7	428.7	-10.0	-10.0
51.0	418.6	428.5	428.5	-9.9	-9.9
50.0	418.6	428.4	428.4	-9.7	-9.7
49.0	418.6	428.2	428.2	-9.6	-9.6
48.0	418.6	428.0	428.0	-9.4	-9.4
47.0	418.5	427.8	427.8	-9.3	-9.3
46.0	418.5	427.6	427.6	-9.1	-9.1
45.0	418.5	427.4	427.4	-9.0	-9.0
44.0	418.4	427.2	427.2	-8.8	-8.8
43.2	418.4	427.1	427.1	-8.7	-8.7

July. 01, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:30	WS 14:30	MP DIFF 09:30	MP DIFF 14:30
63.0	418.9	428.0	429.4	9.1	10.5
62.0	418.9	427.9	429.3	9.0	10.4
61.3	418.9	427.8	429.2	8.9	10.3
61.0	418.9	427.8	429.2	8.9	10.3
60.0	418.9	427.8	429.2	8.9	10.3
59.0	418.9	427.8	429.2	8.9	10.3
58.0	418.8	427.7	429.1	8.9	10.3
57.0	418.8	427.7	429.1	8.9	10.3
56.0	418.8	427.7	428.8	8.9	10.0
55.0	418.8	427.5	428.7	8.8	9.9
54.0	418.7	427.4	428.5	8.7	9.8

Comprehensive Survey

1. Sounded FEBRUARY 19, 2020 & JULY 1, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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 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

	VALLEY CITY	FLORENCE
WATER SURFACE		
ZERO N.G.V.D.	418.0	400.0
MILE	61.3	56.0
MIN. POOL	418.9	418.8
DATE		
01 JUL 2020	427.8 (09:30)	427.7 (09:30)
	429.2 (14:30)	428.8 (14:30)

ELEVATIONS ARE REFERRED TO NGVD29 - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (54.000 CFS)

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

Survey Dates: FEBRUARY 19, 2020
JULY 1, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File names: ILR_080_000_mp_sht22.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

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

ILLINOIS RIVER BASIN

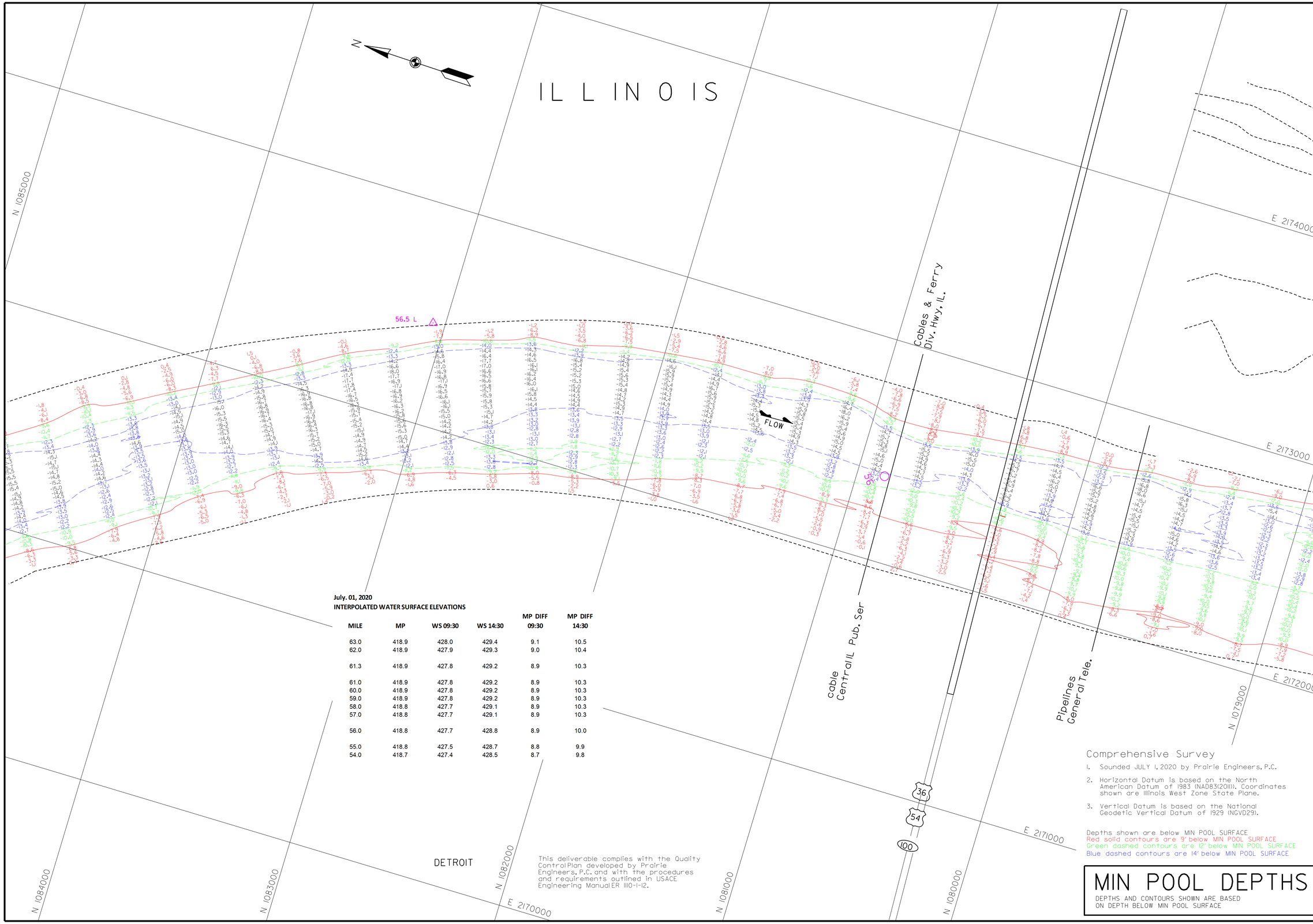
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY PRAIRIE ENGINEERS, INC. AND SHOWS THE CONDITIONS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
22



July. 01, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:30	WS 14:30	MP DIFF 09:30	MP DIFF 14:30
63.0	418.9	428.0	429.4	9.1	10.5
62.0	418.9	427.9	429.3	9.0	10.4
61.3	418.9	427.8	429.2	8.9	10.3
61.0	418.9	427.8	429.2	8.9	10.3
60.0	418.9	427.8	429.2	8.9	10.3
59.0	418.9	427.8	429.2	8.9	10.3
58.0	418.8	427.7	429.1	8.9	10.3
57.0	418.8	427.7	429.1	8.9	10.3
56.0	418.8	427.7	428.8	8.9	10.0
55.0	418.8	427.5	428.7	8.8	9.9
54.0	418.7	427.4	428.5	8.7	9.8

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.

Comprehensive Survey

1. Sounded JULY 1, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	VALLEY CITY	FLORENCE	PEARL
ZERO N.G.V.D.		418.0	400.0	400.0
MILE		61.3	56.0	43.2
MIN POOL		418.9	418.8	418.4
DATE	01 JUL 2020	427.8 (09:30)	427.7 (09:30)	XXX.X (XX:XX)
		429.2 (14:30)	428.8 (14:30)	XXX.X (XX:XX)

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: JULY 1, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: $FILE$
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

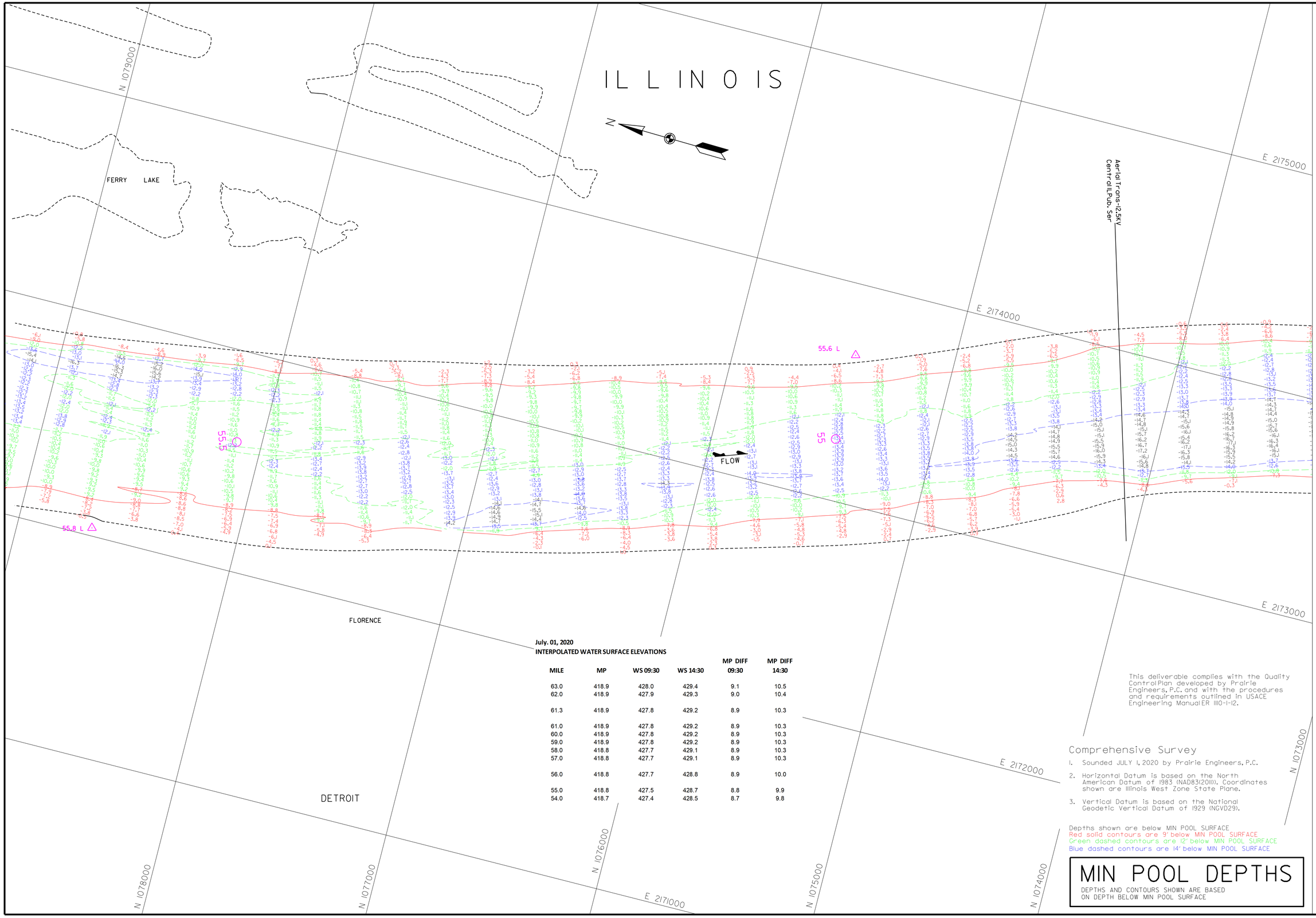
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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.

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
23



July. 01, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:30	WS 14:30	MP DIFF 09:30	MP DIFF 14:30
63.0	418.9	428.0	429.4	9.1	10.5
62.0	418.9	427.9	429.3	9.0	10.4
61.3	418.9	427.8	429.2	8.9	10.3
61.0	418.9	427.8	429.2	8.9	10.3
60.0	418.9	427.8	429.2	8.9	10.3
59.0	418.9	427.8	429.2	8.9	10.3
58.0	418.8	427.7	429.1	8.9	10.3
57.0	418.8	427.7	429.1	8.9	10.3
56.0	418.8	427.7	428.8	8.9	10.0
55.0	418.8	427.5	428.7	8.8	9.9
54.0	418.7	427.4	428.5	8.7	9.8

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.

Comprehensive Survey

1. Sounded JULY 1, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	01 JUL 2020	427.7 (09:30)	426.0 (09:30)
		428.8 (14:30)	427.3 (14:30)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1954-57 LOW WATER REFERENCE PLANE (L.W.R.P.)(54,000 C.F.S.)

Survey Date: JULY 1, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht24.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

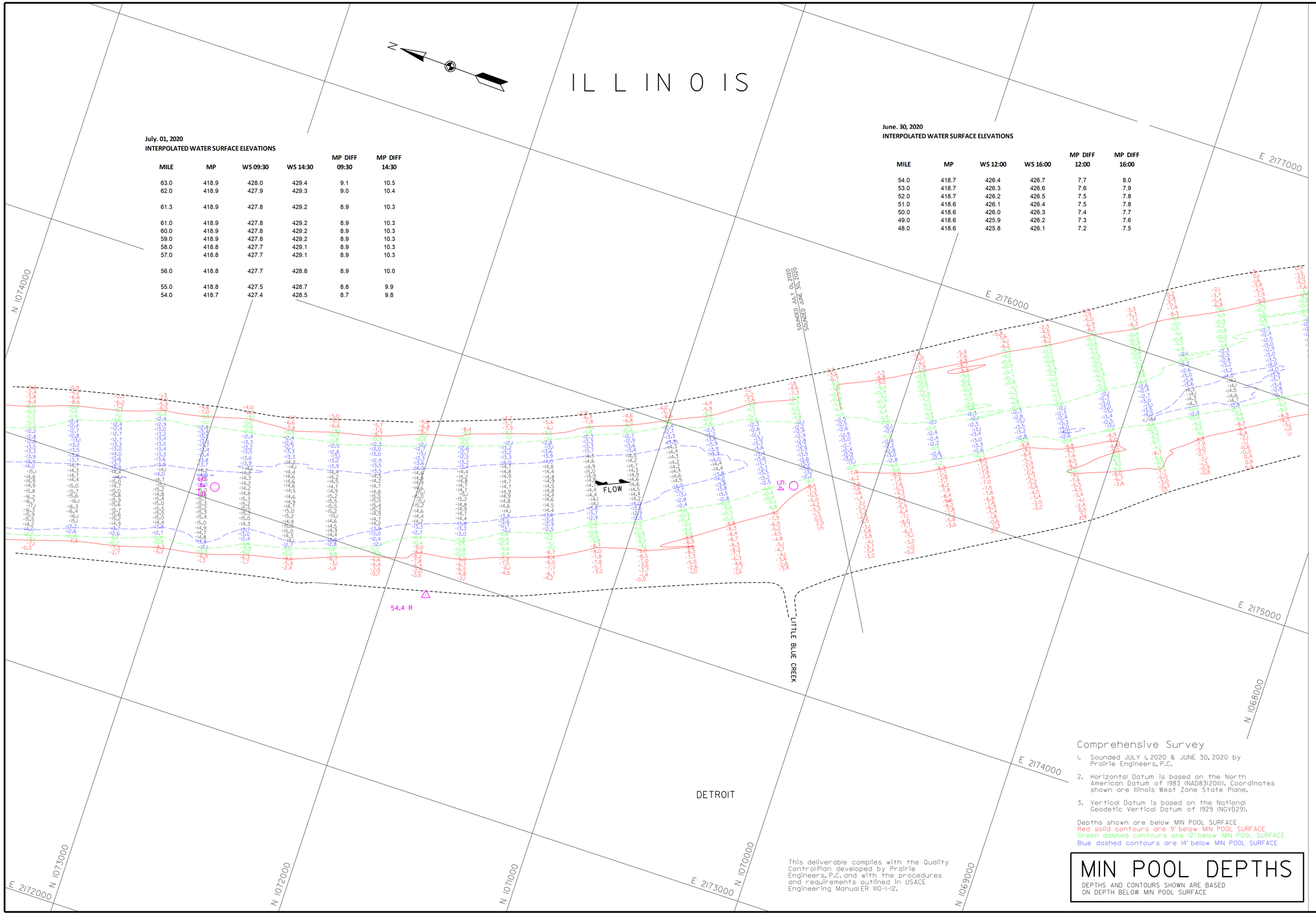
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
24



July. 01, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:30	WS 14:30	MP DIFF 09:30	MP DIFF 14:30
63.0	418.9	428.0	429.4	9.1	10.5
62.0	418.9	427.9	429.3	9.0	10.4
61.3	418.9	427.8	429.2	8.9	10.3
61.0	418.9	427.8	429.2	8.9	10.3
60.0	418.9	427.8	429.2	8.9	10.3
59.0	418.9	427.8	429.2	8.9	10.3
58.0	418.8	427.7	429.1	8.9	10.3
57.0	418.8	427.7	429.1	8.9	10.3
56.0	418.8	427.7	428.8	8.9	10.0
55.0	418.8	427.5	428.7	8.8	9.9
54.0	418.7	427.4	428.5	8.7	9.8

June. 30, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 16:00	MP DIFF 12:00	MP DIFF 16:00
54.0	418.7	426.4	426.7	7.7	8.0
53.0	418.7	426.3	426.6	7.6	7.9
52.0	418.7	426.2	426.5	7.5	7.8
51.0	418.6	426.1	426.4	7.5	7.8
50.0	418.6	426.0	426.3	7.4	7.7
49.0	418.6	425.9	426.2	7.3	7.6
48.0	418.6	425.8	426.1	7.2	7.5

Comprehensive Survey

1. Sounded JULY 1, 2020 & JUNE 30, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	01 JUL 2020	427.7 (09:30)	426.0 (09:30)
		428.8 (14:30)	427.3 (14:30)

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: JULY 1, 2020
JUNE 30, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: ILR.080.000.mp.sht25.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

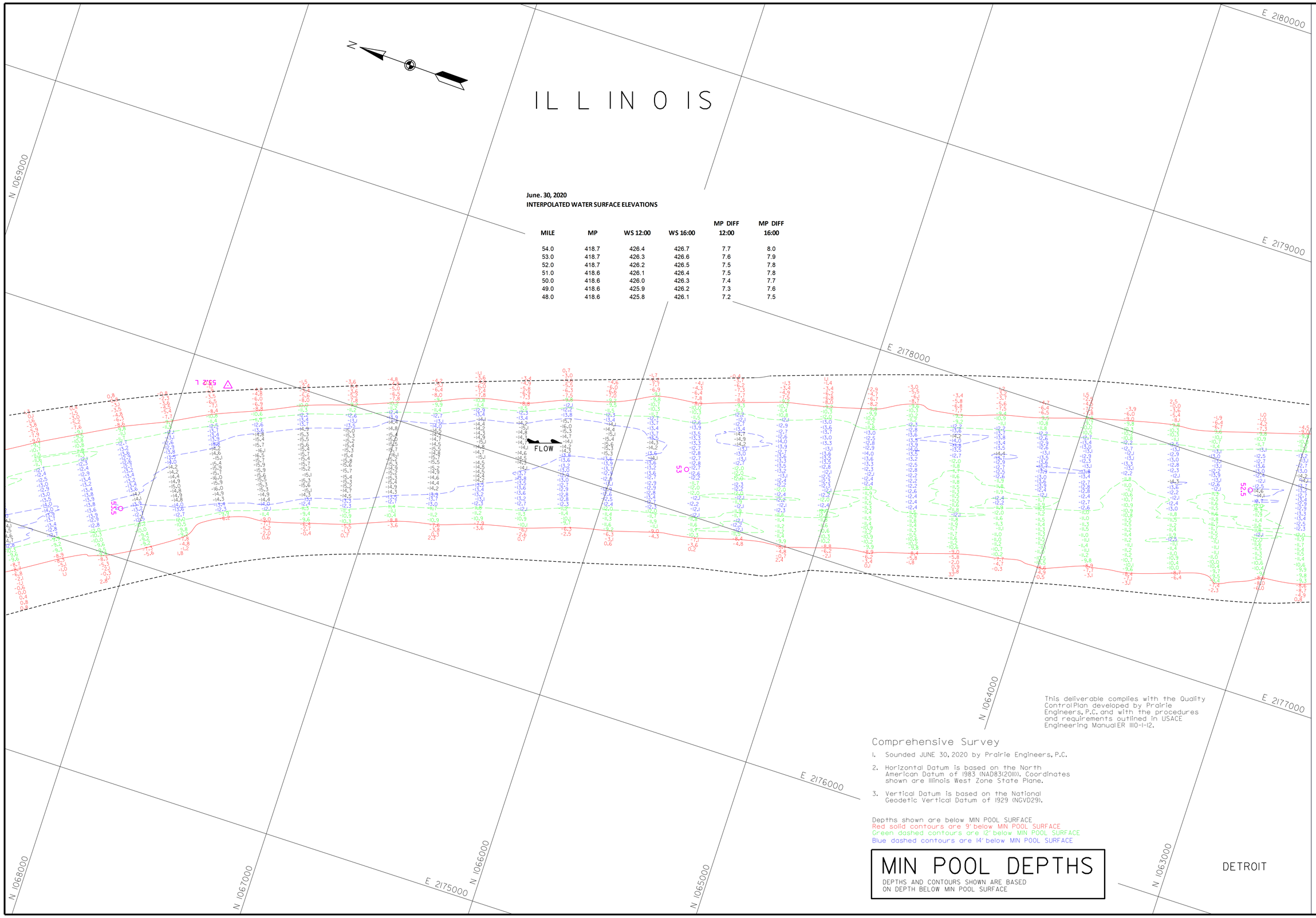
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
25



June. 30, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 16:00	MP DIFF 12:00	MP DIFF 16:00
54.0	418.7	426.4	426.7	7.7	8.0
53.0	418.7	426.3	426.6	7.6	7.9
52.0	418.7	426.2	426.5	7.5	7.8
51.0	418.6	426.1	426.4	7.5	7.8
50.0	418.6	426.0	426.3	7.4	7.7
49.0	418.6	425.9	426.2	7.3	7.6
48.0	418.6	425.8	426.1	7.2	7.5

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.

Comprehensive Survey

1. Sounded JUNE 30, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	FLORENCE	PEARL
ZERO N.G.V.D.	400.0	400.0
MILE	56.0	43.2
MIN POOL	418.8	418.4
DATE	30 JUN 2020	426.7 (12:00) 425.2 (12:00) 427.0 (16:00) 425.3 (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: JUNE 30, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR.080.000.mp.sht26.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

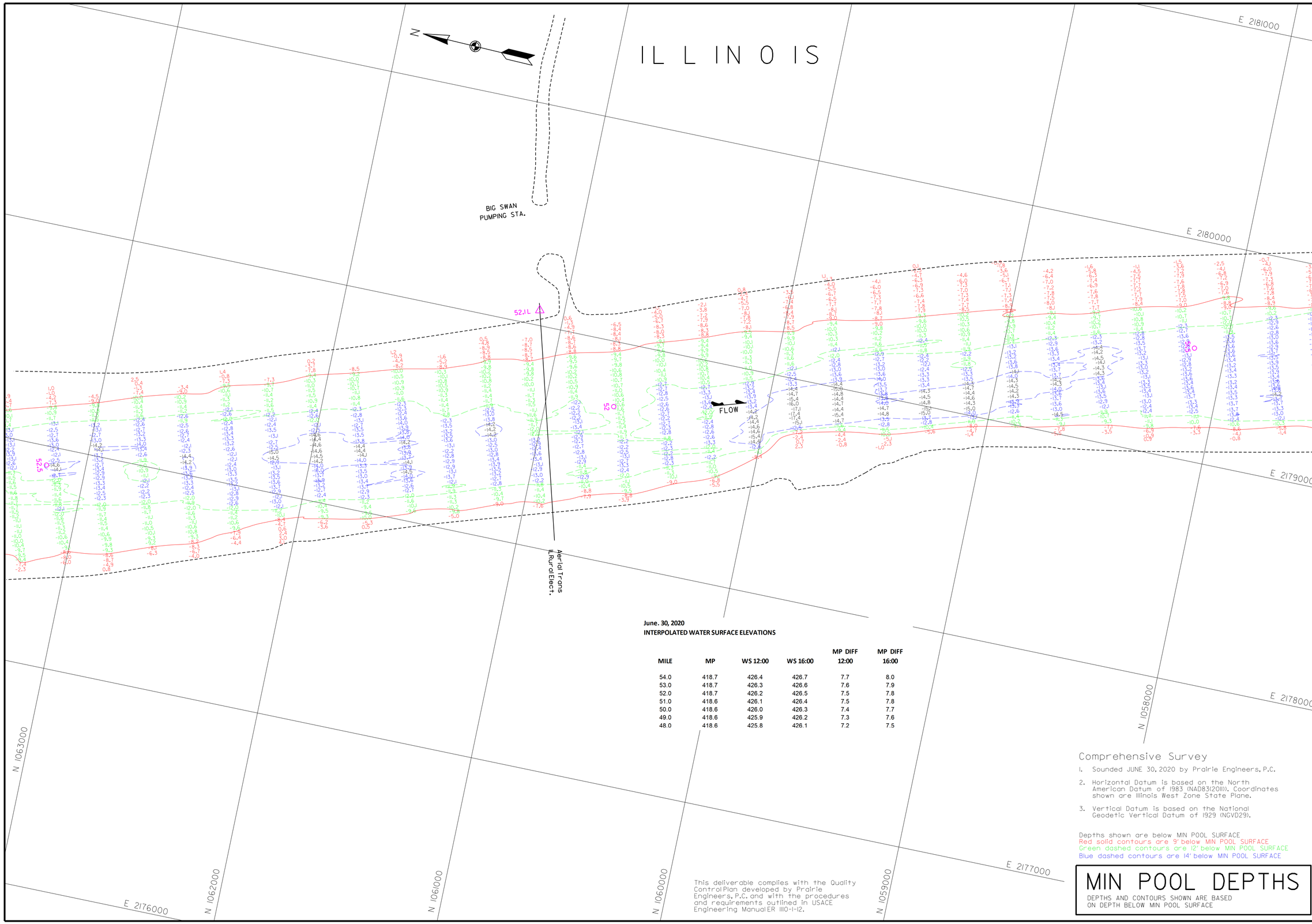
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
26



June. 30, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 16:00	MP DIFF 12:00	MP DIFF 16:00
54.0	418.7	426.4	426.7	7.7	8.0
53.0	418.7	426.3	426.6	7.6	7.9
52.0	418.7	426.2	426.5	7.5	7.8
51.0	418.6	426.1	426.4	7.5	7.8
50.0	418.6	426.0	426.3	7.4	7.7
49.0	418.6	425.9	426.2	7.3	7.6
48.0	418.6	425.8	426.1	7.2	7.5

Comprehensive Survey

1. Sounded JUNE 30, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	30 JUN 2020	426.7 (12:00)	425.2 (12:00)
		427.0 (16:00)	425.3 (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: JUNE 30, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht27.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

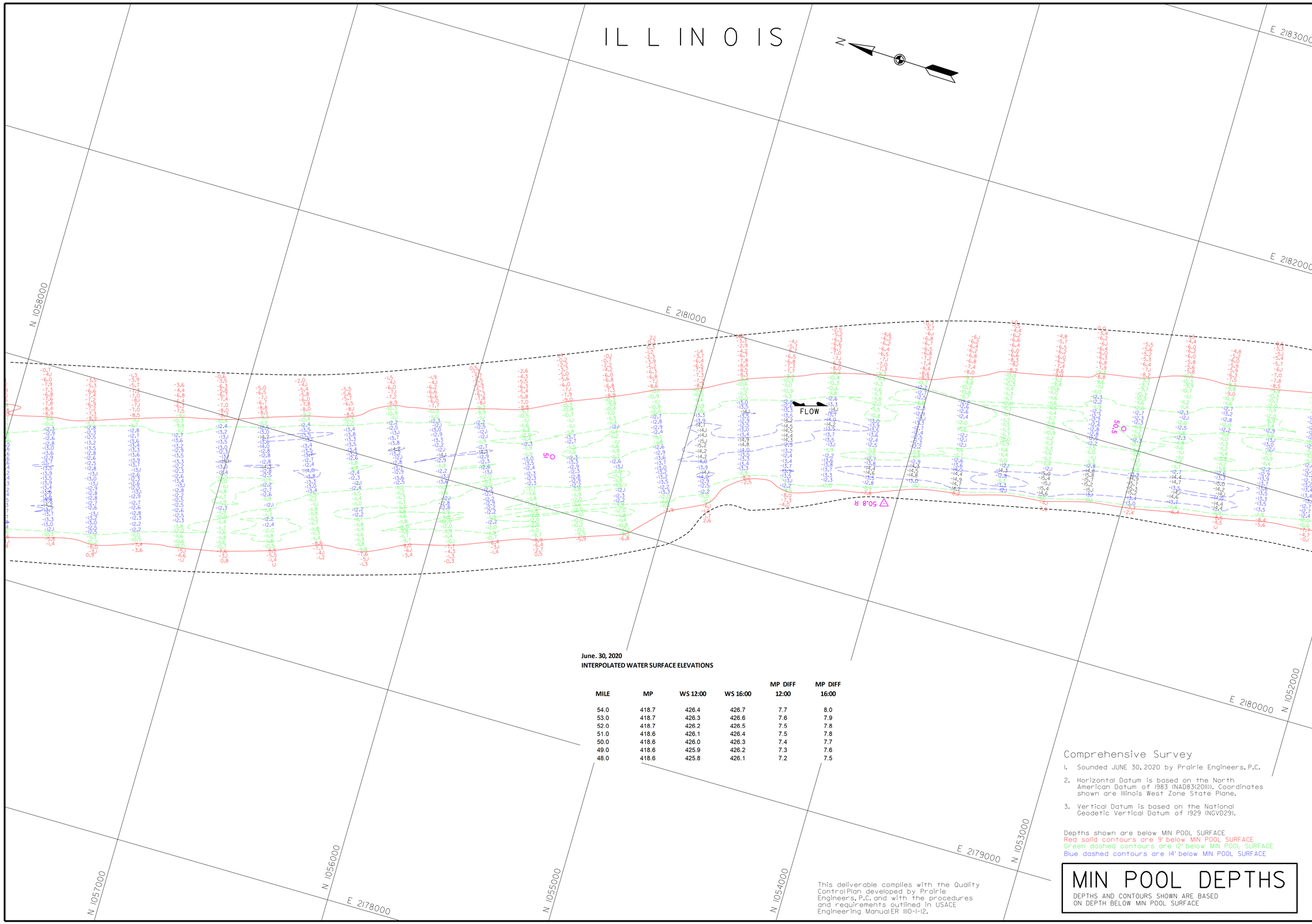
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
27



June. 30, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 16:00	MP DIFF 12:00	MP DIFF 16:00
54.0	418.7	426.4	426.7	7.7	8.0
53.0	418.7	426.3	426.6	7.6	7.9
52.0	418.7	426.2	426.5	7.5	7.8
51.0	418.6	426.1	426.4	7.5	7.8
50.0	418.6	426.0	426.3	7.4	7.7
49.0	418.6	425.9	426.2	7.3	7.6
48.0	418.6	425.8	426.1	7.2	7.5

Comprehensive Survey

1. Sounded JUNE 30, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	30 JUN 2020	426.7 (12:00)	425.2 (12:00)
		427.0 (16:00)	425.3 (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: JUNE 30, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht28.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
28

N 1052000 N 1051000 N 1050000 N 1049000 N 1048000 N 1047000

E 2183000 E 2182000 E 2181000 E 2180000

ILLINOIS

Feb. 19, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 16:00	MP DIFF 10:00	MP DIFF 16:00
61.3	418.9	430.2	430.2	-11.3	-11.3
61.0	418.9	430.2	430.2	-11.3	-11.3
60.0	418.9	430.0	430.0	-11.2	-11.2
59.0	418.9	429.9	429.9	-11.0	-11.0
58.0	418.8	429.8	429.8	-10.9	-10.9
57.0	418.8	429.6	429.6	-10.8	-10.8
56.0	418.8	429.5	429.5	-10.7	-10.7
55.0	418.8	429.3	429.3	-10.5	-10.5
54.0	418.7	429.1	429.1	-10.4	-10.4
53.0	418.7	428.9	428.9	-10.2	-10.2
52.0	418.7	428.7	428.7	-10.0	-10.0
51.0	418.6	428.5	428.5	-9.9	-9.9
50.0	418.6	428.4	428.4	-9.7	-9.7
49.0	418.6	428.2	428.2	-9.6	-9.6
48.0	418.6	428.0	428.0	-9.4	-9.4
47.0	418.5	427.8	427.8	-9.3	-9.3
46.0	418.5	427.6	427.6	-9.1	-9.1
45.0	418.5	427.4	427.4	-9.0	-9.0
44.0	418.4	427.2	427.2	-8.8	-8.8
43.2	418.4	427.1	427.1	-8.7	-8.7

June. 30, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 16:00	MP DIFF 12:00	MP DIFF 16:00
54.0	418.7	426.4	426.7	7.7	8.0
53.0	418.7	426.3	426.6	7.6	7.9
52.0	418.7	426.2	426.5	7.5	7.8
51.0	418.6	426.1	426.4	7.5	7.8
50.0	418.6	426.0	426.3	7.4	7.7
49.0	418.6	425.9	426.2	7.3	7.6
48.0	418.6	425.8	426.1	7.2	7.5

SANDY CREEK

SOUNDED FEBRUARY 19, 2020
SOUNDED JUNE 30, 2020

49.8 L

FLOW

50

PANHANDLE EASTERN
5-10" PIPE LINES
PLUS 3 OTHER PIPELINES

PANHANDLE EASTERN
4-12" PIPE LINES
EL. 400'+/- IN CHANNEL

MONTEZUMA

Comprehensive Survey

1. Sounded FEBRUARY 19, 2020 & JUNE 30, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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

	FLORENCE	PEARL
WATER SURFACE ZERO N.G.V.D.	400.0	400.0
MILE	56.0	43.2
MIN. POOL	48.8	48.4
DATE	30 JUN 2020	425.2 1100	425.1 1600	425.3 1600
	426.7 1200	427.0 1600

ELEVATIONS ARE REFERRED TO NGVD. CONTOURS ARE BELOW 1954-ST LOW WATER REFERENCE PLANE (LWRP) (54.000 CFS)

Survey Dates: FEBRUARY 19, 2020
JUNE 30, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht29.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED: Chief, Geospatial Branch

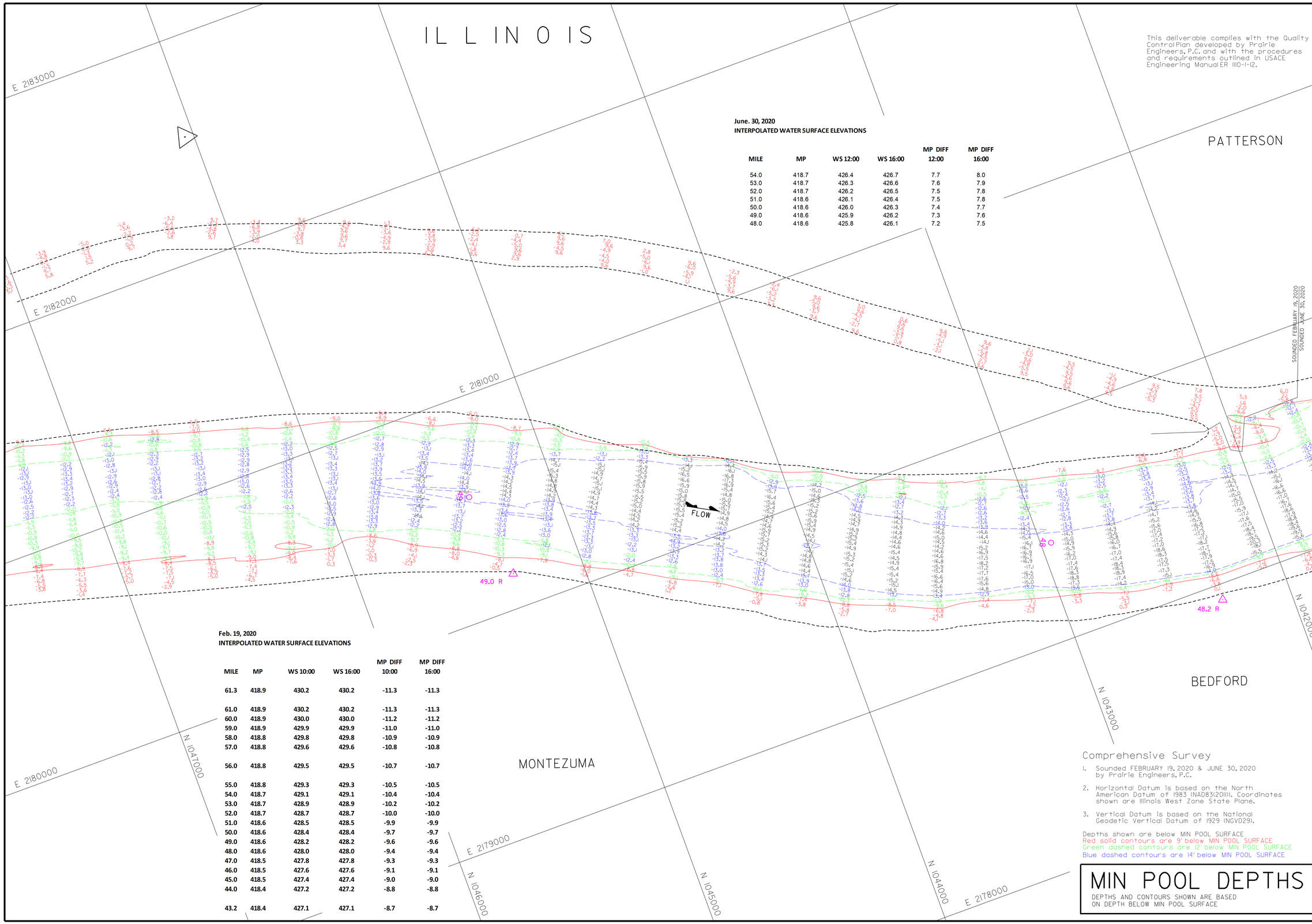
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER BASIN
ILLINOIS RIVER

200 0 0 200 400 FEET
60 0 0 60 120 METERS
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY THE ST. LOUIS DISTRICT AND IS ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
29



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.

June. 30, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 16:00	MP DIFF 12:00	MP DIFF 16:00
54.0	418.7	426.4	426.7	7.7	8.0
53.0	418.7	426.3	426.6	7.6	7.9
52.0	418.7	426.2	426.5	7.5	7.8
51.0	418.6	426.1	426.4	7.5	7.8
50.0	418.6	426.0	426.3	7.4	7.7
49.0	418.6	425.9	426.2	7.3	7.6
48.0	418.6	425.8	426.1	7.2	7.5

Feb. 19, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 16:00	MP DIFF 10:00	MP DIFF 16:00
61.3	418.9	430.2	430.2	-11.3	-11.3
61.0	418.9	430.2	430.2	-11.3	-11.3
60.0	418.9	430.0	430.0	-11.2	-11.2
59.0	418.9	429.9	429.9	-11.0	-11.0
58.0	418.8	429.8	429.8	-10.9	-10.9
57.0	418.8	429.6	429.6	-10.8	-10.8
56.0	418.8	429.5	429.5	-10.7	-10.7
55.0	418.8	429.3	429.3	-10.5	-10.5
54.0	418.7	429.1	429.1	-10.4	-10.4
53.0	418.7	428.9	428.9	-10.2	-10.2
52.0	418.7	428.7	428.7	-10.0	-10.0
51.0	418.6	428.5	428.5	-9.9	-9.9
50.0	418.6	428.4	428.4	-9.7	-9.7
49.0	418.6	428.2	428.2	-9.6	-9.6
48.0	418.6	428.0	428.0	-9.4	-9.4
47.0	418.5	427.8	427.8	-9.3	-9.3
46.0	418.5	427.6	427.6	-9.1	-9.1
45.0	418.5	427.4	427.4	-9.0	-9.0
44.0	418.4	427.2	427.2	-8.8	-8.8
43.2	418.4	427.1	427.1	-8.7	-8.7

Comprehensive Survey

1. Sounded FEBRUARY 19, 2020 & JUNE 30, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	FLORENCE	PEARL
ZERO N.G.V.D.	400.0	400.0
MILE	56.0	43.2
MIN POOL	418.8	418.4
DATE	30 JUN 2020 426.7 (12:00)	425.2 (12:00)
	427.0 (16:00)	425.3 (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: FEBRUARY 19, 2020
JUNE 30, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: ILR_080_000_mp_sht30.dgn

Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
30

ILLINOIS

PATTERSON

MONTEZUMA

N

E 2181000

E 2180000

E 2179000

E 2178000

N 1042000

N 1041000

N 1040000

N 1039000

N 1038000

N 1037000

SOUNDED FEBRUARY 19, 2020
SOUNDED JUNE 30, 2020

SOUNDED JUNE 30, 2020
SOUNDED JUNE 26, 2020

FLOW

47.5 L

47.5

48.0

Feb. 19, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 16:00	MP DIFF 10:00	MP DIFF 16:00
61.3	418.9	430.2	430.2	-11.3	-11.3
61.0	418.9	430.2	430.2	-11.3	-11.3
60.0	418.9	430.0	430.0	-11.2	-11.2
59.0	418.9	429.9	429.9	-11.0	-11.0
58.0	418.8	429.8	429.8	-10.9	-10.9
57.0	418.8	429.6	429.6	-10.8	-10.8
56.0	418.8	429.5	429.5	-10.7	-10.7
55.0	418.8	429.3	429.3	-10.5	-10.5
54.0	418.7	429.1	429.1	-10.4	-10.4
53.0	418.7	428.9	428.9	-10.2	-10.2
52.0	418.7	428.7	428.7	-10.0	-10.0
51.0	418.6	428.5	428.5	-9.9	-9.9
50.0	418.6	428.4	428.4	-9.7	-9.7
49.0	418.6	428.2	428.2	-9.6	-9.6
48.0	418.6	428.0	428.0	-9.4	-9.4
47.0	418.5	427.8	427.8	-9.3	-9.3
46.0	418.5	427.6	427.6	-9.1	-9.1
45.0	418.5	427.4	427.4	-9.0	-9.0
44.0	418.4	427.2	427.2	-8.8	-8.8
43.2	418.4	427.1	427.1	-8.7	-8.7

June. 26, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 14:00	MP DIFF 10:00	MP DIFF 14:00
48.0	418.6	425.8	425.8	7.2	7.3
47.0	418.5	425.6	425.7	7.1	7.1
46.0	418.5	425.4	425.5	7.0	7.0
45.0	418.5	425.3	425.3	6.8	6.9
44.0	418.4	425.1	425.2	6.7	6.8
43.2	418.4	425.0	425.0	6.6	6.6
43.0	418.4	425.0	425.0	6.6	6.6

June. 30, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 16:00	MP DIFF 12:00	MP DIFF 16:00
54.0	418.7	426.4	426.7	7.7	8.0
53.0	418.7	426.3	426.6	7.6	7.9
52.0	418.7	426.2	426.5	7.5	7.8
51.0	418.6	426.1	426.4	7.5	7.8
50.0	418.6	426.0	426.3	7.4	7.7
49.0	418.6	425.9	426.2	7.3	7.6
48.0	418.6	425.8	426.1	7.2	7.5

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.

Comprehensive Survey

1. Sounded FEBRUARY 19, 2020, JUNE 26, 2020 & JUNE 30, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	FLORENCE	PEARL	
ZERO N.G.V.D.	400.0	400.0	
MILE	56.0	43.2	
MIN. POOL	418.8	418.4	
DATE	26 JUN 2020	427.1 (10:00)	425.0 (10:00)
		427.1 (14:00)	425.0 (14:00)

ELEVATIONS ARE REFERRED TO NGVD. CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (SEE DWG. C-5.1)

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:

Survey Dates: FEBRUARY 19, 2020
JUNE 26, 2020
JUNE 30, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: ILR_080_000_mp_sht3.dgn

APPROVED:

Plot date: 7/15/2020
Plot scale: 1" = 200'

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

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

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY PRAIRIE ENGINEERS, P.C. AND IS CORRECT AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER

31

Feb. 19, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 16:00	MP DIFF 10:00	MP DIFF 16:00
61.3	418.9	430.2	430.2	-11.3	-11.3
61.0	418.9	430.2	430.2	-11.3	-11.3
60.0	418.9	430.0	430.0	-11.2	-11.2
59.0	418.9	429.9	429.9	-11.0	-11.0
58.0	418.8	429.8	429.8	-10.9	-10.9
57.0	418.8	429.6	429.6	-10.8	-10.8
56.0	418.8	429.5	429.5	-10.7	-10.7
55.0	418.8	429.3	429.3	-10.5	-10.5
54.0	418.7	429.1	429.1	-10.4	-10.4
53.0	418.7	428.9	428.9	-10.2	-10.2
52.0	418.7	428.7	428.7	-10.0	-10.0
51.0	418.6	428.5	428.5	-9.9	-9.9
50.0	418.6	428.4	428.4	-9.7	-9.7
49.0	418.6	428.2	428.2	-9.6	-9.6
48.0	418.6	428.0	428.0	-9.4	-9.4
47.0	418.5	427.8	427.8	-9.3	-9.3
46.0	418.5	427.6	427.6	-9.1	-9.1
45.0	418.5	427.4	427.4	-9.0	-9.0
44.0	418.4	427.2	427.2	-8.8	-8.8
43.2	418.4	427.1	427.1	-8.7	-8.7

June. 26, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 14:00	MP DIFF 10:00	MP DIFF 14:00
48.0	418.6	425.8	425.8	7.2	7.3
47.0	418.5	425.6	425.7	7.1	7.1
46.0	418.5	425.4	425.5	7.0	7.0
45.0	418.5	425.3	425.3	6.8	6.9
44.0	418.4	425.1	425.2	6.7	6.8
43.2	418.4	425.0	425.0	6.6	6.6
43.0	418.4	425.0	425.0	6.6	6.6

ILLINOIS

HILLVIEW
PUMPING STA

BUCKHORN ISLAND

BUCKHORN CREEK

MONTEZUMA

FLOW

SOUNDED JUNE 26, 2020
SOUNDED FEBRUARY 19, 2020

E 2181000
E 2180000
E 2179000
E 2178000
E 2177000
E 2176000
N 1031000
N 1032000
N 1033000
N 1034000
N 1035000
N 1036000
N 1037000

Comprehensive Survey

1. Sounded FEBRUARY 19, 2020 & JUNE 26, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN. POOL		418.8	418.4
DATE		427.1 (10:00)	425.0 (10:00)
	26 JUN 2020	427.1 (14:00)	425.0 (14:00)

ELEVATIONS ARE REFERRED TO NGVD. CONTOURS ARE BELOW 1956-ST LOW WATER REFERENCE PLANE (LWRP) (SEE GRID CF-5)

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Checked by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

Survey Date: FEBRUARY 19, 2020
JUNE 26, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht32.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

U.S. ARMY ENGINEER DIVISION
MISSISSIPPI VALLEY
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 PERFORMED BY OTHERS AND WAS COMPILED FROM THEIR DRAWINGS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
32

ILLINOIS

N

E 2179000

E 2178000

E 2177000

E 2176000

E 2175000

E 2174000

N 1025000

N 1026000

N 1027000

N 1028000

N 1029000

N 1030000

N 1031000

BUCKHORN ISLAND

MONTEZUMA

45.7 L

46

57

FLOW

SOUNDED JUNE 26, 2020
SOUNDED FEBRUARY 19, 2020

June. 26, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 14:00	MP DIFF 10:00	MP DIFF 14:00
48.0	418.6	425.8	425.8	7.2	7.3
47.0	418.5	425.6	425.7	7.1	7.1
46.0	418.5	425.4	425.5	7.0	7.0
45.0	418.5	425.3	425.3	6.8	6.9
44.0	418.4	425.1	425.2	6.7	6.8
43.2	418.4	425.0	425.0	6.6	6.6
43.0	418.4	425.0	425.0	6.6	6.6

Feb. 19, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 16:00	MP DIFF 10:00	MP DIFF 16:00
61.3	418.9	430.2	430.2	-11.3	-11.3
61.0	418.9	430.2	430.2	-11.3	-11.3
60.0	418.9	430.0	430.0	-11.2	-11.2
59.0	418.9	429.9	429.9	-11.0	-11.0
58.0	418.8	429.8	429.8	-10.9	-10.9
57.0	418.8	429.6	429.6	-10.8	-10.8
56.0	418.8	429.5	429.5	-10.7	-10.7
55.0	418.8	429.3	429.3	-10.5	-10.5
54.0	418.7	429.1	429.1	-10.4	-10.4
53.0	418.7	428.9	428.9	-10.2	-10.2
52.0	418.7	428.7	428.7	-10.0	-10.0
51.0	418.6	428.5	428.5	-9.9	-9.9
50.0	418.6	428.4	428.4	-9.7	-9.7
49.0	418.6	428.2	428.2	-9.6	-9.6
48.0	418.6	428.0	428.0	-9.4	-9.4
47.0	418.5	427.8	427.8	-9.3	-9.3
46.0	418.5	427.6	427.6	-9.1	-9.1
45.0	418.5	427.4	427.4	-9.0	-9.0
44.0	418.4	427.2	427.2	-8.8	-8.8
43.2	418.4	427.1	427.1	-8.7	-8.7

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.

Comprehensive Survey

1. Sounded FEBRUARY 19, 2020 & JUNE 26, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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			
		FLORENCE	PEARL
WATER SURFACE	ZERO N.G.V.D.	400.0	400.0
	MILE	56.0	43.2
	MIN. POOL	418.8	418.4
	DATE	427.1 (10:00) 427.1 (14:00)	425.0 (10:00) 425.0 (14:00)
	26 JUNE 2020		

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

Survey Dates: FEBRUARY 19, 2020
JUNE 26, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht33.dgn
Plot date: $DATE$
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

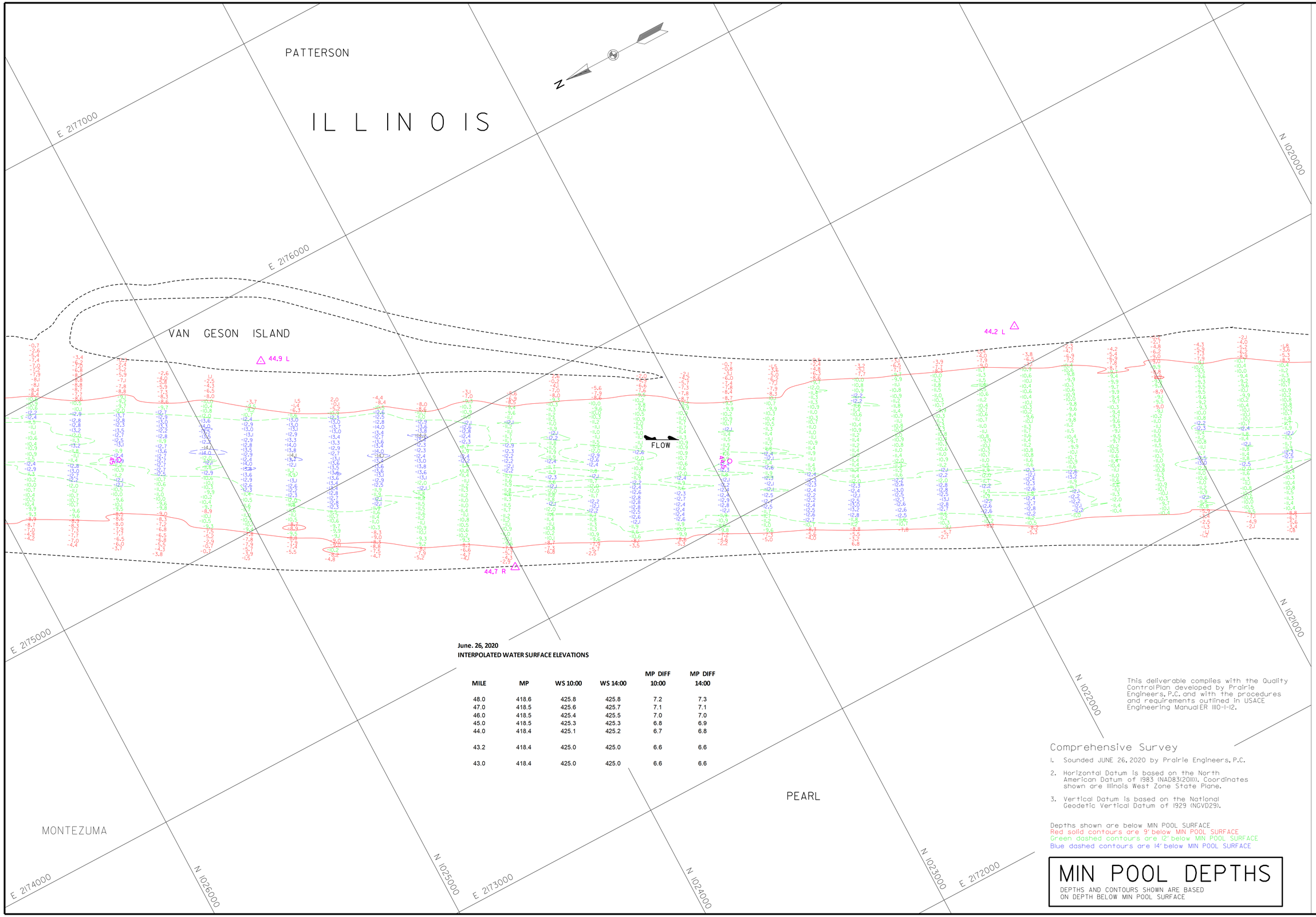
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY PRAIRIE ENGINEERS, P.C. AND IS INTENDED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
33



June. 26, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 14:00	MP DIFF 10:00	MP DIFF 14:00
48.0	418.6	425.8	425.8	7.2	7.3
47.0	418.5	425.6	425.7	7.1	7.1
46.0	418.5	425.4	425.5	7.0	7.0
45.0	418.5	425.3	425.3	6.8	6.9
44.0	418.4	425.1	425.2	6.7	6.8
43.2	418.4	425.0	425.0	6.6	6.6
43.0	418.4	425.0	425.0	6.6	6.6

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.

Comprehensive Survey

1. Sounded JUNE 26, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	26 JUN 2020	427.1(10:00)	425.0 (10:00)
		427.1(14:00)	425.0 (14:00)

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

Survey Date: JUNE 26, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR.080.000.mp.sht34.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

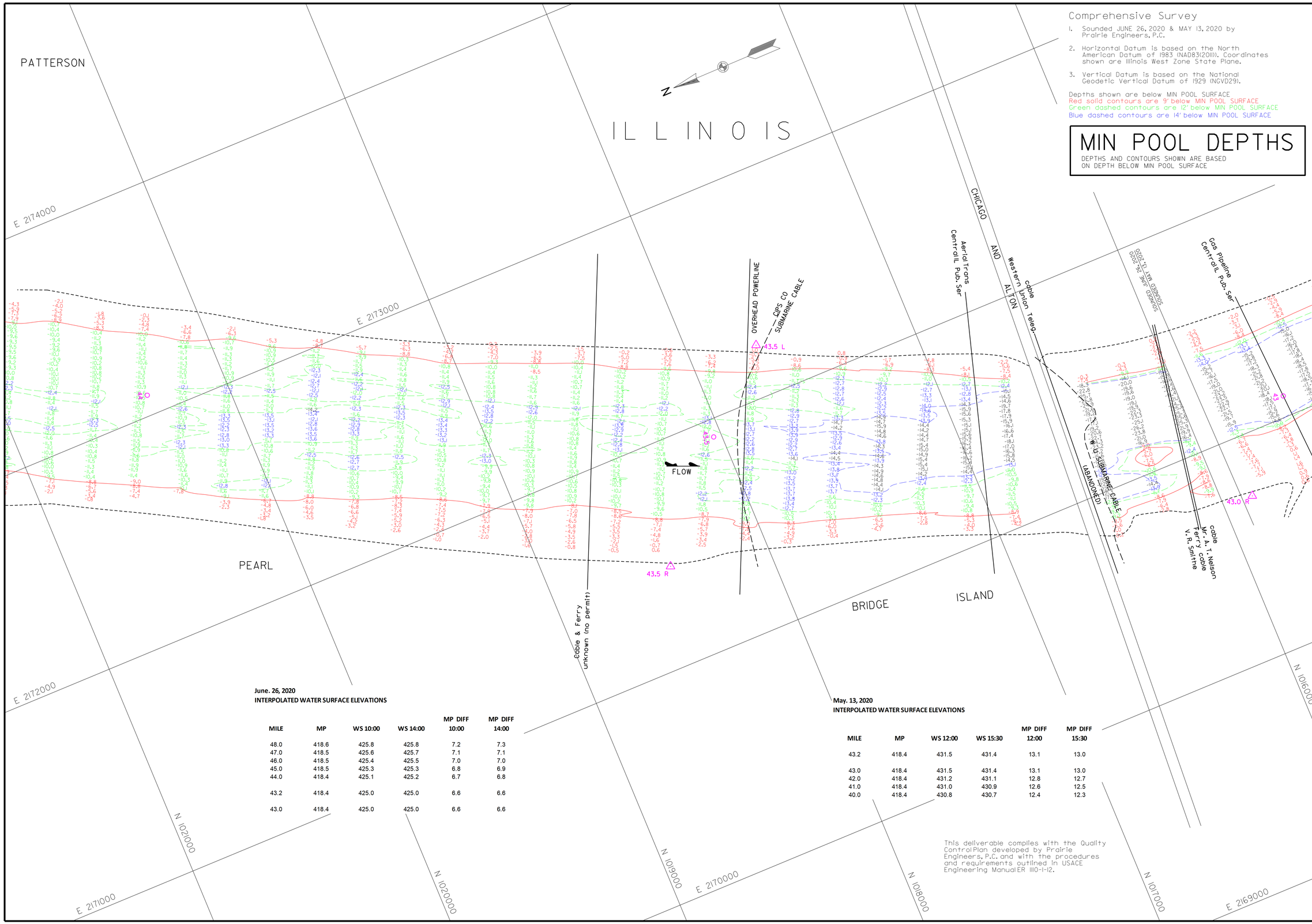
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
34



Comprehensive Survey

1. Sounded JUNE 26, 2020 & MAY 13, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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

June. 26, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 14:00	MP DIFF 10:00	MP DIFF 14:00
48.0	418.6	425.8	425.8	7.2	7.3
47.0	418.5	425.6	425.7	7.1	7.1
46.0	418.5	425.4	425.5	7.0	7.0
45.0	418.5	425.3	425.3	6.8	6.9
44.0	418.4	425.1	425.2	6.7	6.8
43.2	418.4	425.0	425.0	6.6	6.6
43.0	418.4	425.0	425.0	6.6	6.6

May. 13, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 15:30	MP DIFF 12:00	MP DIFF 15:30
43.2	418.4	431.5	431.4	13.1	13.0
43.0	418.4	431.5	431.4	13.1	13.0
42.0	418.4	431.2	431.1	12.8	12.7
41.0	418.4	431.0	430.9	12.6	12.5
40.0	418.4	430.8	430.7	12.4	12.3

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	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	26 JUN 2020	427.1 (110:00)	425.0 (10:00)
		427.1 (14:00)	425.0 (14:00)

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

Survey Date: JUNE 26, 2020
MAY 13, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht35.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

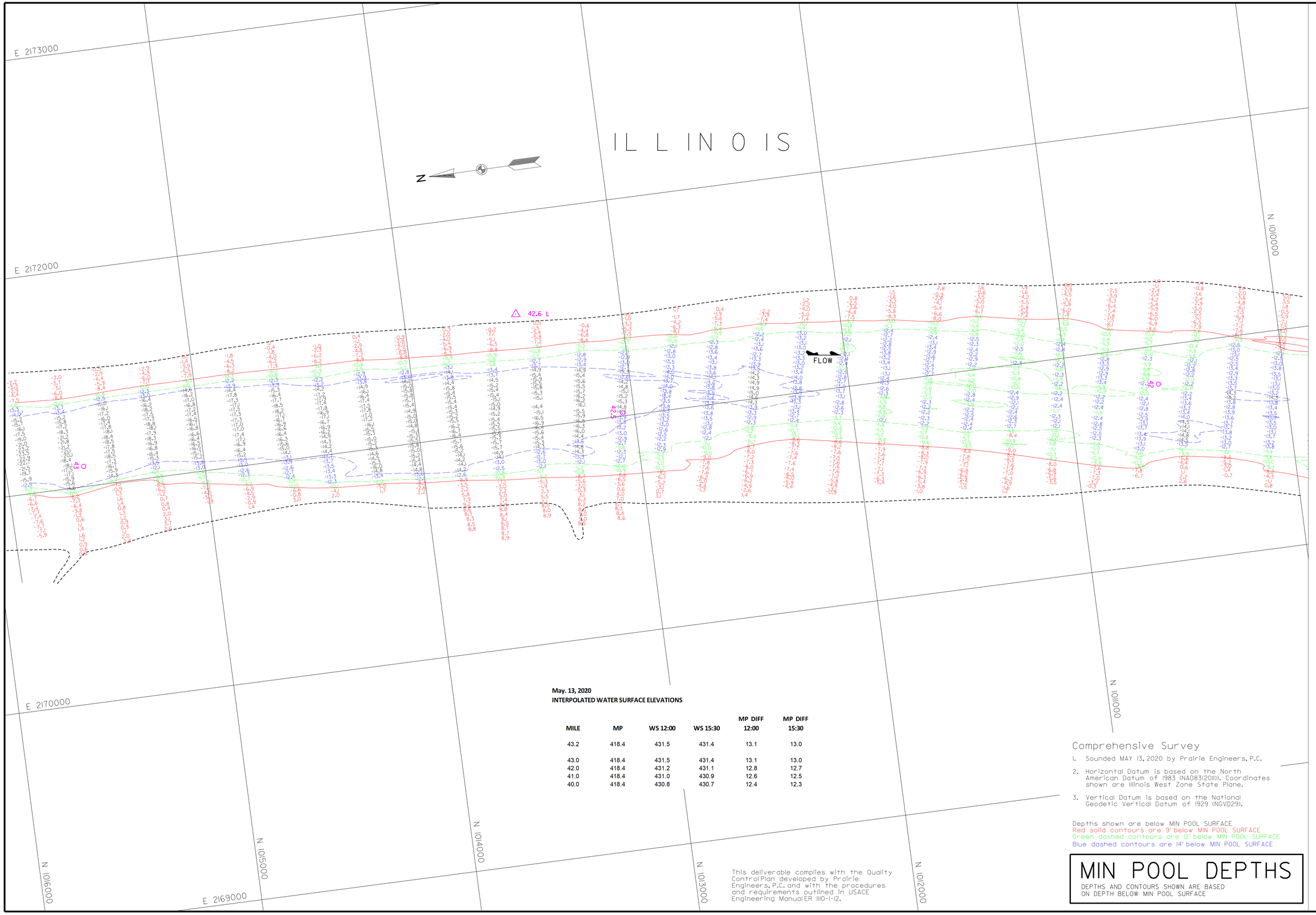
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
35



May. 13, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 15:30	MP DIFF 12:00	MP DIFF 15:30
43.2	418.4	431.5	431.4	13.1	13.0
43.0	418.4	431.5	431.4	13.1	13.0
42.0	418.4	431.2	431.1	12.8	12.7
41.0	418.4	431.0	430.9	12.6	12.5
40.0	418.4	430.8	430.7	12.4	12.3

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.

Comprehensive Survey

1. Sounded MAY 13, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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

	PEARL	HARDIN
WATER SURFACE		
ZERO N.G.V.D.	400.0	400.0
MILE	43.2	21.5
MIN. POOL	418.4	418.2
DATE	13 MAY 2020	426.7 (12:00) 426.6 (15:30)
	431.5 (12:00) 431.4 (15:30)	

ELEVATIONS ARE REFERED TO NGVD. CONTOURS ARE BELOW 1964-ST LOW WATER REFERENCE PLANE (L:\MOD\1964DR.CFG)

Survey Dates: May 13, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File names: ILR_080_000_mp_sht3.dgn

Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
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 60 200
400 FEET 200 0 200

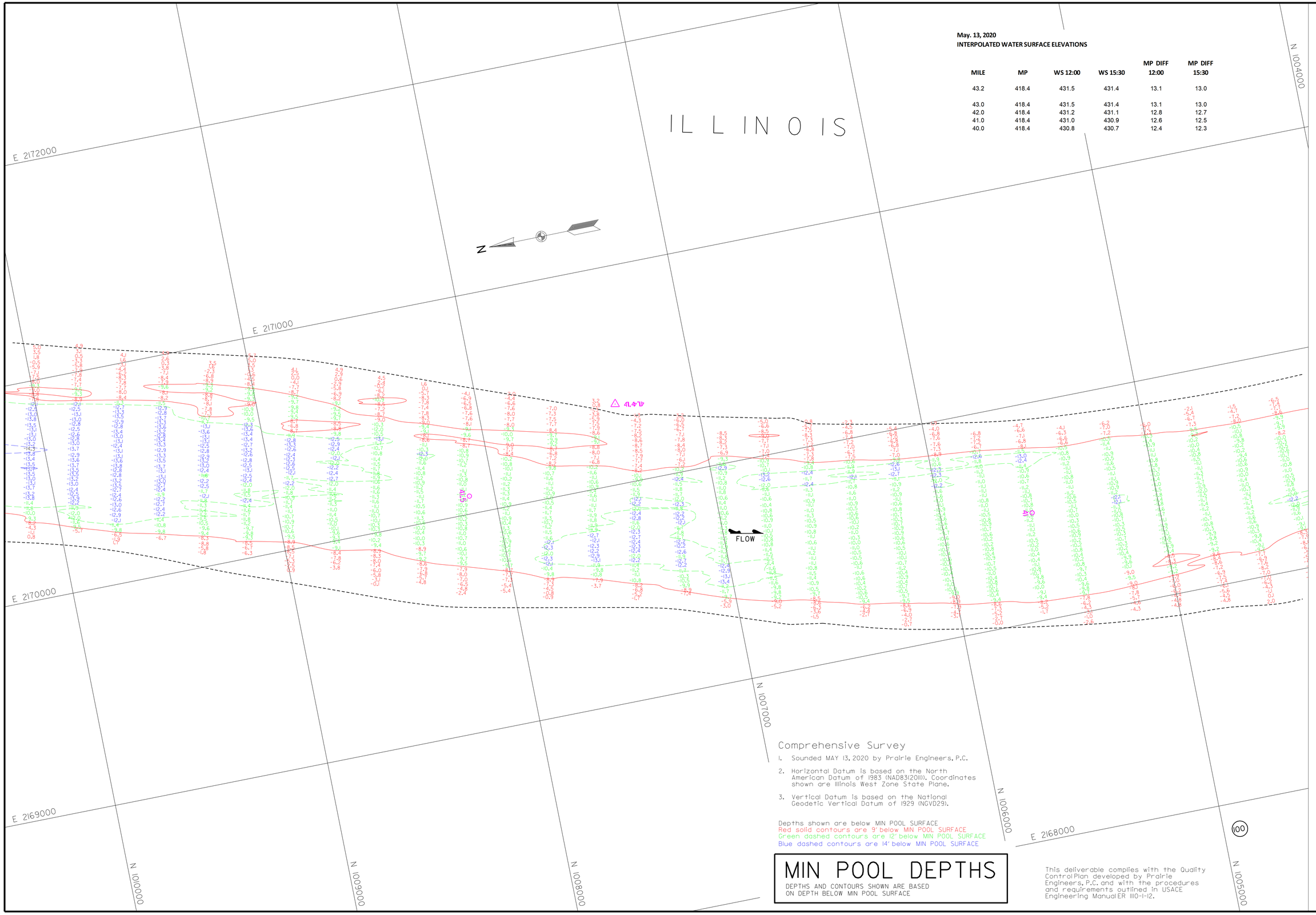
THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY PRAIRIE ENGINEERS, P.C. AND IS PRESENTED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
36

May. 13, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 15:30	MP DIFF 12:00	MP DIFF 15:30
43.2	418.4	431.5	431.4	13.1	13.0
43.0	418.4	431.5	431.4	13.1	13.0
42.0	418.4	431.2	431.1	12.8	12.7
41.0	418.4	431.0	430.9	12.6	12.5
40.0	418.4	430.8	430.7	12.4	12.3



Comprehensive Survey

1. Sounded MAY 13, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	PEARL	HARDIN
ZERO N.G.V.D.	400.0	400.0
MILE	43.2	21.5
MIN. POOL	418.4	418.2
DATE	13 MAY 2020	426.7 (12:00) 426.6 (15:30)

ELEVATIONS ARE REFERED TO NGVD. CONTOURS ARE BELOW 1956-ST LOW WATER REFERENCE PLANE (L:\#CAD\SURVEY\SURVEY.DGN)

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

Survey Dates: May 13, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sh37.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

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

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
37

ILLINOIS

N

E 2171000

E 2170000

E 2169000

E 2168000

WALKERVILLE

WING ISLAND

SOUNDED MAY 13, 2020
SOUNDED MAY 11, 2020

SOUNDED MAY 11, 2020
SOUNDED FEB. 18, 2020

SOUNDED MAY 13, 2020
SOUNDED FEBRUARY 18, 2020

40.0 L

40.6 R

FLOW

N 1004000

N 1003000

N 1002000

N 1001000

N 1000000

N 999000

Feb. 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 17:00	MP DIFF 12:00	MP DIFF 17:00
41.0	418.4	426.7	426.7	-8.3	-8.3
40.0	418.4	426.5	426.5	-8.2	-8.2
39.0	418.4	426.3	426.3	-8.0	-8.0
38.0	418.4	426.2	426.2	-7.8	-7.8
37.0	418.3	426.0	426.0	-7.6	-7.6
36.0	418.3	425.8	425.8	-7.5	-7.5
35.0	418.3	425.6	425.6	-7.3	-7.3
34.0	418.3	425.5	425.5	-7.1	-7.1
33.0	418.3	425.3	425.3	-7.0	-7.0
32.0	418.3	425.1	425.1	-6.8	-6.8
31.0	418.3	424.9	424.9	-6.6	-6.6
30.0	418.3	424.7	424.7	-6.5	-6.5

May. 13, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 15:30	MP DIFF 12:00	MP DIFF 15:30
43.2	418.4	431.5	431.4	13.1	13.0
43.0	418.4	431.5	431.4	13.1	13.0
42.0	418.4	431.2	431.1	12.8	12.7
41.0	418.4	431.0	430.9	12.6	12.5
40.0	418.4	430.8	430.7	12.4	12.3

May 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	432.1	432.1	-13.7	-13.7
43.0	418.4	432.1	432.0	-13.7	-13.6
42.0	418.4	431.8	431.8	-13.5	-13.4
41.0	418.4	431.6	431.6	-13.2	-13.2
40.0	418.4	431.4	431.4	-13.0	-13.0
39.0	418.4	431.2	431.1	-12.8	-12.8
38.0	418.4	430.9	430.9	-12.6	-12.6
37.0	418.3	430.7	430.7	-12.4	-12.3
36.0	418.3	430.5	430.5	-12.2	-12.1
35.0	418.3	430.3	430.2	-12.0	-11.9
34.0	418.3	430.1	430.0	-11.7	-11.7
33.0	418.3	429.8	429.8	-11.5	-11.5
32.0	418.3	429.6	429.6	-11.3	-11.3
31.0	418.3	429.4	429.3	-11.1	-11.1
30.0	418.3	429.2	429.1	-10.9	-10.8
29.0	418.3	428.9	428.9	-10.7	-10.6
28.0	418.3	428.7	428.7	-10.5	-10.4
27.0	418.3	428.5	428.4	-10.2	-10.2
26.0	418.2	428.3	428.2	-10.0	-10.0
25.0	418.2	428.0	428.0	-9.8	-9.8
24.0	418.2	427.8	427.8	-9.6	-9.6
23.0	418.2	427.6	427.6	-9.4	-9.3
22.0	418.2	427.4	427.3	-9.2	-9.1
21.5	418.2	427.3	427.2	-9.1	-9.0

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.

Comprehensive Survey

1. Sounded FEBRUARY 18, 2020, MAY 11, 2020 & MAY 13, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	13 MAY 2020	426.7 (12:00) 426.5 (17:30)
		431.4 (15:30)

ELEVATIONS ARE REFERED TO NGVD. CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (SEE DWG C-5)

Surveyed by: PRAIRIE ENGINEERS — Survey Dates: FEBRUARY 18, 2020 MAY 13, 2020
Drawn by: JLK/BJB — Ckd by: DEF
Reviewed by:
APPROVED: Chief, Geospatial Branch

SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht38.dgn
Plot date: 7/5/2020
Plot scale: 1" = 200'

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

200 0 0 60 200 400 FEET
60 0 0 20 60 120 METERS

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY THE ENGINEER AND IS BELIEVED TO BE ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
38

Feb. 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 17:00	MP DIFF 12:00	MP DIFF 17:00
41.0	418.4	426.7	426.7	-8.3	-8.3
40.0	418.4	426.5	426.5	-8.2	-8.2
39.0	418.4	426.3	426.3	-8.0	-8.0
38.0	418.4	426.2	426.2	-7.8	-7.8
37.0	418.3	426.0	426.0	-7.6	-7.6
36.0	418.3	425.8	425.8	-7.5	-7.5
35.0	418.3	425.6	425.6	-7.3	-7.3
34.0	418.3	425.5	425.5	-7.1	-7.1
33.0	418.3	425.3	425.3	-7.0	-7.0
32.0	418.3	425.1	425.1	-6.8	-6.8
31.0	418.3	424.9	424.9	-6.6	-6.6
30.0	418.3	424.7	424.7	-6.5	-6.5

N

ILLINOIS

E 2172000

E 2171000

SPAN ISLAND

38.9 L

39.5 L

FLOW

WING ISLAND

39.7 R

SOUNDED MAY 11, 2020
SOUNDED FEB. 18, 2020

SOUNDED FEBRUARY 18, 2020
SOUNDED MAY 11, 2020

May 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	432.1	432.1	-13.7	-13.7
43.0	418.4	432.1	432.0	-13.7	-13.6
42.0	418.4	431.8	431.8	-13.5	-13.4
41.0	418.4	431.6	431.6	-13.2	-13.2
40.0	418.4	431.4	431.4	-13.0	-13.0
39.0	418.4	431.2	431.1	-12.8	-12.8
38.0	418.4	430.9	430.9	-12.6	-12.6
37.0	418.3	430.7	430.7	-12.4	-12.3
36.0	418.3	430.5	430.5	-12.2	-12.1
35.0	418.3	430.3	430.2	-12.0	-11.9
34.0	418.3	430.1	430.0	-11.7	-11.7
33.0	418.3	429.8	429.8	-11.5	-11.5
32.0	418.3	429.6	429.6	-11.3	-11.3
31.0	418.3	429.4	429.3	-11.1	-11.1
30.0	418.3	429.2	429.1	-10.9	-10.8
29.0	418.3	428.9	428.9	-10.7	-10.6
28.0	418.3	428.7	428.7	-10.5	-10.4
27.0	418.3	428.5	428.4	-10.2	-10.2
26.0	418.2	428.3	428.2	-10.0	-10.0
25.0	418.2	428.0	428.0	-9.8	-9.8
24.0	418.2	427.8	427.8	-9.6	-9.6
23.0	418.2	427.6	427.6	-9.4	-9.3
22.0	418.2	427.4	427.3	-9.2	-9.1
21.5	418.2	427.3	427.2	-9.1	-9.0

N 999000
N 998000
N 997000
N 996000
N 995000
N 994000
E 2169000
E 2168000

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.

Comprehensive Survey

1. Sounded FEBRUARY 18, 2020 & MAY 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	11 MAY 2020	432.1 (0800) 427.1 (0500)	427.3 (0800) 427.2 (0500)

ELEVATIONS ARE REFERED TO NGVD. CONTOURS ARE BELOW 1964-97 LOW WATER REFERENCE PLANE (LWRP) (SEE CWO)

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

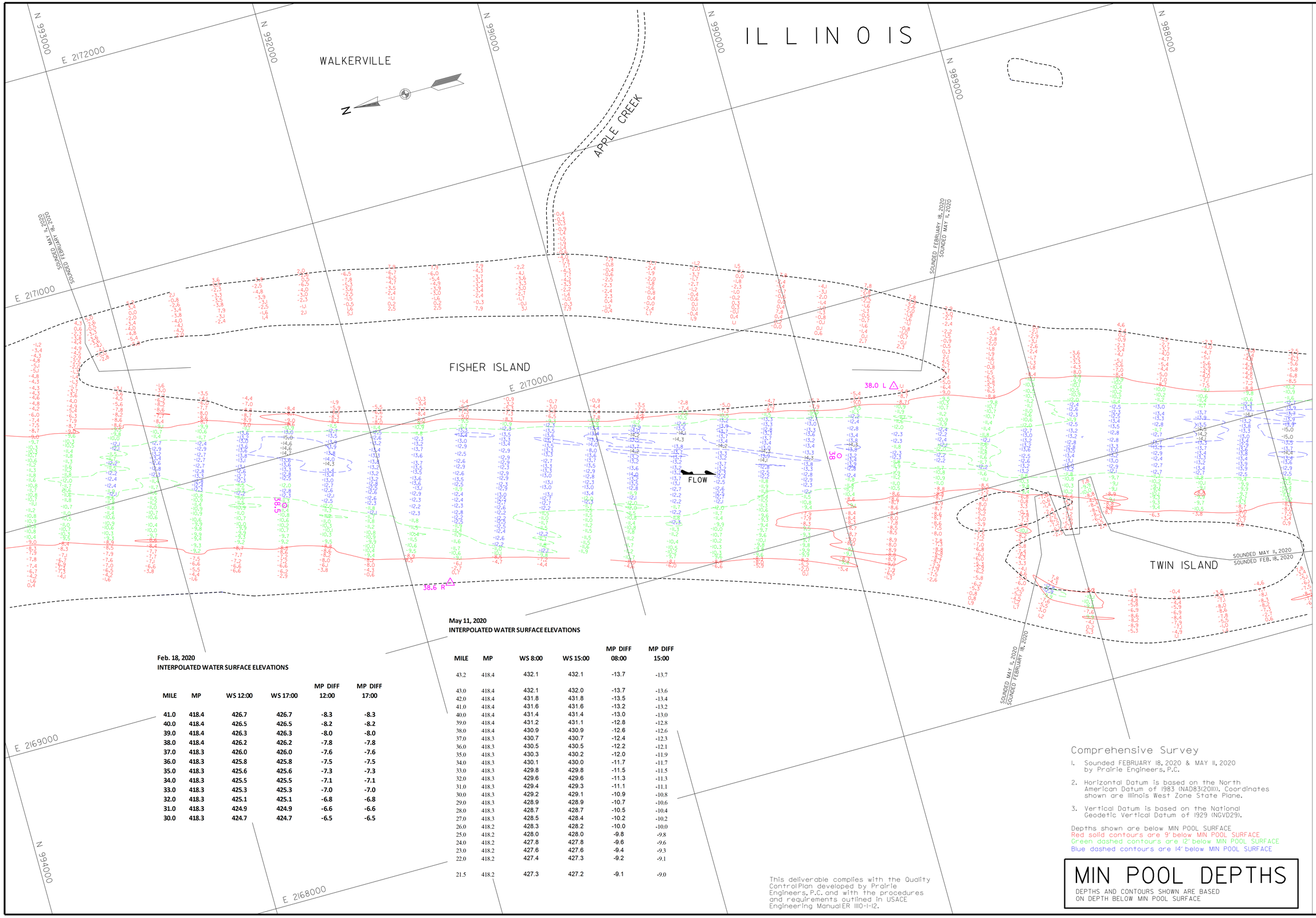
Surveyed by: PRAIRIE ENGINEERS — Survey Dates: FEBRUARY 18, 2020 MAY 11, 2020
Drawn by: JLK/BJB — Ckd by: DEF — SUBMITTED:
Reviewed by: — Ckd by: — Chief, Engr. Data Mngt. Sect.
APPROVED: — File name: ILR_080_000_mp_sh39.dgn
Chief, Geospatial Branch — Plot date: 7/15/2020
Plot scale: 1" = 200'

0 60 200 400 FEET
0 60 200 020 METERS

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE BEST DATA AVAILABLE AT THE TIME OF PUBLICATION AND MAY BE SUBJECT TO CHANGE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
39



Feb. 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 17:00	MP DIFF 12:00	MP DIFF 17:00
41.0	418.4	426.7	426.7	-8.3	-8.3
40.0	418.4	426.5	426.5	-8.2	-8.2
39.0	418.4	426.3	426.3	-8.0	-8.0
38.0	418.4	426.2	426.2	-7.8	-7.8
37.0	418.3	426.0	426.0	-7.6	-7.6
36.0	418.3	425.8	425.8	-7.5	-7.5
35.0	418.3	425.6	425.6	-7.3	-7.3
34.0	418.3	425.5	425.5	-7.1	-7.1
33.0	418.3	425.3	425.3	-7.0	-7.0
32.0	418.3	425.1	425.1	-6.8	-6.8
31.0	418.3	424.9	424.9	-6.6	-6.6
30.0	418.3	424.7	424.7	-6.5	-6.5

May 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	432.1	432.1	-13.7	-13.7
43.0	418.4	432.1	432.0	-13.7	-13.6
42.0	418.4	431.8	431.8	-13.5	-13.4
41.0	418.4	431.6	431.6	-13.2	-13.2
40.0	418.4	431.4	431.4	-13.0	-13.0
39.0	418.4	431.2	431.1	-12.8	-12.8
38.0	418.4	430.9	430.9	-12.6	-12.6
37.0	418.3	430.7	430.7	-12.4	-12.3
36.0	418.3	430.5	430.5	-12.2	-12.1
35.0	418.3	430.3	430.2	-12.0	-11.9
34.0	418.3	430.1	430.1	-11.7	-11.7
33.0	418.3	429.8	429.8	-11.5	-11.5
32.0	418.3	429.6	429.6	-11.3	-11.3
31.0	418.3	429.4	429.3	-11.1	-11.1
30.0	418.3	429.2	429.1	-10.9	-10.8
29.0	418.3	428.9	428.9	-10.7	-10.6
28.0	418.3	428.7	428.7	-10.5	-10.4
27.0	418.3	428.5	428.4	-10.2	-10.2
26.0	418.2	428.3	428.2	-10.0	-10.0
25.0	418.2	428.0	428.0	-9.8	-9.8
24.0	418.2	427.8	427.8	-9.6	-9.6
23.0	418.2	427.6	427.6	-9.4	-9.3
22.0	418.2	427.4	427.3	-9.2	-9.1
21.5	418.2	427.3	427.2	-9.1	-9.0

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.

Comprehensive Survey

1. Sounded FEBRUARY 18, 2020 & MAY 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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			
	11 MAY 2020	432.1 (08:00)	427.3 (08:00)
		432.1 (15:00)	427.2 (15:00)

ELEVATIONS ARE REFERRED TO NGVD29. CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (SOUND CS-5)

Survey Dates: FEBRUARY 18, 2020
MAY 11, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht40.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

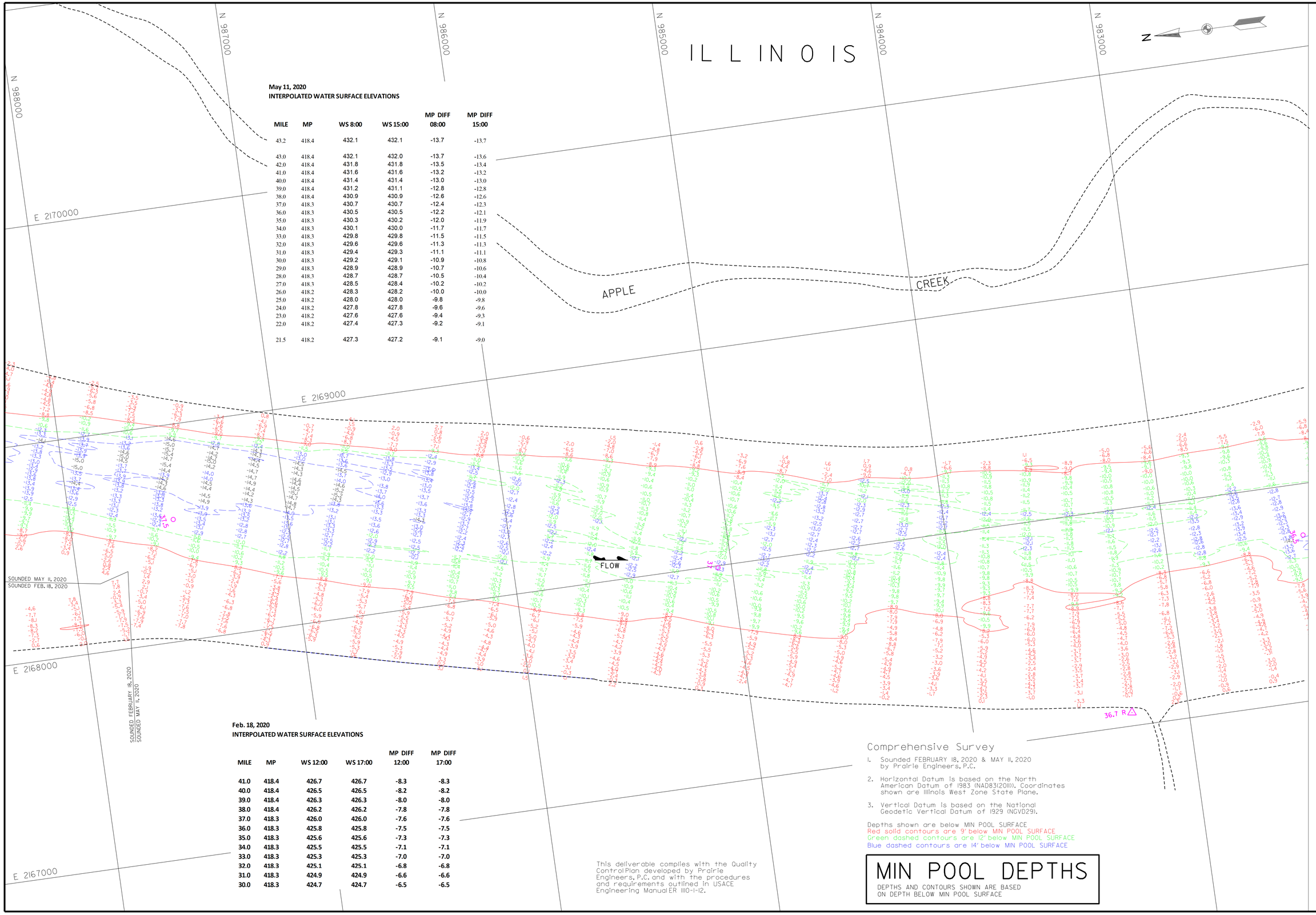
ILLINOIS RIVER

120 METERS 60 0 60 200 400 FEET

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
40



May 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	432.1	432.1	-13.7	-13.7
43.0	418.4	432.1	432.0	-13.7	-13.6
42.0	418.4	431.8	431.8	-13.5	-13.4
41.0	418.4	431.6	431.6	-13.2	-13.2
40.0	418.4	431.4	431.4	-13.0	-13.0
39.0	418.4	431.2	431.1	-12.8	-12.8
38.0	418.4	430.9	430.9	-12.6	-12.6
37.0	418.3	430.7	430.7	-12.4	-12.3
36.0	418.3	430.5	430.5	-12.2	-12.1
35.0	418.3	430.3	430.2	-12.0	-11.9
34.0	418.3	430.1	430.0	-11.7	-11.7
33.0	418.3	429.8	429.8	-11.5	-11.5
32.0	418.3	429.6	429.6	-11.3	-11.3
31.0	418.3	429.4	429.3	-11.1	-11.1
30.0	418.3	429.2	429.1	-10.9	-10.8
29.0	418.3	428.9	428.9	-10.7	-10.6
28.0	418.3	428.7	428.7	-10.5	-10.4
27.0	418.3	428.5	428.4	-10.2	-10.2
26.0	418.2	428.3	428.2	-10.0	-10.0
25.0	418.2	428.0	428.0	-9.8	-9.8
24.0	418.2	427.8	427.8	-9.6	-9.6
23.0	418.2	427.6	427.6	-9.4	-9.3
22.0	418.2	427.4	427.3	-9.2	-9.1
21.5	418.2	427.3	427.2	-9.1	-9.0

Feb. 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 17:00	MP DIFF 12:00	MP DIFF 17:00
41.0	418.4	426.7	426.7	-8.3	-8.3
40.0	418.4	426.5	426.5	-8.2	-8.2
39.0	418.4	426.3	426.3	-8.0	-8.0
38.0	418.4	426.2	426.2	-7.8	-7.8
37.0	418.3	426.0	426.0	-7.6	-7.6
36.0	418.3	425.8	425.8	-7.5	-7.5
35.0	418.3	425.6	425.6	-7.3	-7.3
34.0	418.3	425.5	425.5	-7.1	-7.1
33.0	418.3	425.3	425.3	-7.0	-7.0
32.0	418.3	425.1	425.1	-6.8	-6.8
31.0	418.3	424.9	424.9	-6.6	-6.6
30.0	418.3	424.7	424.7	-6.5	-6.5

Comprehensive Survey

1. Sounded FEBRUARY 18, 2020 & MAY 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	11 MAY 2020	432.1 (08:00)	427.3 (08:00)
		432.1 (15:00)	427.2 (15:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1954-ST LOW WATER REFERENCE PLANE (L:\ACAD\LOGOS\CF-SJ)

Survey Dates: FEBRUARY 18, 2020
MAY 11, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht4.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED: Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

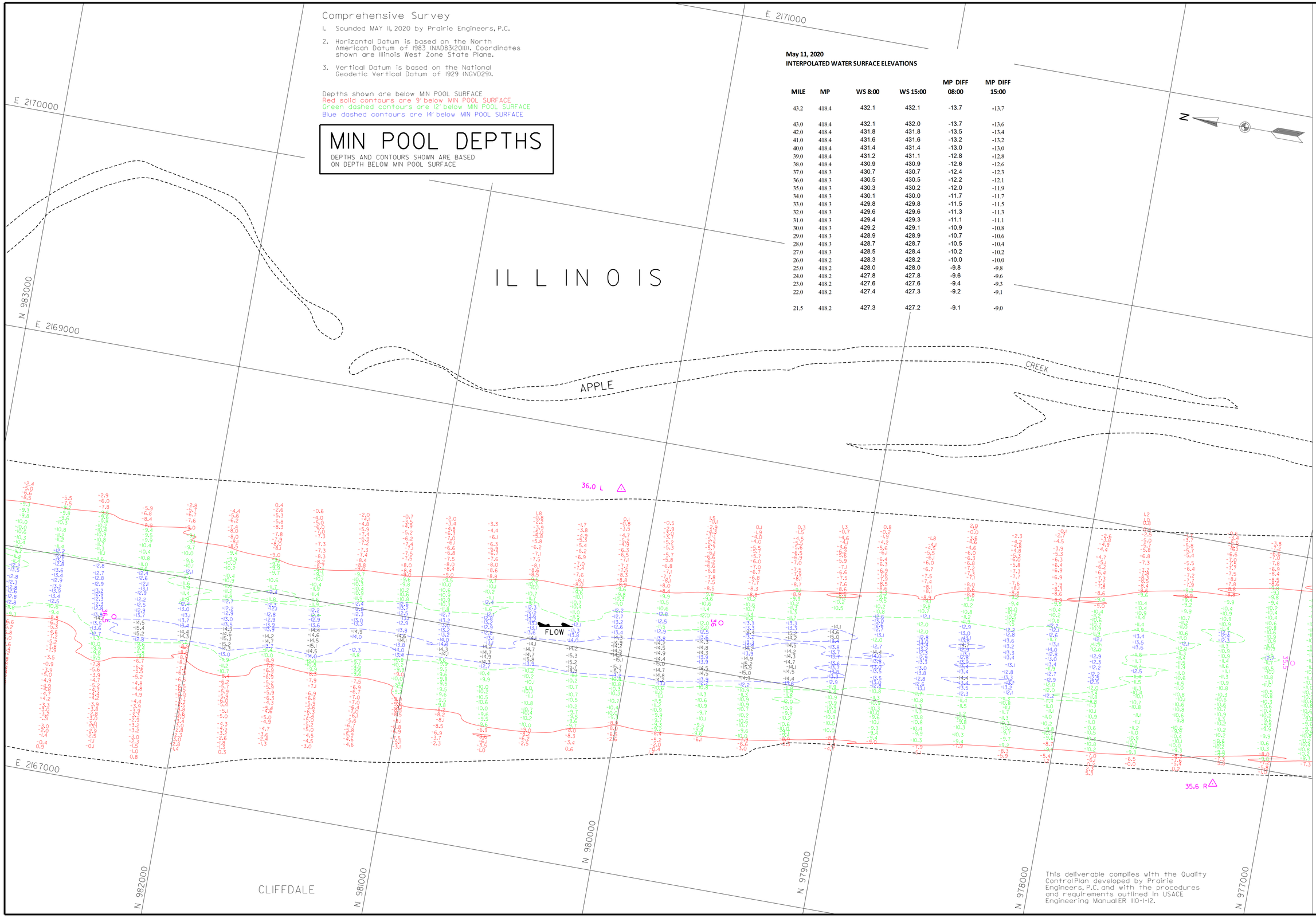
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY OTHERS AND SHOWN HEREON AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
41



Comprehensive Survey

1. Sounded MAY 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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

May 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	432.1	432.1	-13.7	-13.7
43.0	418.4	432.1	432.0	-13.7	-13.6
42.0	418.4	431.8	431.8	-13.5	-13.4
41.0	418.4	431.6	431.6	-13.2	-13.2
40.0	418.4	431.4	431.4	-13.0	-13.0
39.0	418.4	431.2	431.1	-12.8	-12.8
38.0	418.4	430.9	430.9	-12.6	-12.6
37.0	418.3	430.7	430.7	-12.4	-12.3
36.0	418.3	430.5	430.5	-12.2	-12.1
35.0	418.3	430.3	430.2	-12.0	-11.9
34.0	418.3	430.1	430.0	-11.7	-11.7
33.0	418.3	429.8	429.8	-11.5	-11.5
32.0	418.3	429.6	429.6	-11.3	-11.3
31.0	418.3	429.4	429.3	-11.1	-11.1
30.0	418.3	429.2	429.1	-10.9	-10.8
29.0	418.3	428.9	428.9	-10.7	-10.6
28.0	418.3	428.7	428.7	-10.5	-10.4
27.0	418.3	428.5	428.4	-10.2	-10.2
26.0	418.2	428.3	428.2	-10.0	-10.0
25.0	418.2	428.0	428.0	-9.8	-9.8
24.0	418.2	427.8	427.8	-9.6	-9.6
23.0	418.2	427.6	427.6	-9.4	-9.3
22.0	418.2	427.4	427.3	-9.2	-9.1
21.5	418.2	427.3	427.2	-9.1	-9.0

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.

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	11 MAY 2020	432.1 (08:00)	427.3 (08:00)
		432.1 (15:00)	427.2 (15:00)

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: MAY 11, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht42.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

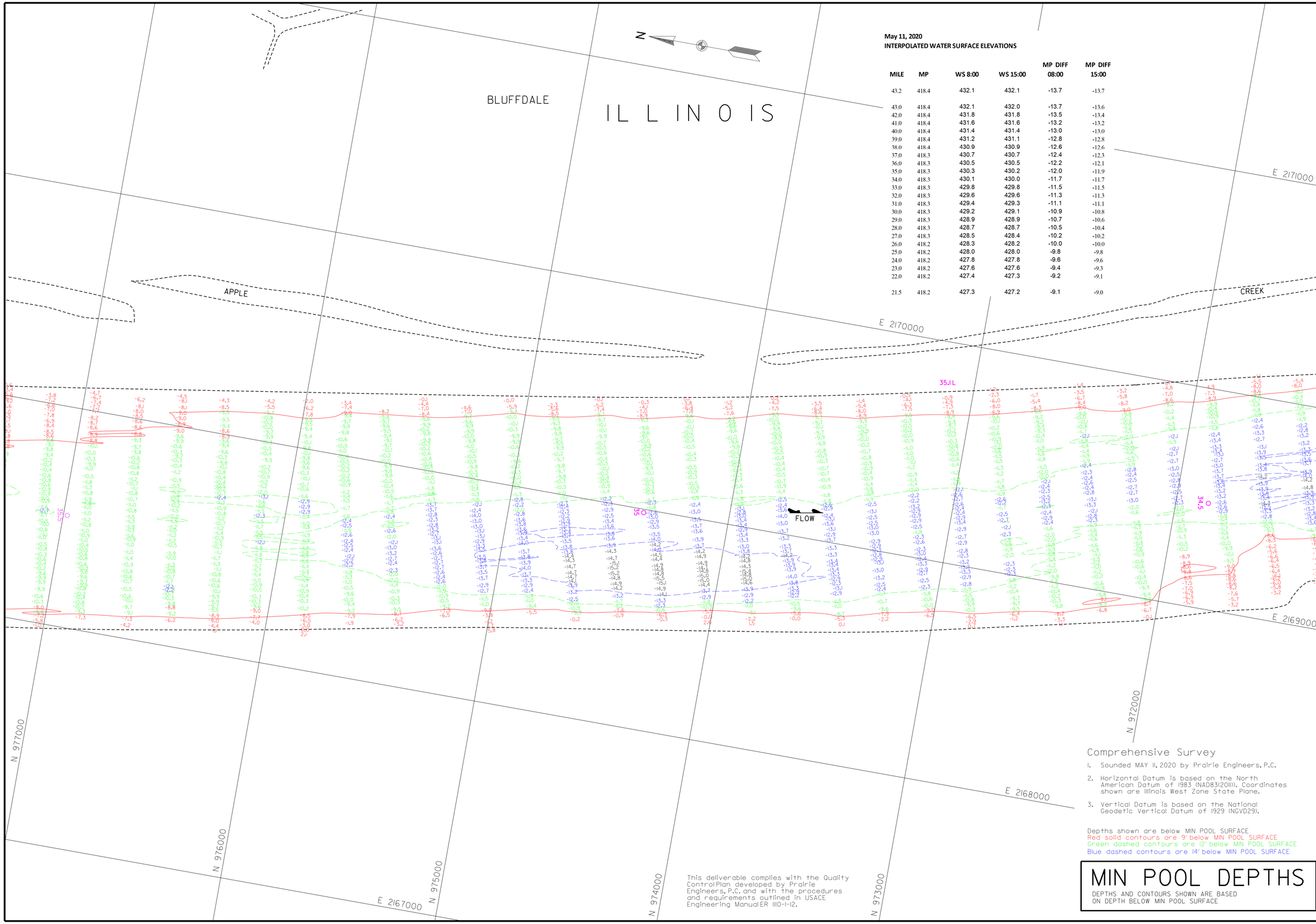
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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.

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
42



May 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	432.1	432.1	-13.7	-13.7
43.0	418.4	432.1	432.0	-13.7	-13.6
42.0	418.4	431.8	431.8	-13.5	-13.4
41.0	418.4	431.6	431.6	-13.2	-13.2
40.0	418.4	431.4	431.4	-13.0	-13.0
39.0	418.4	431.2	431.1	-12.8	-12.8
38.0	418.4	430.9	430.9	-12.6	-12.6
37.0	418.3	430.7	430.7	-12.4	-12.3
36.0	418.3	430.5	430.5	-12.2	-12.1
35.0	418.3	430.3	430.2	-12.0	-11.9
34.0	418.3	430.1	430.0	-11.7	-11.7
33.0	418.3	429.8	429.8	-11.5	-11.5
32.0	418.3	429.6	429.6	-11.3	-11.3
31.0	418.3	429.4	429.3	-11.1	-11.1
30.0	418.3	429.2	429.1	-10.9	-10.8
29.0	418.3	428.9	428.9	-10.7	-10.6
28.0	418.3	428.7	428.7	-10.5	-10.4
27.0	418.3	428.5	428.4	-10.2	-10.2
26.0	418.2	428.3	428.2	-10.0	-10.0
25.0	418.2	428.0	428.0	-9.8	-9.8
24.0	418.2	427.8	427.8	-9.6	-9.6
23.0	418.2	427.6	427.6	-9.4	-9.3
22.0	418.2	427.4	427.3	-9.2	-9.1
21.5	418.2	427.3	427.2	-9.1	-9.0

Comprehensive Survey

1. Sounded MAY 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	11 MAY 2020	432.1 (08:00)	427.3 (08:00)
		432.1 (15:00)	427.2 (15:00)

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: MAY 11, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht43.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

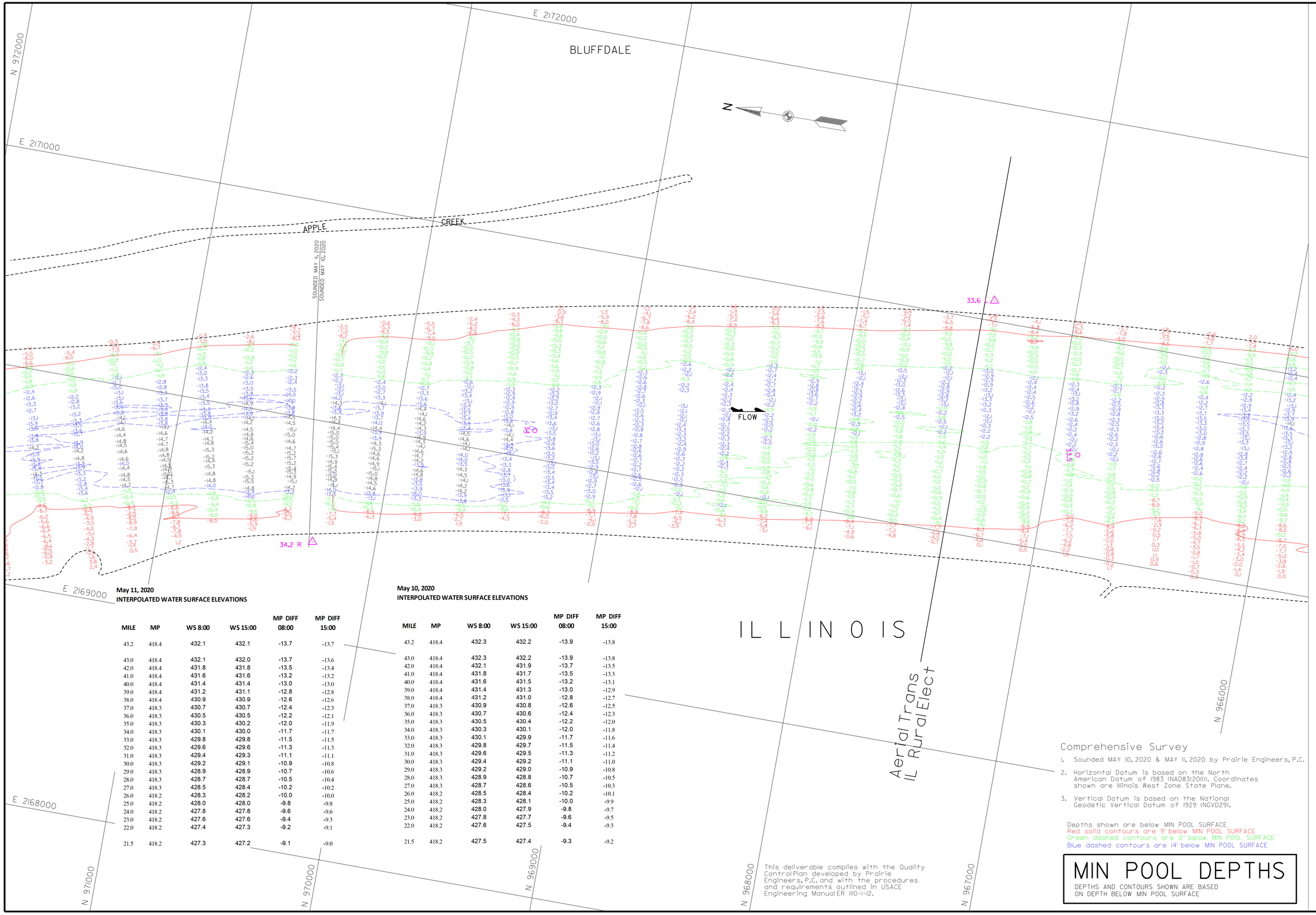
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
43



May 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	432.1	432.1	-13.7	-13.7
43.0	418.4	432.1	432.0	-13.7	-13.6
42.0	418.4	431.8	431.8	-13.5	-13.4
41.0	418.4	431.6	431.6	-13.2	-13.2
40.0	418.4	431.4	431.4	-13.0	-13.0
39.0	418.4	431.2	431.1	-12.8	-12.8
38.0	418.4	430.9	430.9	-12.6	-12.6
37.0	418.3	430.7	430.7	-12.4	-12.3
36.0	418.3	430.5	430.5	-12.2	-12.1
35.0	418.3	430.3	430.2	-12.0	-11.9
34.0	418.3	430.1	430.0	-11.7	-11.7
33.0	418.3	429.8	429.8	-11.5	-11.5
32.0	418.3	429.6	429.6	-11.3	-11.3
31.0	418.3	429.4	429.3	-11.1	-11.1
30.0	418.3	429.2	429.1	-10.9	-10.8
29.0	418.3	428.9	428.9	-10.7	-10.6
28.0	418.3	428.7	428.7	-10.5	-10.4
27.0	418.3	428.5	428.4	-10.2	-10.2
26.0	418.2	428.3	428.2	-10.0	-10.0
25.0	418.2	428.0	428.0	-9.8	-9.8
24.0	418.2	427.8	427.8	-9.6	-9.6
23.0	418.2	427.6	427.6	-9.4	-9.3
22.0	418.2	427.4	427.3	-9.2	-9.1
21.5	418.2	427.3	427.2	-9.1	-9.0

May 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	432.3	432.2	-13.9	-13.8
43.0	418.4	432.3	432.2	-13.9	-13.8
42.0	418.4	432.1	431.9	-13.7	-13.5
41.0	418.4	431.8	431.7	-13.5	-13.3
40.0	418.4	431.6	431.5	-13.2	-13.1
39.0	418.4	431.4	431.3	-13.0	-12.9
38.0	418.4	431.2	431.0	-12.8	-12.7
37.0	418.3	430.9	430.8	-12.6	-12.5
36.0	418.3	430.7	430.6	-12.4	-12.3
35.0	418.3	430.5	430.4	-12.2	-12.0
34.0	418.3	430.3	430.1	-12.0	-11.8
33.0	418.3	430.1	429.9	-11.7	-11.6
32.0	418.3	429.8	429.7	-11.5	-11.4
31.0	418.3	429.6	429.5	-11.3	-11.2
30.0	418.3	429.4	429.2	-11.1	-11.0
29.0	418.3	429.2	429.0	-10.9	-10.8
28.0	418.3	428.9	428.8	-10.7	-10.5
27.0	418.3	428.7	428.6	-10.5	-10.3
26.0	418.2	428.5	428.4	-10.2	-10.1
25.0	418.2	428.3	428.1	-10.0	-9.9
24.0	418.2	428.0	427.9	-9.8	-9.7
23.0	418.2	427.8	427.7	-9.6	-9.5
22.0	418.2	427.6	427.5	-9.4	-9.3
21.5	418.2	427.5	427.4	-9.3	-9.2

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.

Comprehensive Survey

1. Sounded MAY 10, 2020 & MAY 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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 MAY 2020	432.3 (08:00) 432.2 (15:00)	427.5 (08:00) 427.4 (15:00)

ELEVATIONS ARE REFERRED TO NGVD. CONTOURS ARE BELOW 1994-97 LOW WATER REFERENCE PLANE (LWRP) (SEE DWG. C-5)

Survey Dates: MAY 11, 2020
MAY 10, 2020

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

APPROVED:
Chief, Geospatial Branch

File name: ILR_080_000_mp_sht44.dgn
Plot date: 7/5/2020
Plot scale: 1" = 200'

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

ILLINOIS RIVER BASIN

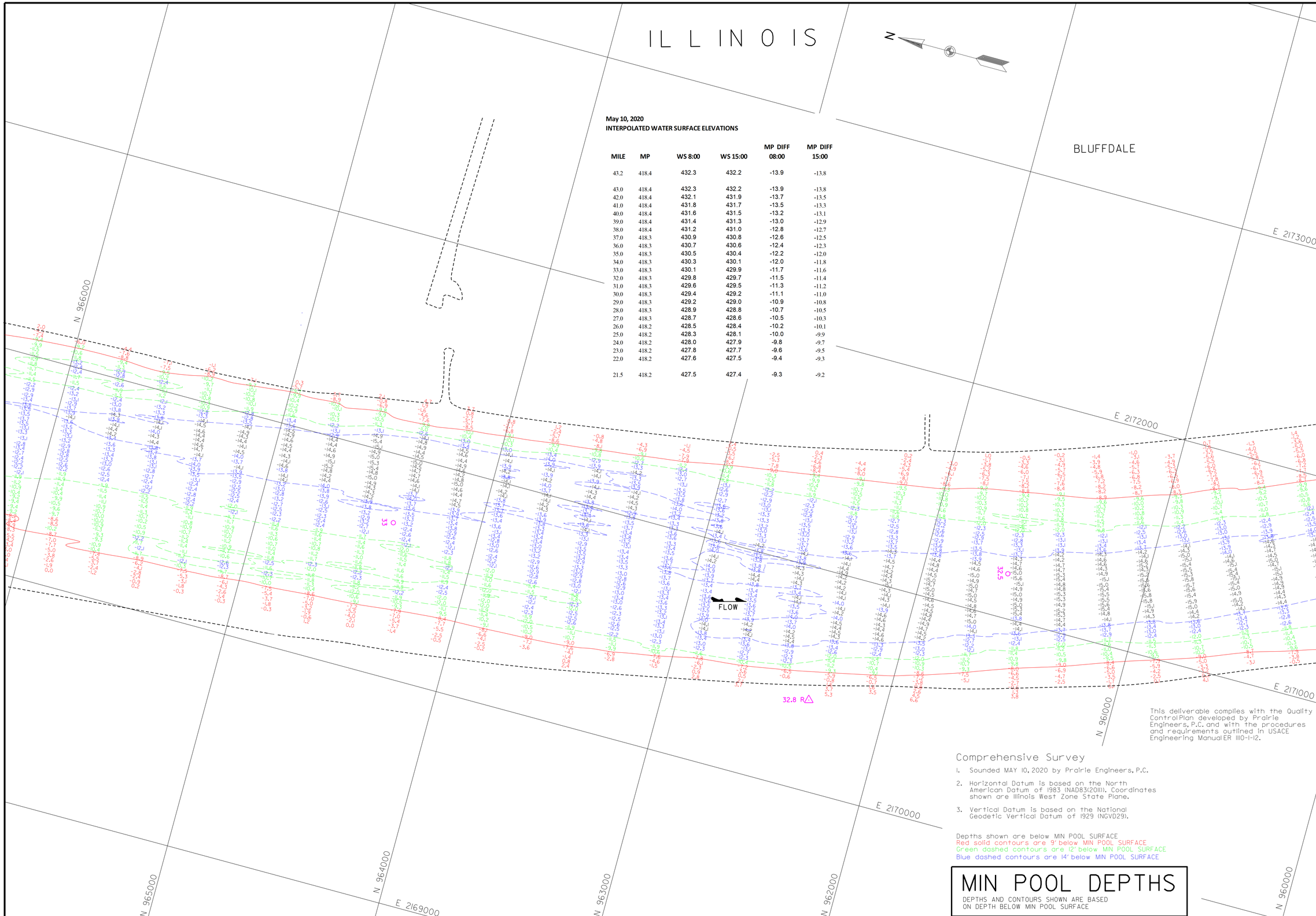
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY THE ORGANIZATION HEREINAFTER SHOWN AND IS AN ACCURATE REPRESENTATION OF THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
44



May 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	432.3	432.2	-13.9	-13.8
43.0	418.4	432.3	432.2	-13.9	-13.8
42.0	418.4	432.1	431.9	-13.7	-13.5
41.0	418.4	431.8	431.7	-13.5	-13.3
40.0	418.4	431.6	431.5	-13.2	-13.1
39.0	418.4	431.4	431.3	-13.0	-12.9
38.0	418.4	431.2	431.0	-12.8	-12.7
37.0	418.3	430.9	430.8	-12.6	-12.5
36.0	418.3	430.7	430.6	-12.4	-12.3
35.0	418.3	430.5	430.4	-12.2	-12.0
34.0	418.3	430.3	430.1	-12.0	-11.8
33.0	418.3	430.1	429.9	-11.7	-11.6
32.0	418.3	429.8	429.7	-11.5	-11.4
31.0	418.3	429.6	429.5	-11.3	-11.2
30.0	418.3	429.4	429.2	-11.1	-11.0
29.0	418.3	429.2	429.0	-10.9	-10.8
28.0	418.3	428.9	428.8	-10.7	-10.5
27.0	418.3	428.7	428.6	-10.5	-10.3
26.0	418.2	428.5	428.4	-10.2	-10.1
25.0	418.2	428.3	428.1	-10.0	-9.9
24.0	418.2	428.0	427.9	-9.8	-9.7
23.0	418.2	427.8	427.7	-9.6	-9.5
22.0	418.2	427.6	427.5	-9.4	-9.3
21.5	418.2	427.5	427.4	-9.3	-9.2

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.

Comprehensive Survey

1. Sounded MAY 10, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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 MAY 2020	432.3 (08:00) 427.5 (08:00)
		432.2 (15:00) 427.4 (15:00)

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: MAY 10, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht45.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

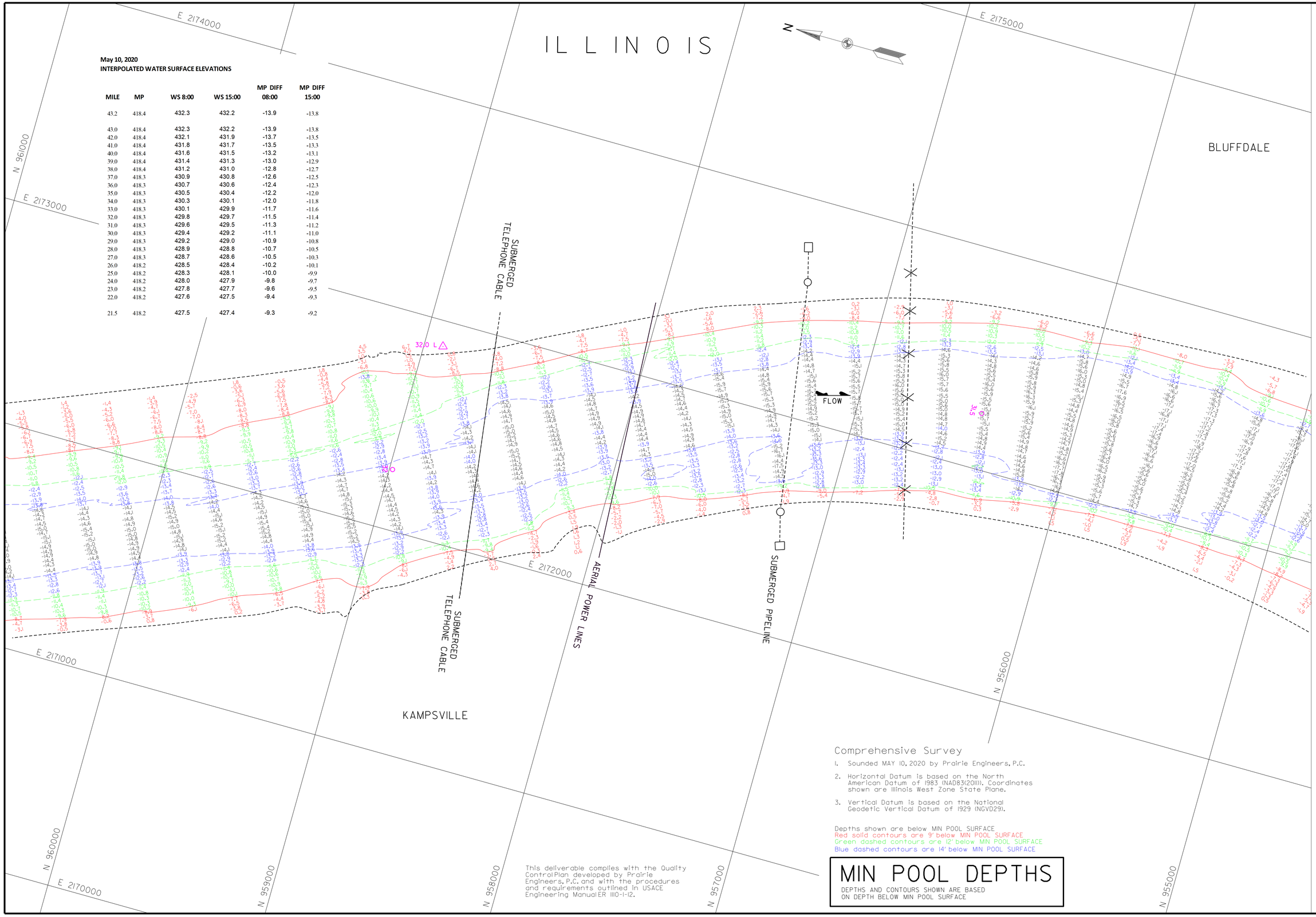
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
45



May 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	432.3	432.2	-13.9	-13.8
43.0	418.4	432.3	432.2	-13.9	-13.8
42.0	418.4	432.1	431.9	-13.7	-13.5
41.0	418.4	431.8	431.7	-13.5	-13.3
40.0	418.4	431.6	431.5	-13.2	-13.1
39.0	418.4	431.4	431.3	-13.0	-12.9
38.0	418.4	431.2	431.0	-12.8	-12.7
37.0	418.3	430.9	430.8	-12.6	-12.5
36.0	418.3	430.7	430.6	-12.4	-12.3
35.0	418.3	430.5	430.4	-12.2	-12.0
34.0	418.3	430.3	430.1	-12.0	-11.8
33.0	418.3	430.1	429.9	-11.7	-11.6
32.0	418.3	429.8	429.7	-11.5	-11.4
31.0	418.3	429.6	429.5	-11.3	-11.2
30.0	418.3	429.4	429.2	-11.1	-11.0
29.0	418.3	429.2	429.0	-10.9	-10.8
28.0	418.3	428.9	428.8	-10.7	-10.5
27.0	418.3	428.7	428.6	-10.5	-10.3
26.0	418.2	428.5	428.4	-10.2	-10.1
25.0	418.2	428.3	428.1	-10.0	-9.9
24.0	418.2	428.0	427.9	-9.8	-9.7
23.0	418.2	427.8	427.7	-9.6	-9.5
22.0	418.2	427.6	427.5	-9.4	-9.3
21.5	418.2	427.5	427.4	-9.3	-9.2

Comprehensive Survey

1. Sounded MAY 10, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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 MAY 2020	432.3 (08:00)	427.5 (08:00)
		432.2 (15:00)	427.4 (15:00)

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: MAY 10, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR.080.000.mp.sht46.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
46

BLUFFDALE

IL L IN O IS

E 2174000

E 2173000

E 2172000

E 2171000

N 955000

N 954000

N 953000

N 952000

N 951000

N 950000

BLUFFDALE

WILLOW ISLAND

SOUNDED MAY 10, 2020
SOUNDED FEBRUARY 18, 2020

SOUNDED FEBRUARY 18, 2020
SOUNDED MAY 10, 2020

SOUNDED MAY 10, 2020
SOUNDED MAY 09, 2020

30.7 L

30.6 R

30.1 L

FLOW

Feb. 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 17:00	MP DIFF 12:00	MP DIFF 17:00
41.0	418.4	426.7	426.7	-8.3	-8.3
40.0	418.4	426.5	426.5	-8.2	-8.2
39.0	418.4	426.3	426.3	-8.0	-8.0
38.0	418.4	426.2	426.2	-7.8	-7.8
37.0	418.3	426.0	426.0	-7.6	-7.6
36.0	418.3	425.8	425.8	-7.5	-7.5
35.0	418.3	425.6	425.6	-7.3	-7.3
34.0	418.3	425.5	425.5	-7.1	-7.1
33.0	418.3	425.3	425.3	-7.0	-7.0
32.0	418.3	425.1	425.1	-6.8	-6.8
31.0	418.3	424.9	424.9	-6.6	-6.6
30.0	418.3	424.7	424.7	-6.5	-6.5

May 09, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	432.5	432.5	-14.1	-14.1
43.0	418.4	432.5	432.5	-14.1	-14.1
42.0	418.4	432.2	432.2	-13.8	-13.8
41.0	418.4	432.0	432.0	-13.6	-13.6
40.0	418.4	431.8	431.8	-13.4	-13.4
39.0	418.4	431.5	431.5	-13.2	-13.2
38.0	418.4	431.3	431.3	-13.0	-13.0
37.0	418.3	431.1	431.1	-12.7	-12.7
36.0	418.3	430.9	430.9	-12.5	-12.5
35.0	418.3	430.6	430.6	-12.3	-12.3
34.0	418.3	430.4	430.4	-12.1	-12.1
33.0	418.3	430.2	430.2	-11.9	-11.9
32.0	418.3	430.0	430.0	-11.7	-11.7
31.0	418.3	429.7	429.7	-11.4	-11.4
30.0	418.3	429.5	429.5	-11.2	-11.2
29.0	418.3	429.3	429.3	-11.0	-11.0
28.0	418.3	429.0	429.0	-10.8	-10.8
27.0	418.3	428.8	428.8	-10.6	-10.6
26.0	418.2	428.6	428.6	-10.3	-10.3
25.0	418.2	428.4	428.4	-10.1	-10.1
24.0	418.2	428.1	428.1	-9.9	-9.9
23.0	418.2	427.9	427.9	-9.7	-9.7
22.0	418.2	427.7	427.7	-9.5	-9.5
21.5	418.2	427.6	427.6	-9.4	-9.4

May 10, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	432.3	432.2	-13.9	-13.8
43.0	418.4	432.3	432.2	-13.9	-13.8
42.0	418.4	432.1	431.9	-13.7	-13.5
41.0	418.4	431.8	431.7	-13.5	-13.3
40.0	418.4	431.6	431.5	-13.2	-13.1
39.0	418.4	431.4	431.3	-13.0	-12.9
38.0	418.4	431.2	431.0	-12.8	-12.7
37.0	418.3	430.9	430.8	-12.6	-12.5
36.0	418.3	430.7	430.6	-12.4	-12.3
35.0	418.3	430.5	430.4	-12.2	-12.0
34.0	418.3	430.3	430.1	-12.0	-11.8
33.0	418.3	430.1	429.9	-11.7	-11.6
32.0	418.3	429.8	429.7	-11.5	-11.4
31.0	418.3	429.6	429.5	-11.3	-11.2
30.0	418.3	429.4	429.2	-11.1	-11.0
29.0	418.3	429.2	429.0	-10.9	-10.8
28.0	418.3	428.9	428.8	-10.7	-10.5
27.0	418.3	428.7	428.6	-10.5	-10.3
26.0	418.2	428.5	428.4	-10.2	-10.1
25.0	418.2	428.3	428.1	-10.0	-9.9
24.0	418.2	428.0	427.9	-9.8	-9.7
23.0	418.2	427.8	427.7	-9.6	-9.5
22.0	418.2	427.6	427.5	-9.4	-9.3
21.5	418.2	427.5	427.4	-9.3	-9.2

Comprehensive Survey

1. Sounded FEBRUARY 18, 2020, MAY 9, 2020 & MAY 10, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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 ControlPlan 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
WATER SURFACE		
ZERO N.G.V.D.	400.0	400.0
MILE	43.2	21.5
MIN. POOL	418.4	418.2
DATE		
10 MAY 2020	432.3 (108.00)	427.5 (108.00)
	432.2 (1500)	427.4 (1500)

ELEVATIONS ARE REFERRED TO NGVD. CONTOURS ARE BELOW 1954 ST. LOW WATER REFERENCE PLANE. (LWRP) (54.00) (ST.L)

Surveyed by: PRAIRIE ENGINEERS
Survey Dates: FEBRUARY 18, 2020 MAY 9, 2020 MAY 10, 2020

Drawn by: JLK/BJB
Ckd by: DEF

Reviewed by:

APPROVED: Chief, Geospatial Branch

SUBMITTED: Chief, Engr. Data Mngt. Sect.

File name: ILR_080_000_mp_sht47.dgn

Plot date: 7/5/2020
Plot scale: 1" = 200'

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

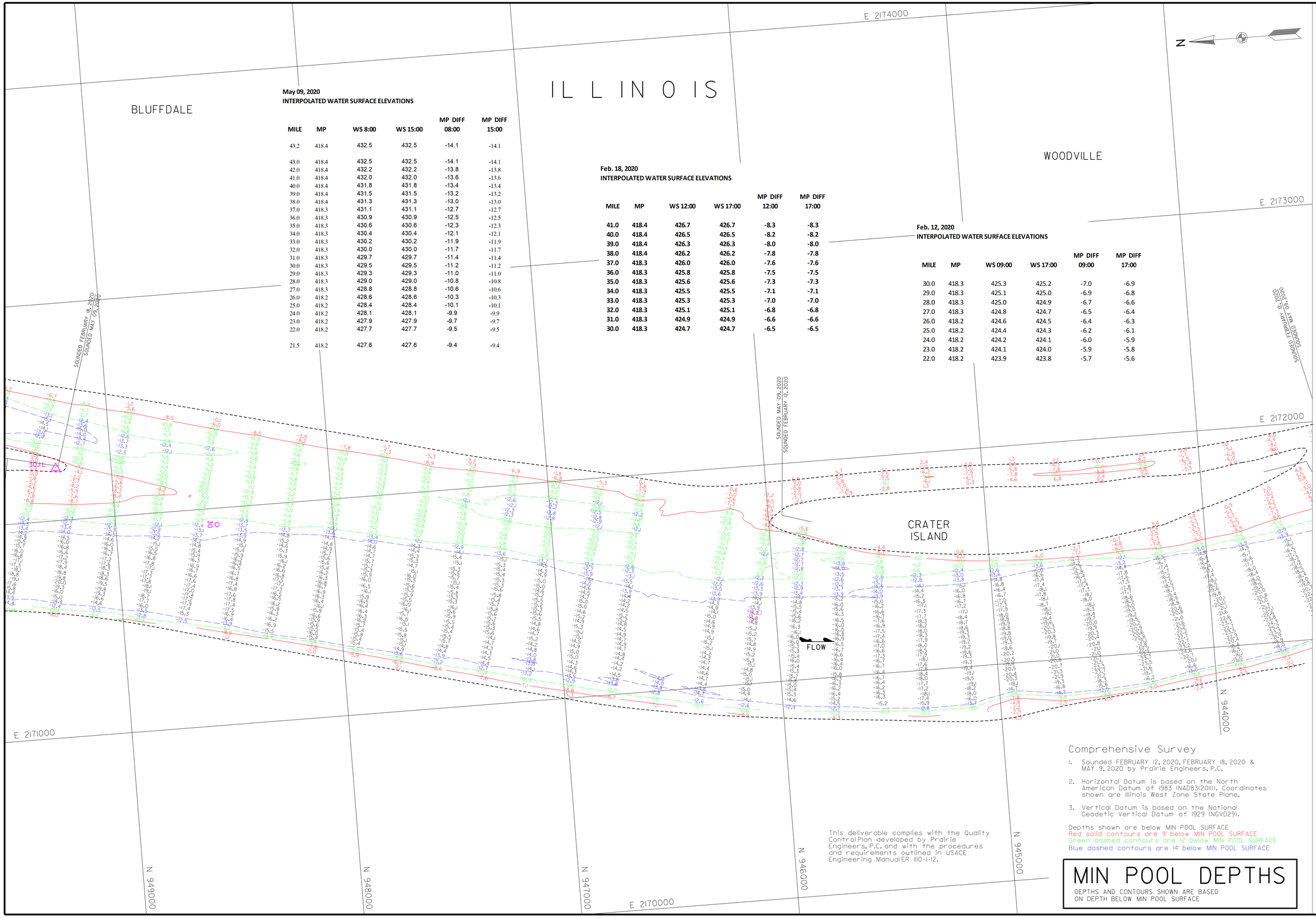
120 METERS 60 0 60 200 400 FEET

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER

47



May 09, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	432.5	432.5	-14.1	-14.1
43.0	418.4	432.5	432.5	-14.1	-14.1
42.0	418.4	432.2	432.2	-13.8	-13.8
41.0	418.4	432.0	432.0	-13.6	-13.6
40.0	418.4	431.8	431.8	-13.4	-13.4
39.0	418.4	431.5	431.5	-13.2	-13.2
38.0	418.4	431.3	431.3	-13.0	-13.0
37.0	418.3	431.1	431.1	-12.7	-12.7
36.0	418.3	430.9	430.9	-12.5	-12.5
35.0	418.3	430.6	430.6	-12.3	-12.3
34.0	418.3	430.4	430.4	-12.1	-12.1
33.0	418.3	430.2	430.2	-11.9	-11.9
32.0	418.3	430.0	430.0	-11.7	-11.7
31.0	418.3	429.7	429.7	-11.4	-11.4
30.0	418.3	429.5	429.5	-11.2	-11.2
29.0	418.3	429.3	429.3	-11.0	-11.0
28.0	418.3	429.0	429.0	-10.8	-10.8
27.0	418.3	428.8	428.8	-10.6	-10.6
26.0	418.2	428.6	428.6	-10.3	-10.3
25.0	418.2	428.4	428.4	-10.1	-10.1
24.0	418.2	428.1	428.1	-9.9	-9.9
23.0	418.2	427.9	427.9	-9.7	-9.7
22.0	418.2	427.7	427.7	-9.5	-9.5
21.5	418.2	427.6	427.6	-9.4	-9.4

Feb. 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 17:00	MP DIFF 12:00	MP DIFF 17:00
41.0	418.4	426.7	426.7	-8.3	-8.3
40.0	418.4	426.5	426.5	-8.2	-8.2
39.0	418.4	426.3	426.3	-8.0	-8.0
38.0	418.4	426.2	426.2	-7.8	-7.8
37.0	418.3	426.0	426.0	-7.6	-7.6
36.0	418.3	425.8	425.8	-7.5	-7.5
35.0	418.3	425.6	425.6	-7.3	-7.3
34.0	418.3	425.5	425.5	-7.1	-7.1
33.0	418.3	425.3	425.3	-7.0	-7.0
32.0	418.3	425.1	425.1	-6.8	-6.8
31.0	418.3	424.9	424.9	-6.6	-6.6
30.0	418.3	424.7	424.7	-6.5	-6.5

Feb. 12, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MP DIFF 09:00	MP DIFF 17:00
30.0	418.3	425.3	425.2	-7.0	-6.9
29.0	418.3	425.1	425.0	-6.9	-6.8
28.0	418.3	425.0	424.9	-6.7	-6.6
27.0	418.3	424.8	424.7	-6.5	-6.4
26.0	418.2	424.6	424.5	-6.4	-6.3
25.0	418.2	424.4	424.3	-6.2	-6.1
24.0	418.2	424.2	424.1	-6.0	-5.9
23.0	418.2	424.1	424.0	-5.9	-5.8
22.0	418.2	423.9	423.8	-5.7	-5.6

Comprehensive Survey

1. Sounded FEBRUARY 12, 2020, FEBRUARY 18, 2020 & MAY 9, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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 ControlPlan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering ManualER 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	09 MAY 2020	427.6 (08:00) 427.6 (15:00)
	09 MAY 2020	432.5 (08:00) 432.5 (15:00)

ELEVATIONS ARE REFERRED TO NGVD. CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (54.000 CFS)

Survey Dates: FEBRUARY 12, 2020, FEBRUARY 18, 2020, MAY 9, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht48.dgn
Plot date: 7/5/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Checked by: DEF
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 0 200 400 FEET
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE CONDITIONS AS SURVEYED ON THE DATES INDICATED AND MAY NOT BE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
48

ILLINOIS

WOODVILLE

CRATER ISLAND

HURRICANE ISLAND

DIVIDING RIDGE

Feb. 12, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MP DIFF 09:00	MP DIFF 17:00
30.0	418.3	425.3	425.2	-7.0	-6.9
29.0	418.3	425.1	425.0	-6.9	-6.8
28.0	418.3	425.0	424.9	-6.7	-6.6
27.0	418.3	424.8	424.7	-6.5	-6.4
26.0	418.2	424.6	424.5	-6.4	-6.3
25.0	418.2	424.4	424.3	-6.2	-6.1
24.0	418.2	424.2	424.1	-6.0	-5.9
23.0	418.2	424.1	424.0	-5.9	-5.8
22.0	418.2	423.9	423.8	-5.7	-5.6

May 09, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	432.5	432.5	-14.1	-14.1
43.0	418.4	432.5	432.5	-14.1	-14.1
42.0	418.4	432.2	432.2	-13.8	-13.8
41.0	418.4	432.0	432.0	-13.6	-13.6
40.0	418.4	431.8	431.8	-13.4	-13.4
39.0	418.4	431.5	431.5	-13.2	-13.2
38.0	418.4	431.3	431.3	-13.0	-13.0
37.0	418.3	431.1	431.1	-12.7	-12.7
36.0	418.3	430.9	430.9	-12.5	-12.5
35.0	418.3	430.6	430.6	-12.3	-12.3
34.0	418.3	430.4	430.4	-12.1	-12.1
33.0	418.3	430.2	430.2	-11.9	-11.9
32.0	418.3	430.0	430.0	-11.7	-11.7
31.0	418.3	429.7	429.7	-11.4	-11.4
30.0	418.3	429.5	429.5	-11.2	-11.2
29.0	418.3	429.3	429.3	-11.0	-11.0
28.0	418.3	429.0	429.0	-10.8	-10.8
27.0	418.3	428.8	428.8	-10.6	-10.6
26.0	418.2	428.6	428.6	-10.3	-10.3
25.0	418.2	428.4	428.4	-10.1	-10.1
24.0	418.2	428.1	428.1	-9.9	-9.9
23.0	418.2	427.9	427.9	-9.7	-9.7
22.0	418.2	427.7	427.7	-9.5	-9.5
21.5	418.2	427.6	427.6	-9.4	-9.4

R28.2 L

29.0 R

FLOW

SOUNDED FEBRUARY 12, 2020
SOUNDED MAY 09, 2020

E 2175000
E 2174000
E 2173000
E 2172000
E 2171000
E 2170000

N 944000
N 943000
N 942000
N 941000
N 940000
N 939000
N 938000

Comprehensive Survey

1. Sounded FEBRUARY 12, 2020 & MAY 9, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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 ControlPlan 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	09 MAY 2020	427.6 (08:00) 427.6 (15:00)
	432.5 (08:00) 432.5 (15:00)	

ELEVATIONS ARE REFERED TO NGVD. CONTOURS ARE BELOW 1994-97 LOW WATER REFERENCE PLANE (L:\MOV\1364000 CY-SU)

Survey Date: FEBRUARY 12, 2020
MAY 9, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: ILR_080_000_mp_sht49.dgn

Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
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 60 200
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED AT THE TIME INDICATED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER

49

WOODVILLE

ILLINOIS

E 2175000

E 2174000

E 2173000

E 2171000

E 2172000

N 938000

N 937000

N 936000

N 935000

N 934000

N 933000

HURRICANE ISLAND

DIVIDING RIDGE

FLOW

27.6 L

27.3 L

27.3 R

May 09, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	432.5	432.5	-14.1	-14.1
43.0	418.4	432.5	432.5	-14.1	-14.1
42.0	418.4	432.2	432.2	-13.8	-13.8
41.0	418.4	432.0	432.0	-13.6	-13.6
40.0	418.4	431.8	431.8	-13.4	-13.4
39.0	418.4	431.5	431.5	-13.2	-13.2
38.0	418.4	431.3	431.3	-13.0	-13.0
37.0	418.3	431.1	431.1	-12.7	-12.7
36.0	418.3	430.9	430.9	-12.5	-12.5
35.0	418.3	430.6	430.6	-12.3	-12.3
34.0	418.3	430.4	430.4	-12.1	-12.1
33.0	418.3	430.2	430.2	-11.9	-11.9
32.0	418.3	430.0	430.0	-11.7	-11.7
31.0	418.3	429.7	429.7	-11.4	-11.4
30.0	418.3	429.5	429.5	-11.2	-11.2
29.0	418.3	429.3	429.3	-11.0	-11.0
28.0	418.3	429.0	429.0	-10.8	-10.8
27.0	418.3	428.8	428.8	-10.6	-10.6
26.0	418.2	428.6	428.6	-10.3	-10.3
25.0	418.2	428.4	428.4	-10.1	-10.1
24.0	418.2	428.1	428.1	-9.9	-9.9
23.0	418.2	427.9	427.9	-9.7	-9.7
22.0	418.2	427.7	427.7	-9.5	-9.5
21.5	418.2	427.6	427.6	-9.4	-9.4

Feb. 12, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MP DIFF 09:00	MP DIFF 17:00
30.0	418.3	425.3	425.2	-7.0	-6.9
29.0	418.3	425.1	425.0	-6.9	-6.8
28.0	418.3	425.0	424.9	-6.7	-6.6
27.0	418.3	424.8	424.7	-6.5	-6.4
26.0	418.2	424.6	424.5	-6.4	-6.3
25.0	418.2	424.4	424.3	-6.2	-6.1
24.0	418.2	424.2	424.1	-6.0	-5.9
23.0	418.2	424.1	424.0	-5.9	-5.8
22.0	418.2	423.9	423.8	-5.7	-5.6

Comprehensive Survey

1. Sounded FEBRUARY 12, 2020 & MAY 9, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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 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

	PEARL	HARDIN
WATER SURFACE ZERO N.G.V.D.	400.0	400.0
MILE	43.2	21.5
MIN. POOL	418.4	418.2
DATE	09 MAY 2020	432.5 (08:00) 427.6 (15:00)	427.6 (08:00) 427.6 (15:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (L.W.R.P.) (540.000 C.F.S.)

Survey Date: FEBRUARY 12, 2020
MAY 9, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: ILR_080_000_mp_sh150.dgn

Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS

Drawn by: JLK/BJB

Ckd by: DEF

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

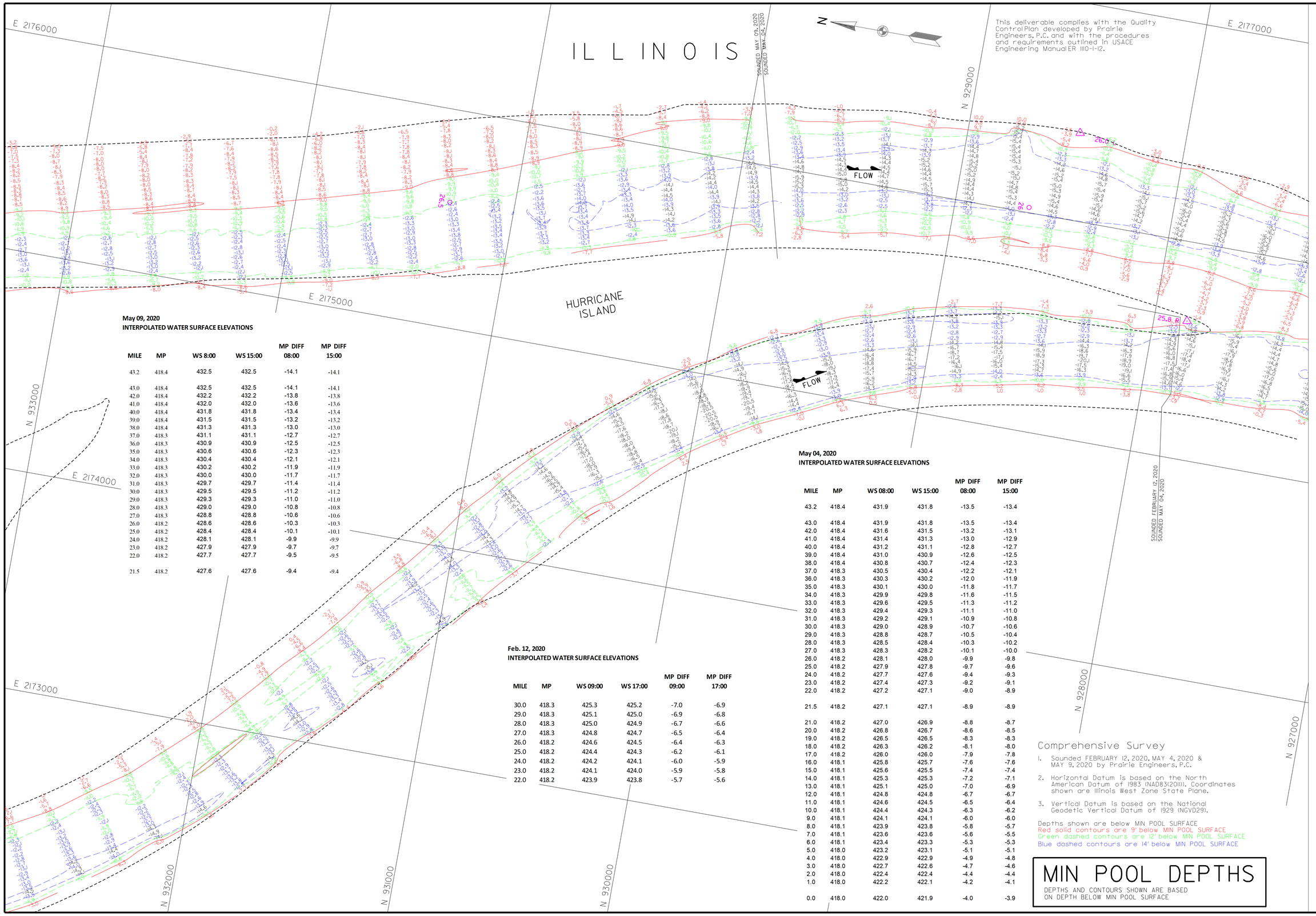
120 METERS 60 0 200 400 FEET

THE INFORMATION REPRESENTED ON THIS MAP IS THE RESULT OF SURVEYS PERFORMED BY OTHERS AND SHOWN HEREON AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER

50



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.

May 09, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	432.5	432.5	-14.1	-14.1
43.0	418.4	432.5	432.5	-14.1	-14.1
42.0	418.4	432.2	432.2	-13.8	-13.8
41.0	418.4	432.0	432.0	-13.6	-13.6
40.0	418.4	431.8	431.8	-13.4	-13.4
39.0	418.4	431.5	431.5	-13.2	-13.2
38.0	418.4	431.3	431.3	-13.0	-13.0
37.0	418.3	431.1	431.1	-12.7	-12.7
36.0	418.3	430.9	430.9	-12.5	-12.5
35.0	418.3	430.6	430.6	-12.3	-12.3
34.0	418.3	430.4	430.4	-12.1	-12.1
33.0	418.3	430.2	430.2	-11.9	-11.9
32.0	418.3	430.0	430.0	-11.7	-11.7
31.0	418.3	429.7	429.7	-11.4	-11.4
30.0	418.3	429.5	429.5	-11.2	-11.2
29.0	418.3	429.3	429.3	-11.0	-11.0
28.0	418.3	429.0	429.0	-10.8	-10.8
27.0	418.3	428.8	428.8	-10.6	-10.6
26.0	418.2	428.6	428.6	-10.3	-10.3
25.0	418.2	428.4	428.4	-10.1	-10.1
24.0	418.2	428.1	428.1	-9.9	-9.9
23.0	418.2	427.9	427.9	-9.7	-9.7
22.0	418.2	427.7	427.7	-9.5	-9.5
21.5	418.2	427.6	427.6	-9.4	-9.4

May 04, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	431.9	431.8	-13.5	-13.4
43.0	418.4	431.9	431.8	-13.5	-13.4
42.0	418.4	431.6	431.5	-13.2	-13.1
41.0	418.4	431.4	431.3	-13.0	-12.9
40.0	418.4	431.2	431.1	-12.8	-12.7
39.0	418.4	431.0	430.9	-12.6	-12.5
38.0	418.4	430.8	430.7	-12.4	-12.3
37.0	418.3	430.5	430.4	-12.2	-12.1
36.0	418.3	430.3	430.2	-12.0	-11.9
35.0	418.3	430.1	430.0	-11.8	-11.7
34.0	418.3	429.9	429.8	-11.6	-11.5
33.0	418.3	429.6	429.5	-11.3	-11.2
32.0	418.3	429.4	429.3	-11.1	-11.0
31.0	418.3	429.2	429.1	-10.9	-10.8
30.0	418.3	429.0	428.9	-10.7	-10.6
29.0	418.3	428.8	428.7	-10.5	-10.4
28.0	418.3	428.5	428.4	-10.3	-10.2
27.0	418.3	428.3	428.2	-10.1	-10.0
26.0	418.2	428.1	428.0	-9.9	-9.8
25.0	418.2	427.9	427.8	-9.7	-9.6
24.0	418.2	427.7	427.6	-9.4	-9.3
23.0	418.2	427.4	427.3	-9.2	-9.1
22.0	418.2	427.2	427.1	-9.0	-8.9
21.5	418.2	427.1	427.1	-8.9	-8.9
21.0	418.2	427.0	426.9	-8.8	-8.7
20.0	418.2	426.8	426.7	-8.6	-8.5
19.0	418.2	426.5	426.5	-8.3	-8.3
18.0	418.2	426.3	426.2	-8.1	-8.0
17.0	418.2	426.0	426.0	-7.9	-7.8
16.0	418.1	425.8	425.7	-7.6	-7.6
15.0	418.1	425.6	425.5	-7.4	-7.4
14.0	418.1	425.3	425.3	-7.2	-7.1
13.0	418.1	425.1	425.0	-7.0	-6.9
12.0	418.1	424.8	424.8	-6.7	-6.7
11.0	418.1	424.6	424.5	-6.5	-6.4
10.0	418.1	424.4	424.3	-6.3	-6.2
9.0	418.1	424.1	424.1	-6.0	-6.0
8.0	418.1	423.9	423.8	-5.8	-5.7
7.0	418.1	423.6	423.6	-5.6	-5.5
6.0	418.1	423.4	423.3	-5.3	-5.3
5.0	418.0	423.2	423.1	-5.1	-5.1
4.0	418.0	422.9	422.9	-4.9	-4.8
3.0	418.0	422.7	422.6	-4.7	-4.6
2.0	418.0	422.4	422.4	-4.4	-4.4
1.0	418.0	422.2	422.1	-4.2	-4.1
0.0	418.0	422.0	421.9	-4.0	-3.9

Feb. 12, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MP DIFF 09:00	MP DIFF 17:00
30.0	418.3	425.3	425.2	-7.0	-6.9
29.0	418.3	425.1	425.0	-6.9	-6.8
28.0	418.3	425.0	424.9	-6.7	-6.6
27.0	418.3	424.8	424.7	-6.5	-6.4
26.0	418.2	424.6	424.5	-6.4	-6.3
25.0	418.2	424.4	424.3	-6.2	-6.1
24.0	418.2	424.2	424.1	-6.0	-5.9
23.0	418.2	424.1	424.0	-5.9	-5.8
22.0	418.2	423.9	423.8	-5.7	-5.6

Comprehensive Survey

1. Sounded FEBRUARY 12, 2020, MAY 4, 2020 & MAY 9, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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

	PEARL	HARDIN
WATER SURFACE		
ZERO N.G.V.D.	400.0	400.0
MILE	43.2	21.5
MIN. POOL	418.4	418.2
DATE		
09 MAY 2020	432.5 (08:00)	427.6 (08:00)
	432.5 (15:00)	427.6 (15:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (SEE DWG C7-5)

Survey Dates FEBRUARY 12, 2020
MAY 4, 2020
MAY 9, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: ILR_080_000_mp_ahSopn

Plot date: 7/5/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Checked by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

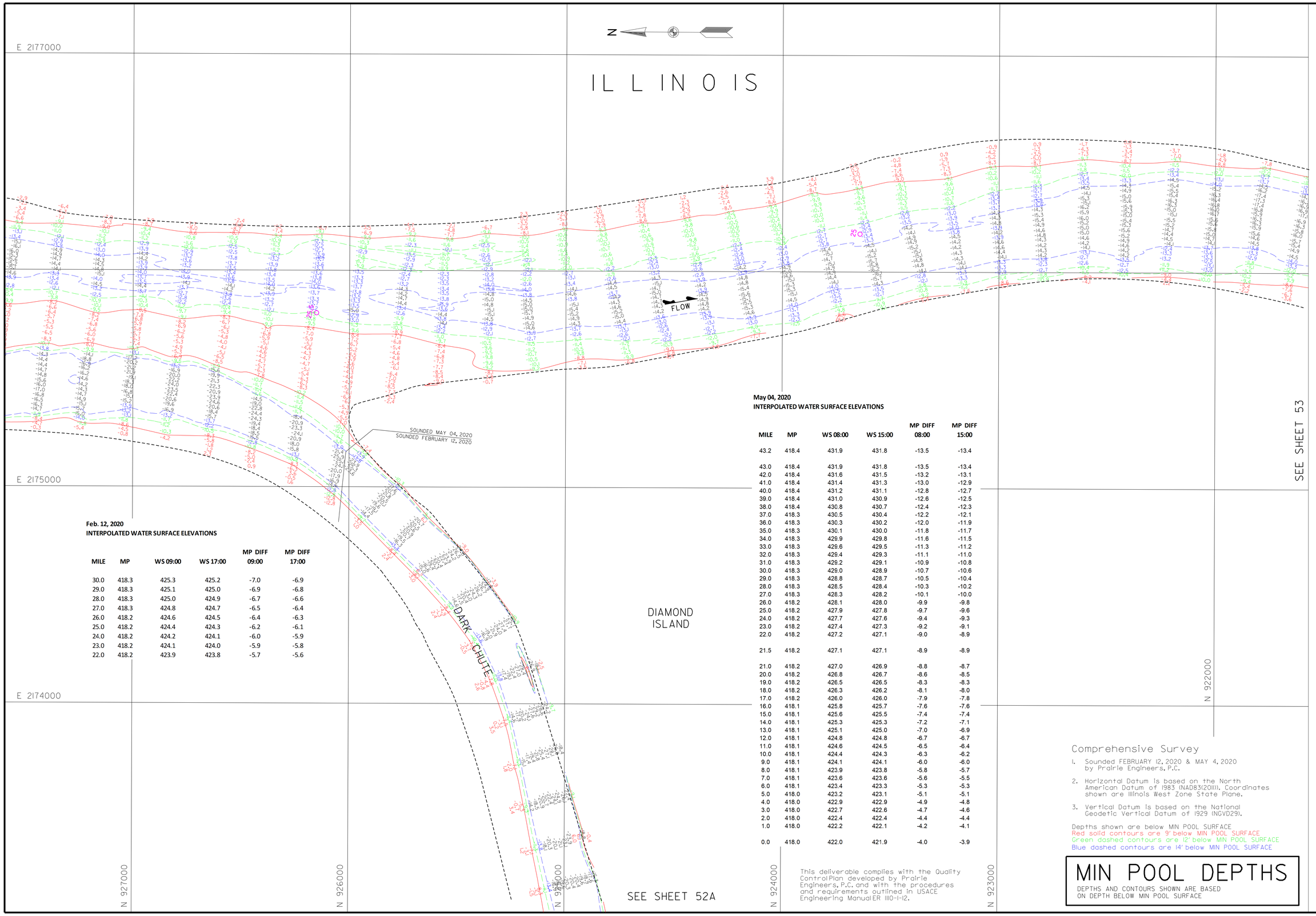
120 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY PRAIRIE ENGINEERS, P.C. AND IS PRESENTED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER

51



Feb. 12, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MP DIFF 09:00	MP DIFF 17:00
30.0	418.3	425.3	425.2	-7.0	-6.9
29.0	418.3	425.1	425.0	-6.9	-6.8
28.0	418.3	425.0	424.9	-6.7	-6.6
27.0	418.3	424.8	424.7	-6.5	-6.4
26.0	418.2	424.6	424.5	-6.4	-6.3
25.0	418.2	424.4	424.3	-6.2	-6.1
24.0	418.2	424.2	424.1	-6.0	-5.9
23.0	418.2	424.1	424.0	-5.9	-5.8
22.0	418.2	423.9	423.8	-5.7	-5.6

May 04, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	431.9	431.8	-13.5	-13.4
43.0	418.4	431.9	431.8	-13.5	-13.4
42.0	418.4	431.6	431.5	-13.2	-13.1
41.0	418.4	431.4	431.3	-13.0	-12.9
40.0	418.4	431.2	431.1	-12.8	-12.7
39.0	418.4	431.0	430.9	-12.6	-12.5
38.0	418.4	430.8	430.7	-12.4	-12.3
37.0	418.3	430.5	430.4	-12.2	-12.1
36.0	418.3	430.3	430.2	-12.0	-11.9
35.0	418.3	430.1	430.0	-11.8	-11.7
34.0	418.3	429.9	429.8	-11.6	-11.5
33.0	418.3	429.6	429.5	-11.3	-11.2
32.0	418.3	429.4	429.3	-11.1	-11.0
31.0	418.3	429.2	429.1	-10.9	-10.8
30.0	418.3	429.0	428.9	-10.7	-10.6
29.0	418.3	428.8	428.7	-10.5	-10.4
28.0	418.3	428.5	428.4	-10.3	-10.2
27.0	418.3	428.3	428.2	-10.1	-10.0
26.0	418.2	428.1	428.0	-9.9	-9.8
25.0	418.2	427.9	427.8	-9.7	-9.6
24.0	418.2	427.7	427.6	-9.4	-9.3
23.0	418.2	427.4	427.3	-9.2	-9.1
22.0	418.2	427.2	427.1	-9.0	-8.9
21.5	418.2	427.1	427.1	-8.9	-8.9
21.0	418.2	427.0	426.9	-8.8	-8.7
20.0	418.2	426.8	426.7	-8.6	-8.5
19.0	418.2	426.5	426.5	-8.3	-8.3
18.0	418.2	426.3	426.2	-8.1	-8.0
17.0	418.2	426.0	426.0	-7.9	-7.8
16.0	418.1	425.8	425.7	-7.6	-7.6
15.0	418.1	425.6	425.5	-7.4	-7.4
14.0	418.1	425.3	425.3	-7.2	-7.1
13.0	418.1	425.1	425.0	-7.0	-6.9
12.0	418.1	424.8	424.8	-6.7	-6.7
11.0	418.1	424.6	424.5	-6.5	-6.4
10.0	418.1	424.4	424.3	-6.3	-6.2
9.0	418.1	424.1	424.1	-6.0	-6.0
8.0	418.1	423.9	423.8	-5.8	-5.7
7.0	418.1	423.6	423.6	-5.6	-5.5
6.0	418.1	423.4	423.3	-5.3	-5.3
5.0	418.0	423.2	423.1	-5.1	-5.1
4.0	418.0	422.9	422.9	-4.9	-4.8
3.0	418.0	422.7	422.6	-4.7	-4.6
2.0	418.0	422.4	422.4	-4.4	-4.4
1.0	418.0	422.2	422.1	-4.2	-4.1
0.0	418.0	422.0	421.9	-4.0	-3.9

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.

Comprehensive Survey

1. Sounded FEBRUARY 12, 2020 & MAY 4, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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		PEARL	HARDIN
WATER SURFACE			
ZERO N.G.V.D.		400.0	400.0
	MILE	43.2	21.5
MIN. POOL		418.4	418.2
	DATE		
	04 MAY 2020	431.9 (08:00)	427.1 (08:00)
		431.8 (15:00)	427.1 (15:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (L:\MOV\104000 CAD\)

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED: Chief, Geospatial Branch
Survey Dates: FEBRUARY 12, 2020 MAY 4, 2020
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File names: ILR_080_000_mp_sh52.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

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

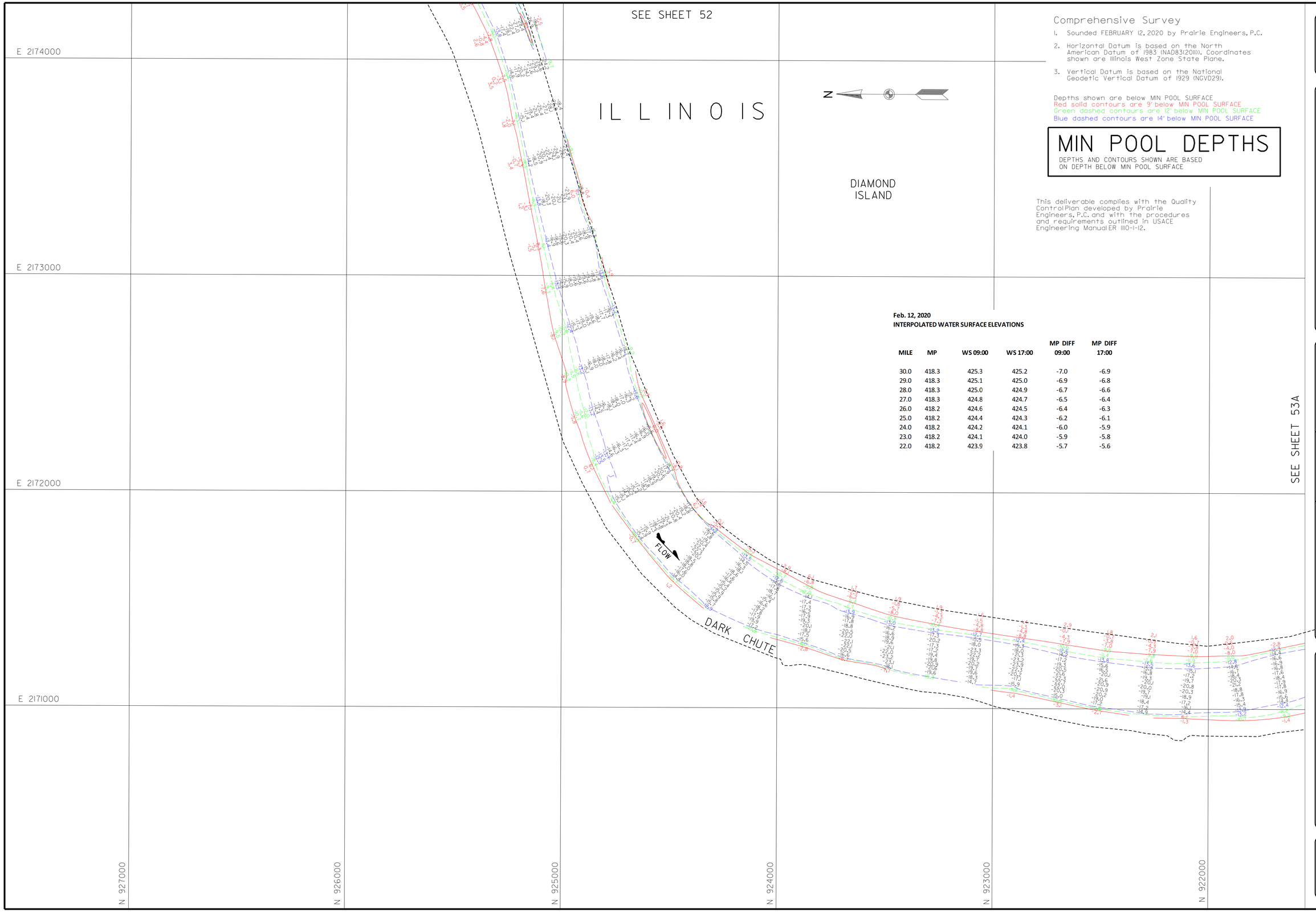
ILLINOIS RIVER BASIN

ILLINOIS RIVER

120 METERS 60 0 60 200 400 FEET
THIS INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY OTHERS AND IS SHOWN AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
52



Comprehensive Survey

1. Sounded FEBRUARY 12, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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.

Feb. 12, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MP DIFF 09:00	MP DIFF 17:00
30.0	418.3	425.3	425.2	-7.0	-6.9
29.0	418.3	425.1	425.0	-6.9	-6.8
28.0	418.3	425.0	424.9	-6.7	-6.6
27.0	418.3	424.8	424.7	-6.5	-6.4
26.0	418.2	424.6	424.5	-6.4	-6.3
25.0	418.2	424.4	424.3	-6.2	-6.1
24.0	418.2	424.2	424.1	-6.0	-5.9
23.0	418.2	424.1	424.0	-5.9	-5.8
22.0	418.2	423.9	423.8	-5.7	-5.6

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	04 MAY 2020	431.9 (08:00)	427.1 (08:00)
		431.8 (15:00)	427.1 (15:00)

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: FEBRUARY 12, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht52A.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
52A

ILLINOIS

E 2177000

E 2176000

E 2175000

E 2174000

E 2173000

N 922000

N 920000

N 918000

N 916000

N 917000

N 96000

WOODVILLE

DIAMOND ISLAND

24.0 L

LIGHT CHUTE

FLOW

SEE SHEET 53A

May 04, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	431.9	431.8	-13.5	-13.4
43.0	418.4	431.9	431.8	-13.5	-13.4
42.0	418.4	431.6	431.5	-13.2	-13.1
41.0	418.4	431.4	431.3	-13.0	-12.9
40.0	418.4	431.2	431.1	-12.8	-12.7
39.0	418.4	431.0	430.9	-12.6	-12.5
38.0	418.4	430.8	430.7	-12.4	-12.3
37.0	418.3	430.5	430.4	-12.2	-12.1
36.0	418.3	430.3	430.2	-12.0	-11.9
35.0	418.3	430.1	430.0	-11.8	-11.7
34.0	418.3	429.9	429.8	-11.6	-11.5
33.0	418.3	429.6	429.5	-11.3	-11.2
32.0	418.3	429.4	429.3	-11.1	-11.0
31.0	418.3	429.2	429.1	-10.9	-10.8
30.0	418.3	429.0	428.9	-10.7	-10.6
29.0	418.3	428.8	428.7	-10.5	-10.4
28.0	418.3	428.5	428.4	-10.3	-10.2
27.0	418.3	428.3	428.2	-10.1	-10.0
26.0	418.2	428.1	428.0	-9.9	-9.8
25.0	418.2	427.9	427.8	-9.7	-9.6
24.0	418.2	427.7	427.6	-9.4	-9.3
23.0	418.2	427.4	427.3	-9.2	-9.1
22.0	418.2	427.2	427.1	-9.0	-8.9
21.5	418.2	427.1	427.1	-8.9	-8.9
21.0	418.2	427.0	426.9	-8.8	-8.7
20.0	418.2	426.8	426.7	-8.6	-8.5
19.0	418.2	426.5	426.5	-8.3	-8.3
18.0	418.2	426.3	426.2	-8.1	-8.0
17.0	418.2	426.0	426.0	-7.9	-7.8
16.0	418.1	425.8	425.7	-7.6	-7.6
15.0	418.1	425.6	425.5	-7.4	-7.4
14.0	418.1	425.3	425.3	-7.2	-7.1
13.0	418.1	425.1	425.0	-7.0	-6.9
12.0	418.1	424.8	424.8	-6.7	-6.7
11.0	418.1	424.6	424.5	-6.5	-6.4
10.0	418.1	424.4	424.3	-6.3	-6.2
9.0	418.1	424.1	424.1	-6.0	-6.0
8.0	418.1	423.9	423.8	-5.8	-5.7
7.0	418.1	423.6	423.6	-5.6	-5.5
6.0	418.1	423.4	423.3	-5.3	-5.3
5.0	418.0	423.2	423.1	-5.1	-5.1
4.0	418.0	422.9	422.9	-4.9	-4.8
3.0	418.0	422.7	422.6	-4.7	-4.6
2.0	418.0	422.4	422.4	-4.4	-4.4
1.0	418.0	422.2	422.1	-4.2	-4.1
0.0	418.0	422.0	421.9	-4.0	-3.9

Comprehensive Survey

1. Sounded MAY 4, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	04 MAY 2020	43.9 108s001	427.1 108s001
		43.8 115s001	427.1 115s001

ELEVATIONS ARE REFERRED TO NGVD. CONTOURS ARE BELOW 1954-ST LOW WATER REFERENCE PLANE (LWRP) (54.000 CFS)

Survey Dates: MAY 4, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sh53.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

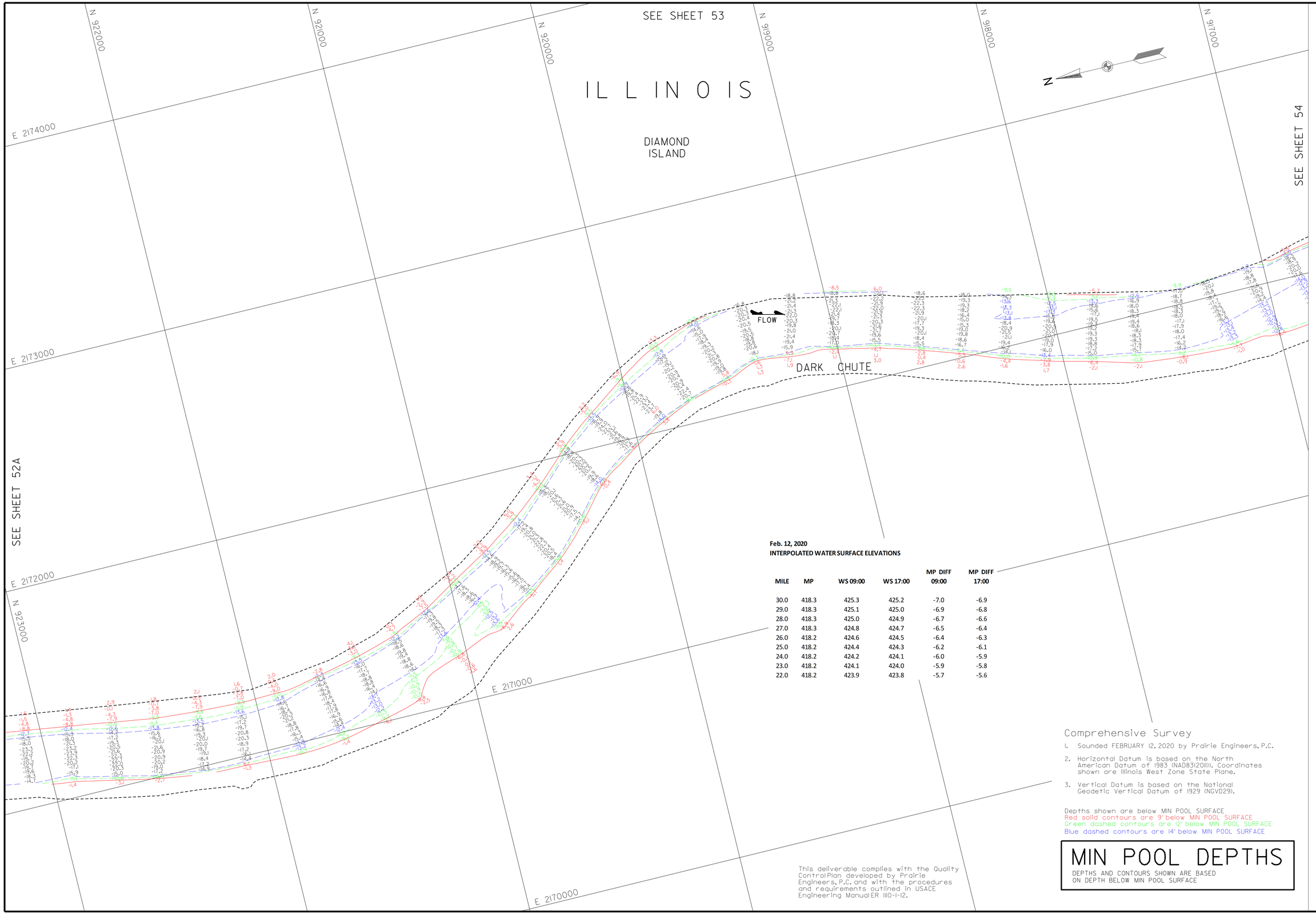
ILLINOIS RIVER

120 METERS 60 0 200 400 FEET

THE INFORMATION REPRESENTED ON THIS MAP PRESENTS THE RESULTS OF SURVEYS CONDUCTED BY THE ENGINEER AND IS SHOWN AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
53



Feb. 12, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MP DIFF 09:00	MP DIFF 17:00
30.0	418.3	425.3	425.2	-7.0	-6.9
29.0	418.3	425.1	425.0	-6.9	-6.8
28.0	418.3	425.0	424.9	-6.7	-6.6
27.0	418.3	424.8	424.7	-6.5	-6.4
26.0	418.2	424.6	424.5	-6.4	-6.3
25.0	418.2	424.4	424.3	-6.2	-6.1
24.0	418.2	424.2	424.1	-6.0	-5.9
23.0	418.2	424.1	424.0	-5.9	-5.8
22.0	418.2	423.9	423.8	-5.7	-5.6

Comprehensive Survey

1. Sounded FEBRUARY 12, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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		48.4	48.2
DATE	04 MAY 2020	43.9 1085001	427.1085001
		43.8 1155001	427.1155001

ELEVATIONS ARE REFERRED TO NGVD. CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (54.000 CFS)

Surveyed by: PRAIRIE ENGINEERS — Survey Date: FEBRUARY 12, 2020
Drawn by: JLK/BJB | Ckd by: DEF
Reviewed by:
APPROVED: Chief, Geospatial Branch
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sh153.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
53A

IL L IN O IS

DIAMOND ISLAND

HAMILTON LAKE

LIGHT CHUTE

BRIDGE IL. DIV HWYS

FLOW

SOUNDED MAY 04, 2020
SOUNDED FEBRUARY 12, 2020

N 916000
N 915000
N 914000
N 913000
N 912000
N 917000
N 918000
E 2175000
E 2174000
E 2173000
E 2172000
E 2171000
E 2170000

23.1 L
22.8 R

SEE SHEET 53A

May 04, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	431.9	431.8	-13.5	-13.4
43.0	418.4	431.9	431.8	-13.5	-13.4
42.0	418.4	431.6	431.5	-13.2	-13.1
41.0	418.4	431.4	431.3	-13.0	-12.9
40.0	418.4	431.2	431.1	-12.8	-12.7
39.0	418.4	431.0	430.9	-12.6	-12.5
38.0	418.4	430.8	430.7	-12.4	-12.3
37.0	418.3	430.5	430.4	-12.2	-12.1
36.0	418.3	430.3	430.2	-12.0	-11.9
35.0	418.3	430.1	430.0	-11.8	-11.7
34.0	418.3	429.9	429.8	-11.6	-11.5
33.0	418.3	429.6	429.5	-11.3	-11.2
32.0	418.3	429.4	429.3	-11.1	-11.0
31.0	418.3	429.2	429.1	-10.9	-10.8
30.0	418.3	429.0	428.9	-10.7	-10.6
29.0	418.3	428.8	428.7	-10.5	-10.4
28.0	418.3	428.5	428.4	-10.3	-10.2
27.0	418.3	428.3	428.2	-10.1	-10.0
26.0	418.2	428.1	428.0	-9.9	-9.8
25.0	418.2	427.9	427.8	-9.7	-9.6
24.0	418.2	427.7	427.6	-9.4	-9.3
23.0	418.2	427.4	427.3	-9.2	-9.1
22.0	418.2	427.2	427.1	-9.0	-8.9

May 04, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
21.5	418.2	427.1	427.1	-8.9	-8.9
21.0	418.2	427.0	426.9	-8.8	-8.7
20.0	418.2	426.8	426.7	-8.6	-8.5
19.0	418.2	426.5	426.5	-8.3	-8.3
18.0	418.2	426.3	426.2	-8.1	-8.0
17.0	418.2	426.0	426.0	-7.9	-7.8
16.0	418.1	425.8	425.7	-7.6	-7.6
15.0	418.1	425.6	425.5	-7.4	-7.4
14.0	418.1	425.3	425.3	-7.2	-7.1
13.0	418.1	425.1	425.0	-7.0	-6.9
12.0	418.1	424.8	424.8	-6.7	-6.7
11.0	418.1	424.6	424.5	-6.5	-6.4
10.0	418.1	424.4	424.3	-6.3	-6.2
9.0	418.1	424.1	424.1	-6.0	-6.0
8.0	418.1	423.9	423.8	-5.8	-5.7
7.0	418.1	423.6	423.6	-5.6	-5.5
6.0	418.1	423.4	423.3	-5.3	-5.3
5.0	418.0	423.2	423.1	-5.1	-5.1
4.0	418.0	422.9	422.9	-4.9	-4.8
3.0	418.0	422.7	422.6	-4.7	-4.6
2.0	418.0	422.4	422.4	-4.4	-4.4
1.0	418.0	422.2	422.1	-4.2	-4.1
0.0	418.0	422.0	421.9	-4.0	-3.9

Feb. 12, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MP DIFF 09:00	MP DIFF 17:00
30.0	418.3	425.3	425.2	-7.0	-6.9
29.0	418.3	425.1	425.0	-6.9	-6.8
28.0	418.3	425.0	424.9	-6.7	-6.6
27.0	418.3	424.8	424.7	-6.5	-6.4
26.0	418.2	424.6	424.5	-6.4	-6.3
25.0	418.2	424.4	424.3	-6.2	-6.1
24.0	418.2	424.2	424.1	-6.0	-5.9
23.0	418.2	424.1	424.0	-5.9	-5.8
22.0	418.2	423.9	423.8	-5.7	-5.6

Comprehensive Survey

1. Sounded FEBRUARY 12, 2020 & MAY 4, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	04 MAY 2020	43.9 (08:00) 43.8 (15:00)	427.1 (08:00) 427.1 (15:00)

ELEVATIONS ARE REFERRED TO NGVD. CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE. (L:\MOV\04000 CY-S)

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht54.dgn
Survey Dates: FEBRUARY 12, 2020 MAY 4, 2020
Plot date: 7/5/2020
Plot scale: 1" = 200'
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

120 METERS 60 0 60 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY THE ENGINEER AND ARE ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
54

WOODVILLE

MACOUPIN ISLAND

EAST HARDIN

HARDIN

ILLINOIS

DIVIDING RIDGE

POOR FARM HOLLOW

E 2172000

E 2171000

E 2170000

E 2169000

E 2168000

N 907000

N 908000

N 909000

N 910000

N 911000

N 912000

100

16

FLOW

22.2 R

21.5 R

May 04, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	431.9	431.8	-13.5	-13.4
43.0	418.4	431.9	431.8	-13.5	-13.4
42.0	418.4	431.6	431.5	-13.2	-13.1
41.0	418.4	431.4	431.3	-13.0	-12.9
40.0	418.4	431.2	431.1	-12.8	-12.7
39.0	418.4	431.0	430.9	-12.6	-12.5
38.0	418.4	430.8	430.7	-12.4	-12.3
37.0	418.3	430.5	430.4	-12.2	-12.1
36.0	418.3	430.3	430.2	-12.0	-11.9
35.0	418.3	430.1	430.0	-11.8	-11.7
34.0	418.3	429.9	429.8	-11.6	-11.5
33.0	418.3	429.6	429.5	-11.3	-11.2
32.0	418.3	429.4	429.3	-11.1	-11.0
31.0	418.3	429.2	429.1	-10.9	-10.8
30.0	418.3	429.0	428.9	-10.7	-10.6
29.0	418.3	428.8	428.7	-10.5	-10.4
28.0	418.3	428.5	428.4	-10.3	-10.2
27.0	418.3	428.3	428.2	-10.1	-10.0
26.0	418.2	428.1	428.0	-9.9	-9.8
25.0	418.2	427.9	427.8	-9.7	-9.6
24.0	418.2	427.7	427.6	-9.4	-9.3
23.0	418.2	427.4	427.3	-9.2	-9.1
22.0	418.2	427.2	427.1	-9.0	-8.9

May 04, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
21.5	418.2	427.1	427.1	-8.9	-8.9
21.0	418.2	427.0	426.9	-8.8	-8.7
20.0	418.2	426.8	426.7	-8.6	-8.5
19.0	418.2	426.5	426.5	-8.3	-8.3
18.0	418.2	426.3	426.2	-8.1	-8.0
17.0	418.2	426.0	426.0	-7.9	-7.8
16.0	418.1	425.8	425.7	-7.6	-7.6
15.0	418.1	425.6	425.5	-7.4	-7.4
14.0	418.1	425.3	425.3	-7.2	-7.1
13.0	418.1	425.1	425.0	-7.0	-6.9
12.0	418.1	424.8	424.8	-6.7	-6.7
11.0	418.1	424.6	424.5	-6.5	-6.4
10.0	418.1	424.4	424.3	-6.3	-6.2
9.0	418.1	424.1	424.1	-6.0	-6.0
8.0	418.1	423.9	423.8	-5.8	-5.7
7.0	418.1	423.6	423.6	-5.6	-5.5
6.0	418.1	423.4	423.3	-5.3	-5.3
5.0	418.0	423.2	423.1	-5.1	-5.1
4.0	418.0	422.9	422.9	-4.9	-4.8
3.0	418.0	422.7	422.6	-4.7	-4.6
2.0	418.0	422.4	422.4	-4.4	-4.4
1.0	418.0	422.2	422.1	-4.2	-4.1
0.0	418.0	422.0	421.9	-4.0	-3.9

Comprehensive Survey

1. Sounded MAY 4, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

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.

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	GRAFTON
ZERO N.G.V.D.		400.0	400.0	403.8
MILE		43.2	21.5	0.0
MIN. POOL		418.4	418.2	418.0
DATE	04 MAY 2020	43.9 (08:00) 43.8 (15:00)	427.1 (08:00) 427.1 (15:00)	422.0 (08:00) 421.9 (15:00)

ELEVATIONS ARE REFERRED TO NGVD29. CONTOURS ARE BELOW 1994.97 LOW WATER REFERENCE PLANE (LWRP) (94.000 CFS)

Survey Dates: MAY 4, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht55.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
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 60 200 400 FEET 200

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
55

May 04, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
43.2	418.4	431.9	431.8	-13.5	-13.4
43.0	418.4	431.9	431.8	-13.5	-13.4
42.0	418.4	431.6	431.5	-13.2	-13.1
41.0	418.4	431.4	431.3	-13.0	-12.9
40.0	418.4	431.2	431.1	-12.8	-12.7
39.0	418.4	431.0	430.9	-12.6	-12.5
38.0	418.4	430.8	430.7	-12.4	-12.3
37.0	418.3	430.5	430.4	-12.2	-12.1
36.0	418.3	430.3	430.2	-12.0	-11.9
35.0	418.3	430.1	430.0	-11.8	-11.7
34.0	418.3	429.9	429.8	-11.6	-11.5
33.0	418.3	429.6	429.5	-11.3	-11.2
32.0	418.3	429.4	429.3	-11.1	-11.0
31.0	418.3	429.2	429.1	-10.9	-10.8
30.0	418.3	429.0	428.9	-10.7	-10.6
29.0	418.3	428.8	428.7	-10.5	-10.4
28.0	418.3	428.5	428.4	-10.3	-10.2
27.0	418.3	428.3	428.2	-10.1	-10.0
26.0	418.2	428.1	428.0	-9.9	-9.8
25.0	418.2	427.9	427.8	-9.7	-9.6
24.0	418.2	427.7	427.6	-9.4	-9.3
23.0	418.2	427.4	427.3	-9.2	-9.1
22.0	418.2	427.2	427.1	-9.0	-8.9

May 04, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
21.5	418.2	427.1	427.1	-8.9	-8.9
21.0	418.2	427.0	426.9	-8.8	-8.7
20.0	418.2	426.8	426.7	-8.6	-8.5
19.0	418.2	426.5	426.5	-8.3	-8.3
18.0	418.2	426.3	426.2	-8.1	-8.0
17.0	418.2	426.0	426.0	-7.9	-7.8
16.0	418.1	425.8	425.7	-7.6	-7.6
15.0	418.1	425.6	425.5	-7.4	-7.4
14.0	418.1	425.3	425.3	-7.2	-7.1
13.0	418.1	425.1	425.0	-7.0	-6.9
12.0	418.1	424.8	424.8	-6.7	-6.7
11.0	418.1	424.6	424.5	-6.5	-6.4
10.0	418.1	424.4	424.3	-6.3	-6.2
9.0	418.1	424.1	424.1	-6.0	-6.0
8.0	418.1	423.9	423.8	-5.8	-5.7
7.0	418.1	423.6	423.6	-5.6	-5.5
6.0	418.1	423.4	423.3	-5.3	-5.3
5.0	418.0	423.2	423.2	-5.1	-5.1
4.0	418.0	423.0	422.9	-4.9	-4.8
3.0	418.0	422.7	422.6	-4.7	-4.6
2.0	418.0	422.4	422.4	-4.4	-4.4
1.0	418.0	422.2	422.1	-4.2	-4.1
0.0	418.0	422.0	421.9	-4.0	-3.9

May 02, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
21.5	418.2	427.8	427.7	-9.6	-9.5
21.0	418.2	427.7	427.6	-9.5	-9.4
20.0	418.2	427.5	427.4	-9.3	-9.2
19.0	418.2	427.2	427.2	-9.1	-9.0
18.0	418.2	427.0	427.0	-8.9	-8.8
17.0	418.2	426.8	426.7	-8.7	-8.6
16.0	418.1	426.6	426.5	-8.5	-8.4
15.0	418.1	426.4	426.3	-8.3	-8.2
14.0	418.1	426.2	426.1	-8.1	-8.0
13.0	418.1	426.0	425.9	-7.9	-7.8
12.0	418.1	425.8	425.7	-7.7	-7.6
11.0	418.1	425.6	425.5	-7.5	-7.4
10.0	418.1	425.3	425.3	-7.2	-7.2
9.0	418.1	425.1	425.0	-7.0	-7.0
8.0	418.1	424.9	424.8	-6.8	-6.8
7.0	418.1	424.7	424.6	-6.6	-6.6
6.0	418.1	424.5	424.4	-6.4	-6.4
5.0	418.0	424.3	424.2	-6.2	-6.2
4.0	418.0	424.1	424.0	-6.0	-6.0
3.0	418.0	423.9	423.8	-5.8	-5.7
2.0	418.0	423.6	423.6	-5.6	-5.5
1.0	418.0	423.4	423.4	-5.4	-5.3
0.0	418.0	423.2	423.1	-5.2	-5.1

May 03, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 9:00	WS 10:00	MP DIFF 09:00	MP DIFF 10:00
21.5	418.2	427.4	427.4	-9.2	-9.2
21.0	418.2	427.3	427.3	-9.1	-9.1
20.0	418.2	427.0	427.0	-8.9	-8.8
19.0	418.2	426.8	426.8	-8.6	-8.6
18.0	418.2	426.6	426.6	-8.4	-8.4
17.0	418.2	426.4	426.4	-8.2	-8.2
16.0	418.1	426.2	426.2	-8.0	-8.0
15.0	418.1	425.9	425.9	-7.8	-7.8
14.0	418.1	425.7	425.7	-7.6	-7.6
13.0	418.1	425.5	425.5	-7.4	-7.4
12.0	418.1	425.3	425.3	-7.2	-7.2
11.0	418.1	425.1	425.1	-7.0	-7.0
10.0	418.1	424.8	424.8	-6.8	-6.7
9.0	418.1	424.6	424.6	-6.5	-6.5
8.0	418.1	424.4	424.4	-6.3	-6.3
7.0	418.1	424.2	424.2	-6.1	-6.1
6.0	418.1	424.0	424.0	-5.9	-5.9
5.0	418.0	423.7	423.7	-5.7	-5.7
4.0	418.0	423.5	423.5	-5.5	-5.5
3.0	418.0	423.3	423.3	-5.3	-5.3
2.0	418.0	423.1	423.1	-5.1	-5.1
1.0	418.0	422.9	422.9	-4.9	-4.9
0.0	418.0	422.7	422.7	-4.7	-4.7

ILLINOIS

MACOUPIN ISLAND

LEVEE

AERIAL POWER LINE

FLOW

SOUNDED MAY 04, 2020
SOUNDED MAY 03, 2020

SOUNDED MAY 03, 2020
SOUNDED MAY 02, 2020

HARDIN

DIVIDING RIDGE

E 2171000
E 2170000
E 2169000
E 2168000

N 906000
N 905000
N 904000
N 903000
N 902000
N 901000

Comprehensive Survey

1. Sounded MAY 2, 2020, MAY 3, 2020 & MAY 4, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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

	HARDIN	GRAFTON
WATER SURFACE ZERO N.G.V.D.	400.0	403.8
MILE	21.5	0.0
MIN. POOL	48.2	48.0
DATE	427.1 (08:00) 427.1 (15:00)	422.0 (08:00) 426.9 (15:00)
	04 MAY 2020	

ELEVATIONS ARE REFERED TO NGVD29 - CONTOURS ARE BELOW 1994-97 LOW WATER REFERENCE PLANE (LWRP) (94-00 CFS)

Survey Dates: MAY 2, 2020, MAY 3, 2020, MAY 4, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File names: ILR_080_000_mp_sht15.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

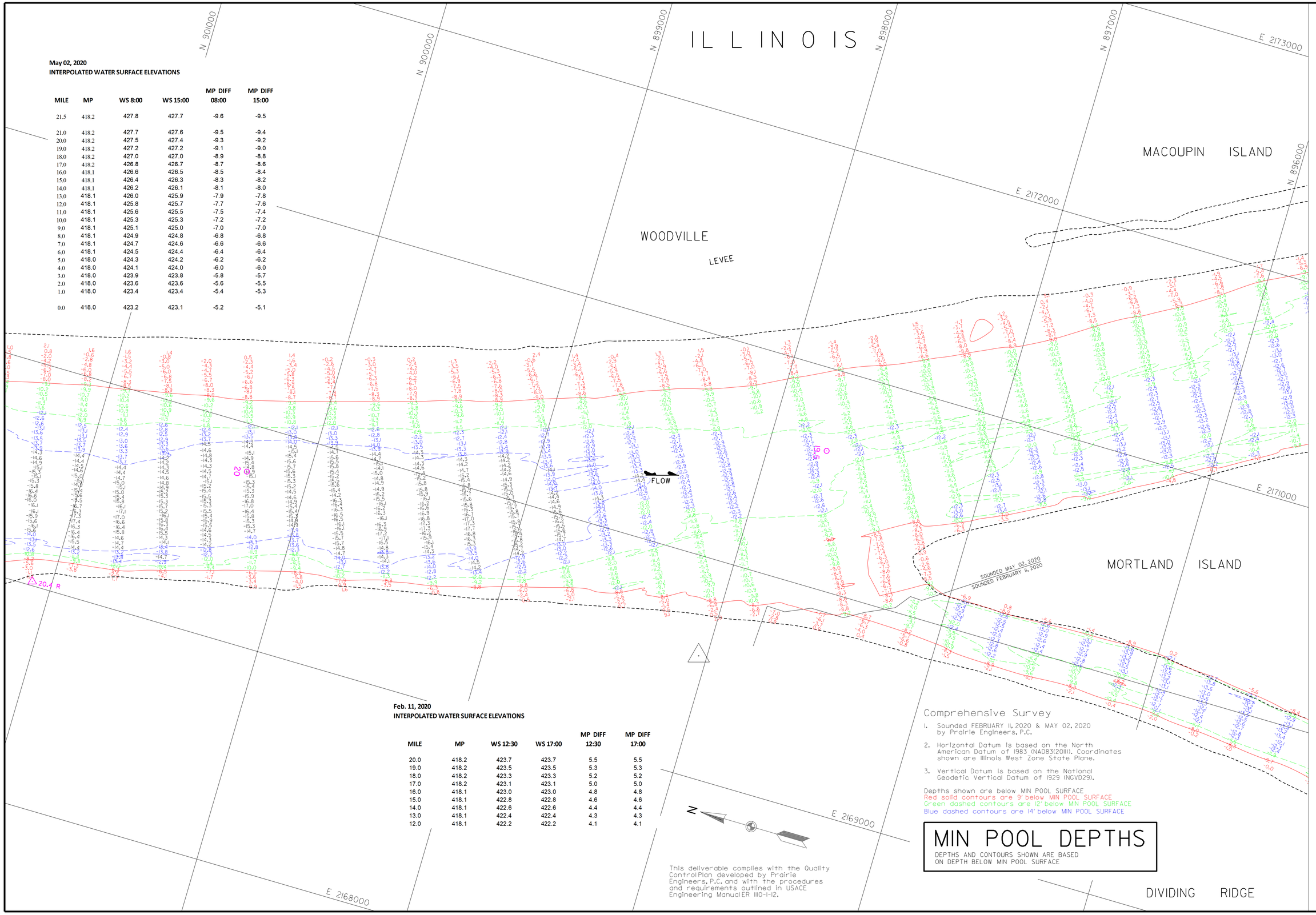
ILLINOIS RIVER

120 METERS 60 0 60 200 400 FEET

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
56



May 02, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
21.5	418.2	427.8	427.7	-9.6	-9.5
21.0	418.2	427.7	427.6	-9.5	-9.4
20.0	418.2	427.5	427.4	-9.3	-9.2
19.0	418.2	427.2	427.2	-9.1	-9.0
18.0	418.2	427.0	427.0	-8.9	-8.8
17.0	418.2	426.8	426.7	-8.7	-8.6
16.0	418.1	426.6	426.5	-8.5	-8.4
15.0	418.1	426.4	426.3	-8.3	-8.2
14.0	418.1	426.2	426.1	-8.1	-8.0
13.0	418.1	426.0	425.9	-7.9	-7.8
12.0	418.1	425.8	425.7	-7.7	-7.6
11.0	418.1	425.6	425.5	-7.5	-7.4
10.0	418.1	425.3	425.3	-7.2	-7.2
9.0	418.1	425.1	425.0	-7.0	-7.0
8.0	418.1	424.9	424.8	-6.8	-6.8
7.0	418.1	424.7	424.6	-6.6	-6.6
6.0	418.1	424.5	424.4	-6.4	-6.4
5.0	418.0	424.3	424.2	-6.2	-6.2
4.0	418.0	424.1	424.0	-6.0	-6.0
3.0	418.0	423.9	423.8	-5.8	-5.7
2.0	418.0	423.6	423.6	-5.6	-5.5
1.0	418.0	423.4	423.4	-5.4	-5.3
0.0	418.0	423.2	423.1	-5.2	-5.1

Feb. 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:30	WS 17:00	MP DIFF 12:30	MP DIFF 17:00
20.0	418.2	423.7	423.7	5.5	5.5
19.0	418.2	423.5	423.5	5.3	5.3
18.0	418.2	423.3	423.3	5.2	5.2
17.0	418.2	423.1	423.1	5.0	5.0
16.0	418.1	423.0	423.0	4.8	4.8
15.0	418.1	422.8	422.8	4.6	4.6
14.0	418.1	422.6	422.6	4.4	4.4
13.0	418.1	422.4	422.4	4.3	4.3
12.0	418.1	422.2	422.2	4.1	4.1

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.

Comprehensive Survey

1. Sounded FEBRUARY 11, 2020 & MAY 02, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	427.8 (08:00)	423.2 (08:00)
02 MAY 2020	427.7 (15:00)	423.1 (15:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (SEE DWG. C7-5)

Survey Dates: FEBRUARY 11, 2020
MAY 02, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: ILR_080_000_mp_sht57.dgn

Plot date: 7/15/2020

Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS

Drawn by: JLK/BJB

Ckd by: DEF

Reviewed by:

APPROVED:

Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

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

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY PRAIRIE ENGINEERS, P.C. AND IS ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER

57

MACOUPIN ISLAND

ILLINOIS

RICHWOOD

MORTLAND ISLAND

LEVEE

R 18.9 L

FLOW

E 2173000 E 2174000 E 2172000 E 2171000 E 2170000

N 896000 N 895000 N 894000 N 893000 N 892000 N 891000 N 890000

80

81

82

83

84

85

86

May 02, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
21.5	418.2	427.8	427.7	-9.6	-9.5
21.0	418.2	427.7	427.6	-9.5	-9.4
20.0	418.2	427.5	427.4	-9.3	-9.2
19.0	418.2	427.2	427.2	-9.1	-9.0
18.0	418.2	427.0	427.0	-8.9	-8.8
17.0	418.2	426.8	426.7	-8.7	-8.6
16.0	418.1	426.6	426.5	-8.5	-8.4
15.0	418.1	426.4	426.3	-8.3	-8.2
14.0	418.1	426.2	426.1	-8.1	-8.0
13.0	418.1	426.0	425.9	-7.9	-7.8
12.0	418.1	425.8	425.7	-7.7	-7.6
11.0	418.1	425.6	425.5	-7.5	-7.4
10.0	418.1	425.3	425.3	-7.2	-7.2
9.0	418.1	425.1	425.0	-7.0	-7.0
8.0	418.1	424.9	424.8	-6.8	-6.8
7.0	418.1	424.7	424.6	-6.6	-6.6
6.0	418.1	424.5	424.4	-6.4	-6.4
5.0	418.0	424.3	424.2	-6.2	-6.2
4.0	418.0	424.1	424.0	-6.0	-6.0
3.0	418.0	423.9	423.8	-5.8	-5.7
2.0	418.0	423.6	423.6	-5.6	-5.5
1.0	418.0	423.4	423.4	-5.4	-5.3
0.0	418.0	423.2	423.1	-5.2	-5.1

Comprehensive Survey

1. Sounded FEBRUARY II, 2020 & MAY 02, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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.

SOUNDED FEBRUARY II, 2020
SOUNDED MAY 02, 2020

Feb. 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:30	WS 17:00	MP DIFF 12:30	MP DIFF 17:00
20.0	418.2	423.7	423.7	5.5	5.5
19.0	418.2	423.5	423.5	5.3	5.3
18.0	418.2	423.3	423.3	5.2	5.2
17.0	418.2	423.1	423.1	5.0	5.0
16.0	418.1	423.0	423.0	4.8	4.8
15.0	418.1	422.8	422.8	4.6	4.6
14.0	418.1	422.6	422.6	4.4	4.4
13.0	418.1	422.4	422.4	4.3	4.3
12.0	418.1	422.2	422.2	4.1	4.1

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	02 MAY 2020	427.8 (08:00)	423.2 (08:00)
		427.7 (15:00)	423.1 (15:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (L:\#CAD\SHEETS\SHEET.DGN)

Survey Dates: FEBRUARY II, 2020
MAY 2, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File names: ILR_080_000_mp_sht58.dgn

Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Chkd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

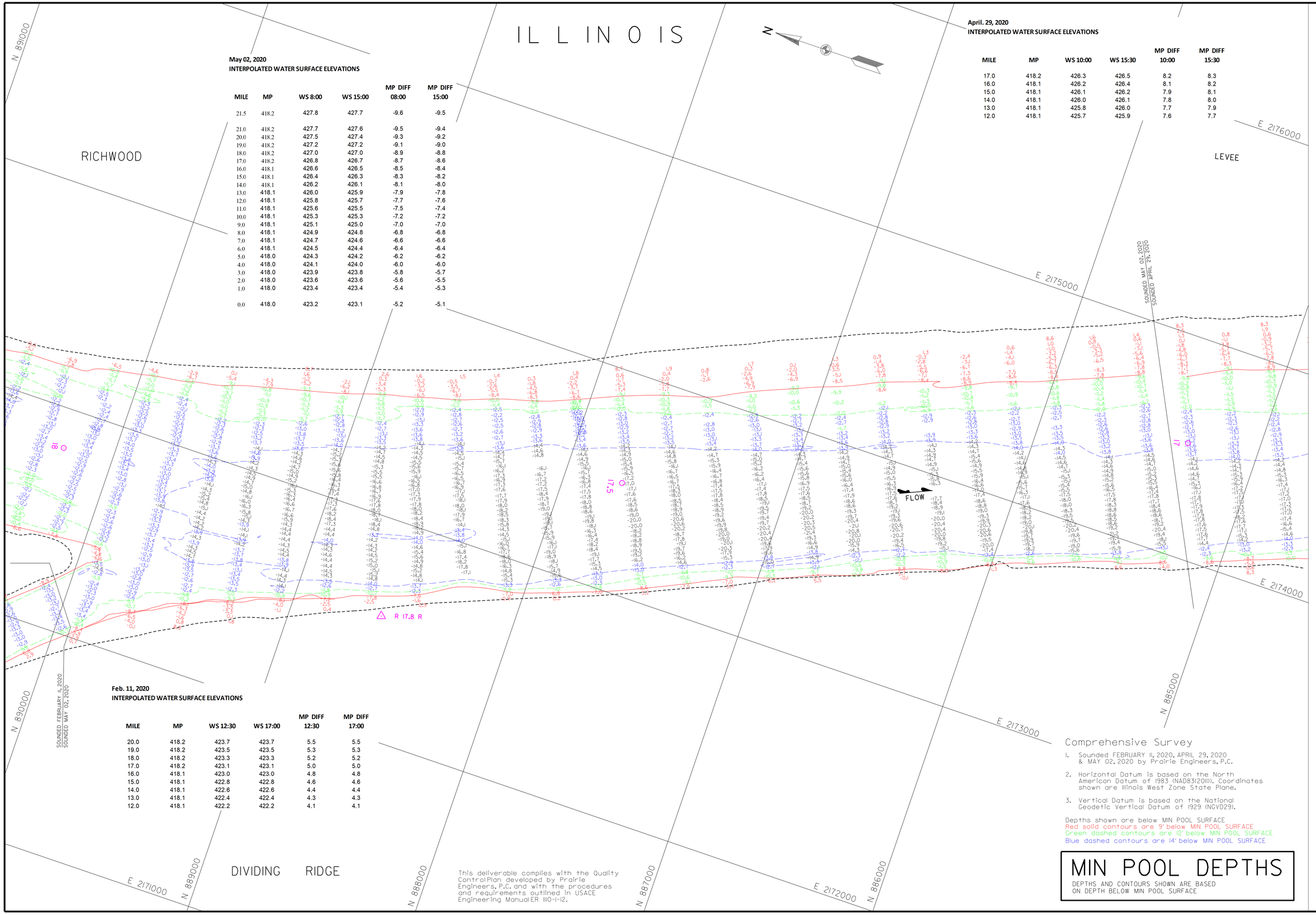
120 METERS 60 0 200
400 FEET 200 0 200

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER

58



May 02, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 8:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
21.5	418.2	427.8	427.7	-9.6	-9.5
21.0	418.2	427.7	427.6	-9.5	-9.4
20.0	418.2	427.5	427.4	-9.3	-9.2
19.0	418.2	427.2	427.2	-9.1	-9.0
18.0	418.2	427.0	427.0	-8.9	-8.8
17.0	418.2	426.8	426.7	-8.7	-8.6
16.0	418.1	426.6	426.5	-8.5	-8.4
15.0	418.1	426.4	426.3	-8.3	-8.2
14.0	418.1	426.2	426.1	-8.1	-8.0
13.0	418.1	426.0	425.9	-7.9	-7.8
12.0	418.1	425.8	425.7	-7.7	-7.6
11.0	418.1	425.6	425.5	-7.5	-7.4
10.0	418.1	425.3	425.3	-7.2	-7.2
9.0	418.1	425.1	425.0	-7.0	-7.0
8.0	418.1	424.9	424.8	-6.8	-6.8
7.0	418.1	424.7	424.6	-6.6	-6.6
6.0	418.1	424.5	424.4	-6.4	-6.4
5.0	418.0	424.3	424.2	-6.2	-6.2
4.0	418.0	424.1	424.0	-6.0	-6.0
3.0	418.0	423.9	423.8	-5.8	-5.7
2.0	418.0	423.6	423.6	-5.6	-5.5
1.0	418.0	423.4	423.4	-5.4	-5.3
0.0	418.0	423.2	423.1	-5.2	-5.1

April. 29, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:30	MP DIFF 10:00	MP DIFF 15:30
17.0	418.2	426.3	426.5	8.2	8.3
16.0	418.1	426.2	426.4	8.1	8.2
15.0	418.1	426.1	426.2	7.9	8.1
14.0	418.1	426.0	426.1	7.8	8.0
13.0	418.1	425.8	426.0	7.7	7.9
12.0	418.1	425.7	425.9	7.6	7.7

Feb. 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:30	WS 17:00	MP DIFF 12:30	MP DIFF 17:00
20.0	418.2	423.7	423.7	5.5	5.5
19.0	418.2	423.5	423.5	5.3	5.3
18.0	418.2	423.3	423.3	5.2	5.2
17.0	418.2	423.1	423.1	5.0	5.0
16.0	418.1	423.0	423.0	4.8	4.8
15.0	418.1	422.8	422.8	4.6	4.6
14.0	418.1	422.6	422.6	4.4	4.4
13.0	418.1	422.4	422.4	4.3	4.3
12.0	418.1	422.2	422.2	4.1	4.1

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.

Comprehensive Survey

1. Sounded FEBRUARY 11, 2020, APRIL 29, 2020 & MAY 02, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	02 MAY 2020	427.8 (08:00) 427.7 (15:00)	423.2 (08:00) 423.1 (15:00)

ELEVATIONS ARE REFERED TO NGVD29 - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (54.000 CFS)

Survey Dates: FEBRUARY 11, 2020
APRIL 29, 2020
MAY 02, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: ILR_080_000_mp_sht59.dgn

Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
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 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY PRAIRIE ENGINEERS, P.C. AND IS ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
59

ILLINOIS

RICHWOOD

DIVIDING RIDGE

E 2176000

E 2177000

E 2178000

E 2174000

E 2175000

E 2173000

N 885000

N 884000

N 883000

N 882000

N 881000

N 880000

N 879000

16.5 L

FLOW

April. 29, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:30	MP DIFF 10:00	MP DIFF 15:30
17.0	418.2	426.3	426.5	8.2	8.3
16.0	418.1	426.2	426.4	8.1	8.2
15.0	418.1	426.1	426.2	7.9	8.1
14.0	418.1	426.0	426.1	7.8	8.0
13.0	418.1	425.8	426.0	7.7	7.9
12.0	418.1	425.7	425.9	7.6	7.7

Comprehensive Survey

1. Sounded APRIL 29, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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		
29 APR 2020	426.3 1%chance	424.2 1%chance
	427.0 .2%chance	424.3 .2%chance

ELEVATIONS ARE REFERED TO NGVD. CONTOURS ARE BELOW 1956-ST LOW WATER REFERENCE PLANE (LWRP) (SADD CF-5)

Survey Dates: APRIL 29, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht60.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED: Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

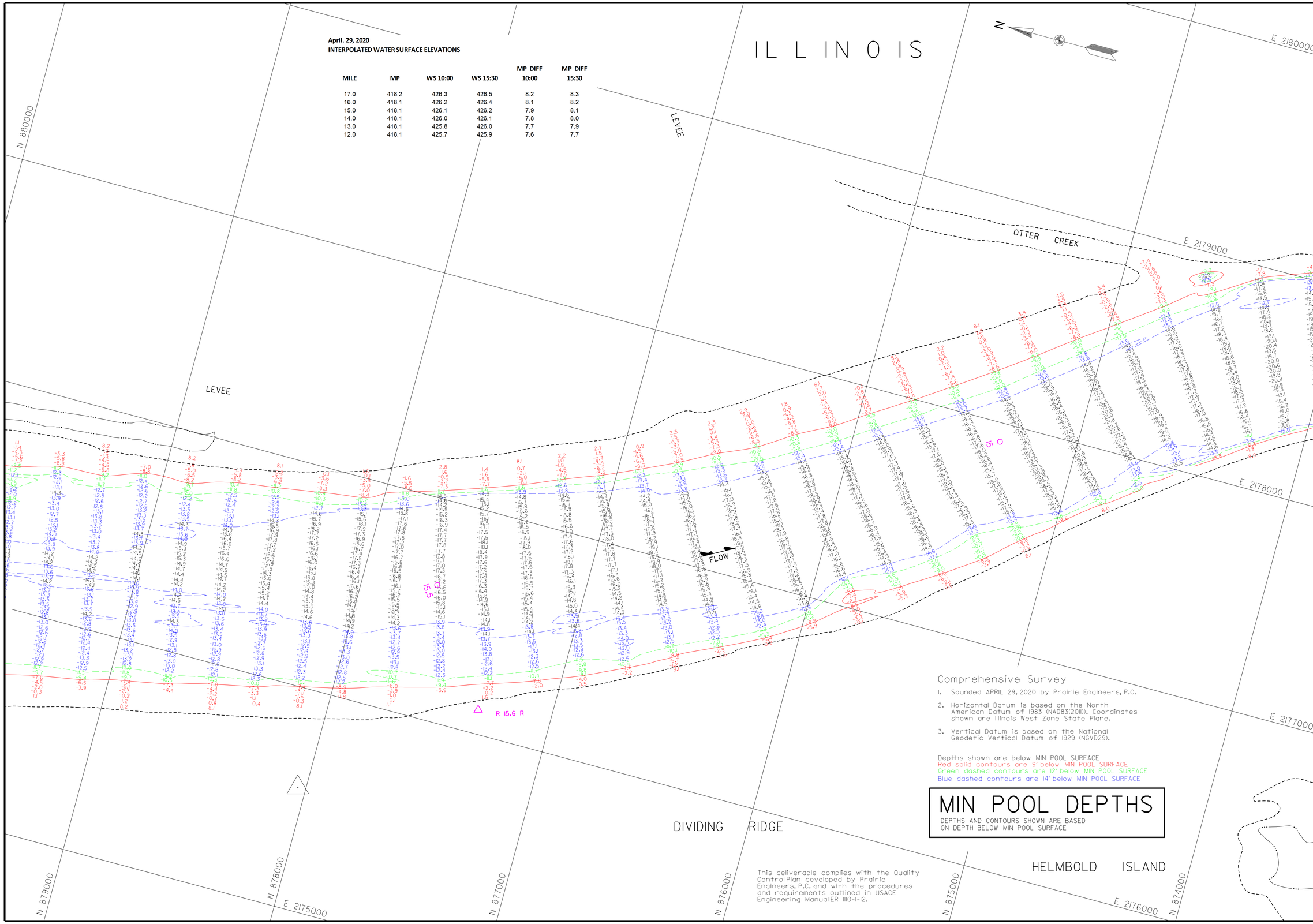
ILLINOIS RIVER

120 METERS 60 0 0 60 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY PRAIRIE ENGINEERS, P.C. AND IS BELIEVED TO BE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
60



April. 29, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:30	MP DIFF 10:00	MP DIFF 15:30
17.0	418.2	426.3	426.5	8.2	8.3
16.0	418.1	426.2	426.4	8.1	8.2
15.0	418.1	426.1	426.2	7.9	8.1
14.0	418.1	426.0	426.1	7.8	8.0
13.0	418.1	425.8	426.0	7.7	7.9
12.0	418.1	425.7	425.9	7.6	7.7

Comprehensive Survey

1. Sounded APRIL 29, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	29 APR 2020	426.9 (10:00)	424.2 (10:00)
		427.0 (15:30)	424.3 (15:30)

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: APRIL 29, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht6.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

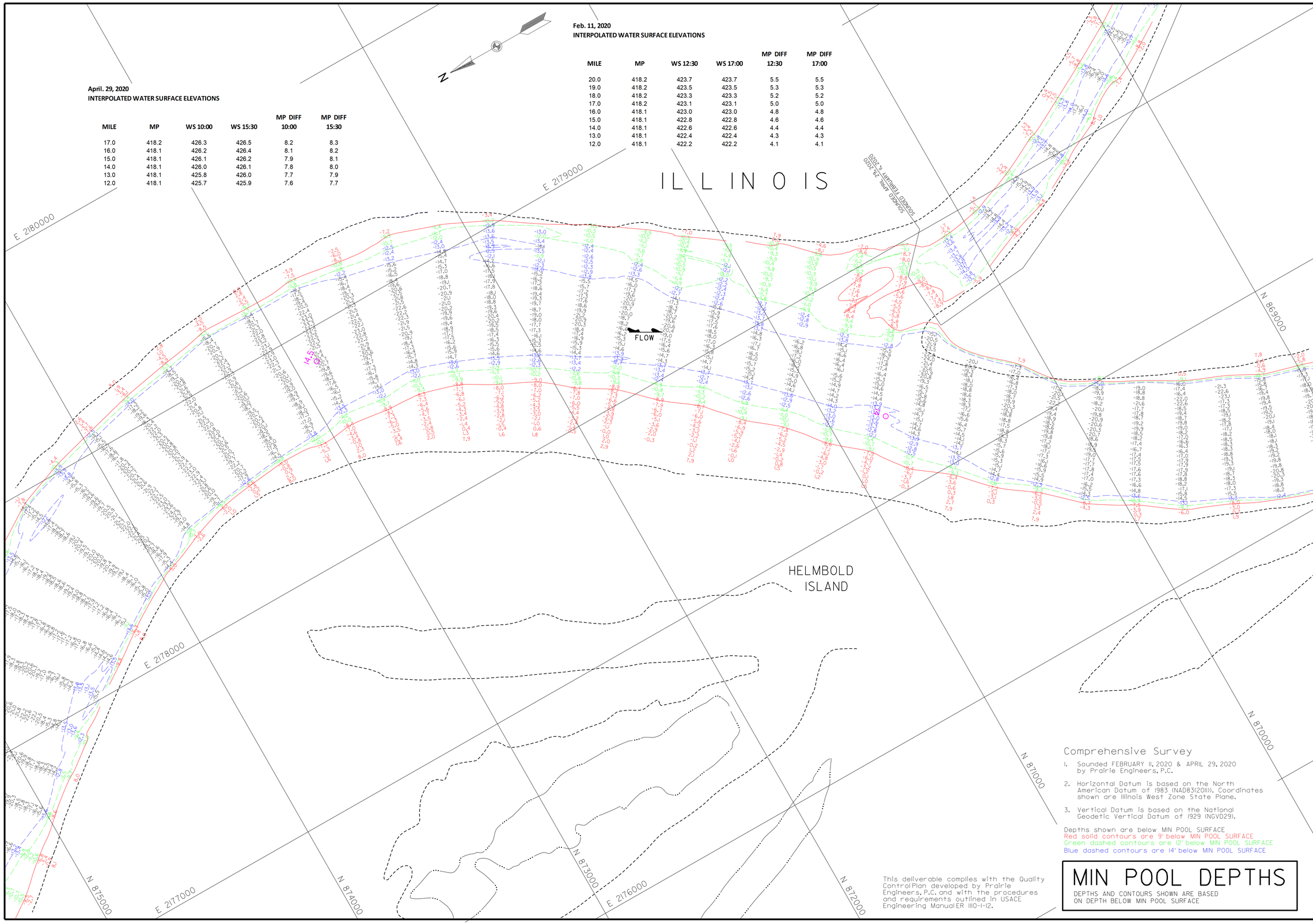
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
61



April. 29, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:30	MP DIFF 10:00	MP DIFF 15:30
17.0	418.2	426.3	426.5	8.2	8.3
16.0	418.1	426.2	426.4	8.1	8.2
15.0	418.1	426.1	426.2	7.9	8.1
14.0	418.1	426.0	426.1	7.8	8.0
13.0	418.1	425.8	426.0	7.7	7.9
12.0	418.1	425.7	425.9	7.6	7.7

Feb. 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:30	WS 17:00	MP DIFF 12:30	MP DIFF 17:00
20.0	418.2	423.7	423.7	5.5	5.5
19.0	418.2	423.5	423.5	5.3	5.3
18.0	418.2	423.3	423.3	5.2	5.2
17.0	418.2	423.1	423.1	5.0	5.0
16.0	418.1	423.0	423.0	4.8	4.8
15.0	418.1	422.8	422.8	4.6	4.6
14.0	418.1	422.6	422.6	4.4	4.4
13.0	418.1	422.4	422.4	4.3	4.3
12.0	418.1	422.2	422.2	4.1	4.1

Comprehensive Survey

1. Sounded FEBRUARY 11, 2020 & APRIL 29, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	29 APR 2020	426.9 (10:00)	424.2 (10:00)
		427.0 (15:30)	424.3 (15:30)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (L.W.R.P.) (5.0 CFS)

Survey Date: FEBRUARY 11, 2020
APRIL 29, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: ILR.080.000.mp.sht62.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

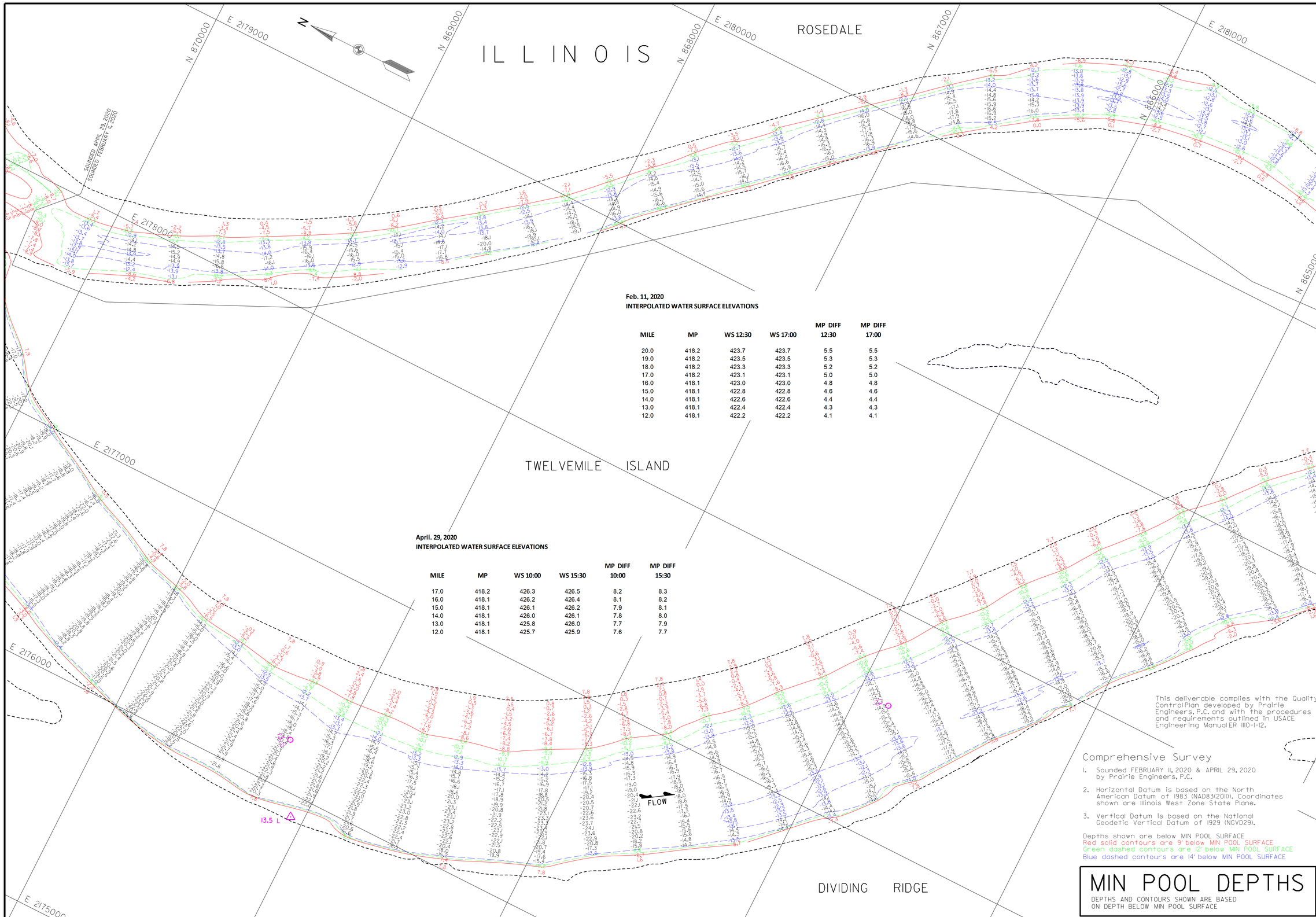
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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.

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
62



Feb. 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:30	WS 17:00	MP DIFF 12:30	MP DIFF 17:00
20.0	418.2	423.7	423.7	5.5	5.5
19.0	418.2	423.5	423.5	5.3	5.3
18.0	418.2	423.3	423.3	5.2	5.2
17.0	418.2	423.1	423.1	5.0	5.0
16.0	418.1	423.0	423.0	4.8	4.8
15.0	418.1	422.8	422.8	4.6	4.6
14.0	418.1	422.6	422.6	4.4	4.4
13.0	418.1	422.4	422.4	4.3	4.3
12.0	418.1	422.2	422.2	4.1	4.1

April. 29, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:30	MP DIFF 10:00	MP DIFF 15:30
17.0	418.2	426.3	426.5	8.2	8.3
16.0	418.1	426.2	426.4	8.1	8.2
15.0	418.1	426.1	426.2	7.9	8.1
14.0	418.1	426.0	426.1	7.8	8.0
13.0	418.1	425.8	426.0	7.7	7.9
12.0	418.1	425.7	425.9	7.6	7.7

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.

Comprehensive Survey

1. Sounded FEBRUARY 11, 2020 & APRIL 29, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	29 APR 2020	426.9 (10:00)	424.2 (10:00)
		427.0 (15:30)	424.3 (15:30)

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: FEBRUARY 11, 2020
APRIL 29, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR.080.000.mp.sht63.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
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.

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
63

Feb. 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:30	WS 17:00	MP DIFF 12:30	MP DIFF 17:00
20.0	418.2	423.7	423.7	5.5	5.5
19.0	418.2	423.5	423.5	5.3	5.3
18.0	418.2	423.3	423.3	5.2	5.2
17.0	418.2	423.1	423.1	5.0	5.0
16.0	418.1	423.0	423.0	4.8	4.8
15.0	418.1	422.8	422.8	4.6	4.6
14.0	418.1	422.6	422.6	4.4	4.4
13.0	418.1	422.4	422.4	4.3	4.3
12.0	418.1	422.2	422.2	4.1	4.1

April. 29, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:30	MP DIFF 10:00	MP DIFF 15:30
17.0	418.2	426.3	426.5	8.2	8.3
16.0	418.1	426.2	426.4	8.1	8.2
15.0	418.1	426.1	426.2	7.9	8.1
14.0	418.1	426.0	426.1	7.8	8.0
13.0	418.1	425.8	426.0	7.7	7.9
12.0	418.1	425.7	425.9	7.6	7.7

April. 21, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:00	MP DIFF 10:00	MP DIFF 15:00
12.0	418.1	425.1	425.1	7.0	7.0
11.0	418.1	425.1	425.1	7.0	7.0
10.0	418.1	425.0	425.0	6.9	6.9
9.0	418.1	425.0	425.0	6.9	6.9
8.0	418.1	424.9	424.9	6.8	6.8
7.0	418.1	424.8	424.8	6.8	6.8

ILLINOIS
ROSEDALE
FULLER LANDING
DIVIDING RIDGE
FULLER LAKE
FLOW
SOUNDED FEBRUARY 11, 2020
SOUNDED APRIL 29, 2020
SOUNDED APRIL 21, 2020
12.4L
12.5
Wire cable
John H. Whiteside
E 2182000
E 2181000
E 2180000
E 2179000
E 2178000
N 865000
N 864000
N 863000
N 862000
N 861000
N 860000
N 859000

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.

Comprehensive Survey

1. Sounded FEBRUARY 11, 2020, APRIL 21, 2020 & APRIL 29, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	HARON	GRAFTON
ZERO N.G.V.D.	400.0	403.8
MILE	21.5	0.0
MIN. POOL	418.2	418.0
DATE		
29 APR 2020	426.3 (100.00)	424.2 (100.00)
	427.0 (153.10)	424.3 (153.10)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (L:\MOP\1154000 CF.DGN)

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Checked by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

Survey Dates: FEBRUARY 11, 2020 APRIL 21, 2020 APRIL 29, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File names: ILR_080_000_mp_sht64.dgn

Plot date: 7/5/2020
Plot scale: 1" = 200'

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

ILLINOIS RIVER BASIN

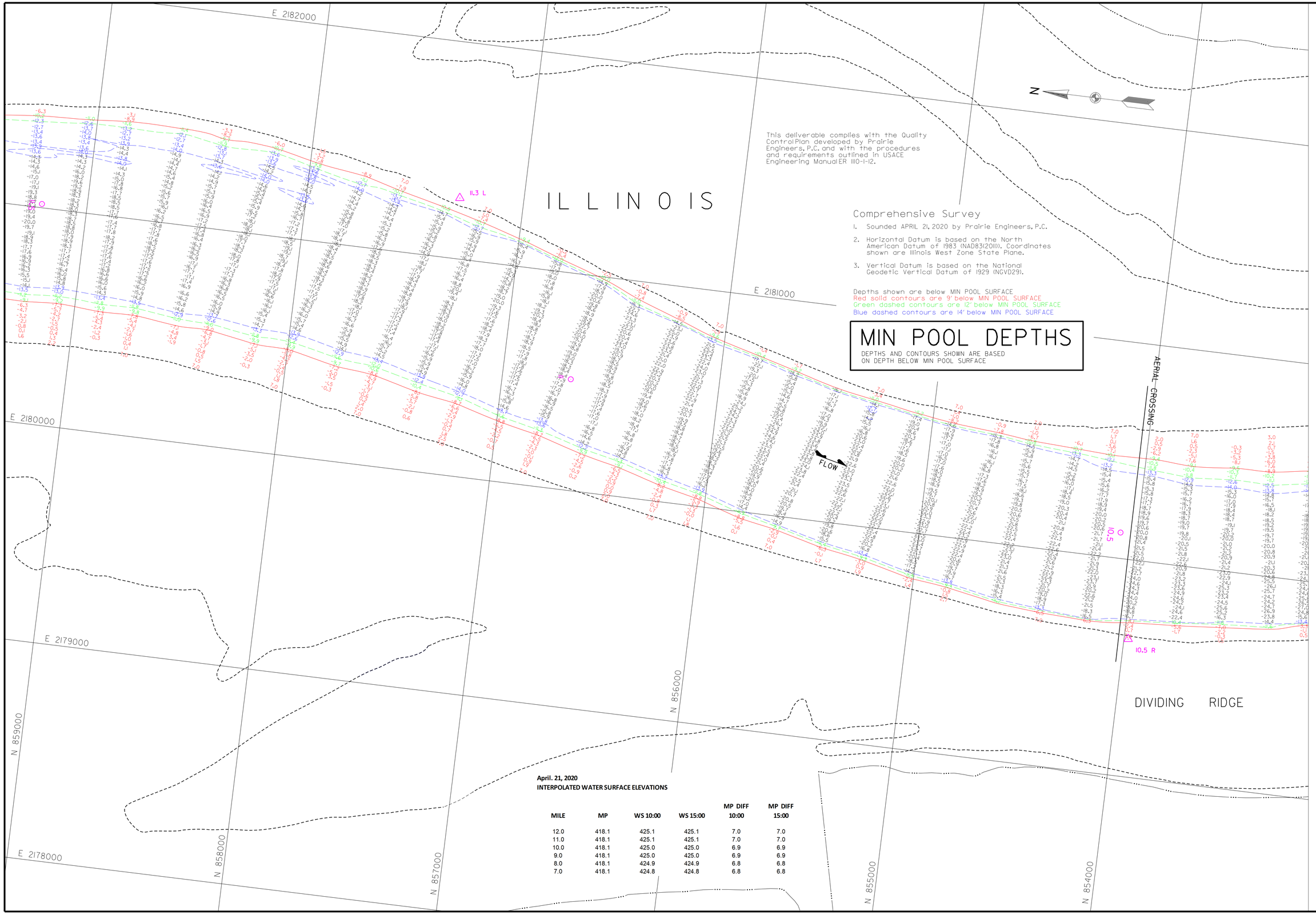
ILLINOIS RIVER

120 METERS 60 0 200 400 FEET

THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY OTHERS AND SHOWN HEREON AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
64



US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	21 APR 2020	425.7 (10Q00)	424.4 (10Q00)
		425.7 (15Q00)	424.4 (15Q00)

ELEVATIONS ARE REFERED TO NGVD. CONTOURS ARE BELOW 1956-ST LOW WATER REFERENCE PLANE (LWRP)(SADD CF.5)

Survey Dates: APRIL 21, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_080_000_mp_sht65.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

200 0 0 200 400 FEET
60 0 0 60 120 METERS
SURVEY INFORMATION REPRESENTED ON THIS MAP REFLECTS THE RESULTS OF SURVEYS PERFORMED BY OTHERS AND ACCEPTED BY THE CORPS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
65

DEEP LAKE

ILLINOIS

N 854000

E 2183000

E 2182000

E 2181000

N 848000

E 2180000

N 853000

N 852000

N 851000

N 850000

N 849000

E 2179000

SWAN LAKE

DIVIDING RIDGE

FLOW

10.4 L

9.5 R

April. 21, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:00	MP DIFF 10:00	MP DIFF 15:00
12.0	418.1	425.1	425.1	7.0	7.0
11.0	418.1	425.1	425.1	7.0	7.0
10.0	418.1	425.0	425.0	6.9	6.9
9.0	418.1	425.0	425.0	6.9	6.9
8.0	418.1	424.9	424.9	6.8	6.8
7.0	418.1	424.8	424.8	6.8	6.8

Comprehensive Survey

1. Sounded APRIL 21, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	48.2	48.0
DATE	21 APR 2020	425.7 (10Q00) 425.7 (15Q00)	424.4 (10Q00) 424.4 (15Q00)

ELEVATIONS ARE REFERED TO NGVD. CONTOURS ARE BELOW 1956-ST LOW WATER REFERENCE PLANE (\\MORX\SHARE\ CFSU

Survey Dates: APRIL 21, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File names: ILR_080_000_mp_sht66.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

ILLINOIS RIVER BASIN

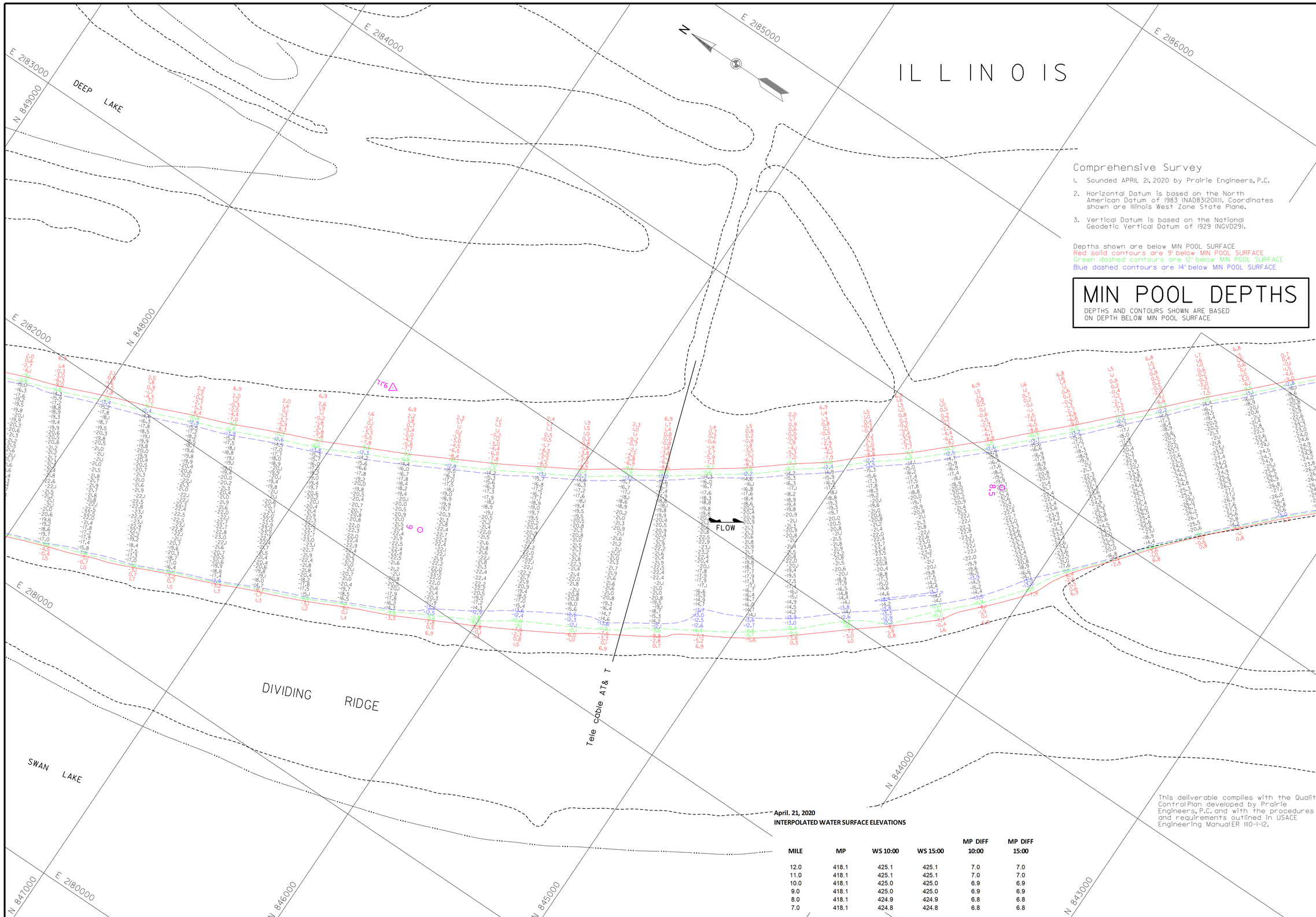
ILLINOIS RIVER

120 METERS 60 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE BEST INFORMATION AVAILABLE AT THE TIME OF PUBLICATION AND MAY NOT BE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
66



Comprehensive Survey

1. Sounded APRIL 21, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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

April. 21, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:00	MP DIFF 10:00	MP DIFF 15:00
12.0	418.1	425.1	425.1	7.0	7.0
11.0	418.1	425.1	425.1	7.0	7.0
10.0	418.1	425.0	425.0	6.9	6.9
9.0	418.1	425.0	425.0	6.9	6.9
8.0	418.1	424.9	424.9	6.8	6.8
7.0	418.1	424.8	424.8	6.8	6.8

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	21 APR 2020	425.7 (10:00)	424.4 (10:00)
		425.7 (15:00)	424.4 (15:00)

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: APRIL 21, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR.080.000.mp.sht67.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, GeospatialBranch

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

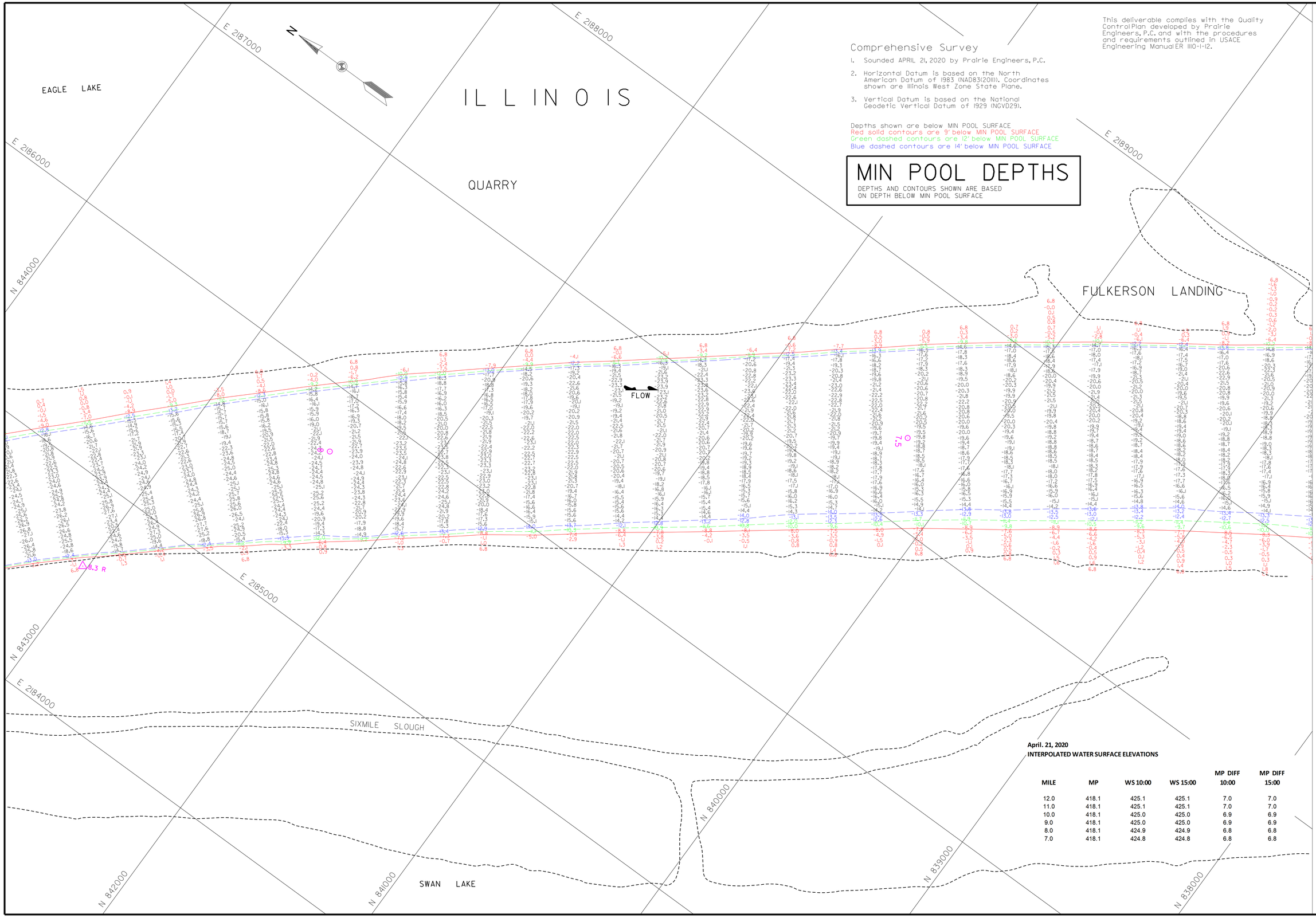
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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.

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
67



Comprehensive Survey

1. Sounded APRIL 21, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

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.

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

April. 21, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:00	MP DIFF 10:00	MP DIFF 15:00
12.0	418.1	425.1	425.1	7.0	7.0
11.0	418.1	425.1	425.1	7.0	7.0
10.0	418.1	425.0	425.0	6.9	6.9
9.0	418.1	425.0	425.0	6.9	6.9
8.0	418.1	424.9	424.9	6.8	6.8
7.0	418.1	424.8	424.8	6.8	6.8

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	21 APR 2020	425.7 1D0d00	424.4 1D0d00
		425.7 1D5d00	424.4 1D5d00

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1956-ST LOW WATER REFERENCE PLANE (L:\MOPX\DGN\000 CF.DGN)

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Checked by: DEF
Reviewed by:
APPROVED: Chief, Geospatial Branch
SUBMITTED: Chief, Engr. Data Mngt. Sect.
Survey Dates APRIL 21, 2020
File names ILR_080_000_mp_sht68.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY PERFORMED ON THE DATES SHOWN AND IS ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
68

April. 20, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 16:00	MP DIFF 10:00	MP DIFF 16:00
7.0	418.1	424.9	424.9	6.8	6.8
6.0	418.1	424.8	424.8	6.8	6.8
5.0	418.0	424.8	424.8	6.7	6.7
4.0	418.0	424.7	424.7	6.7	6.7
3.0	418.0	424.6	424.6	6.6	6.6
2.0	418.0	424.6	424.6	6.5	6.5

April. 21, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:00	MP DIFF 10:00	MP DIFF 15:00
12.0	418.1	425.1	425.1	7.0	7.0
11.0	418.1	425.1	425.1	7.0	7.0
10.0	418.1	425.0	425.0	6.9	6.9
9.0	418.1	425.0	425.0	6.9	6.9
8.0	418.1	424.9	424.9	6.8	6.8
7.0	418.1	424.8	424.8	6.8	6.8

Comprehensive Survey

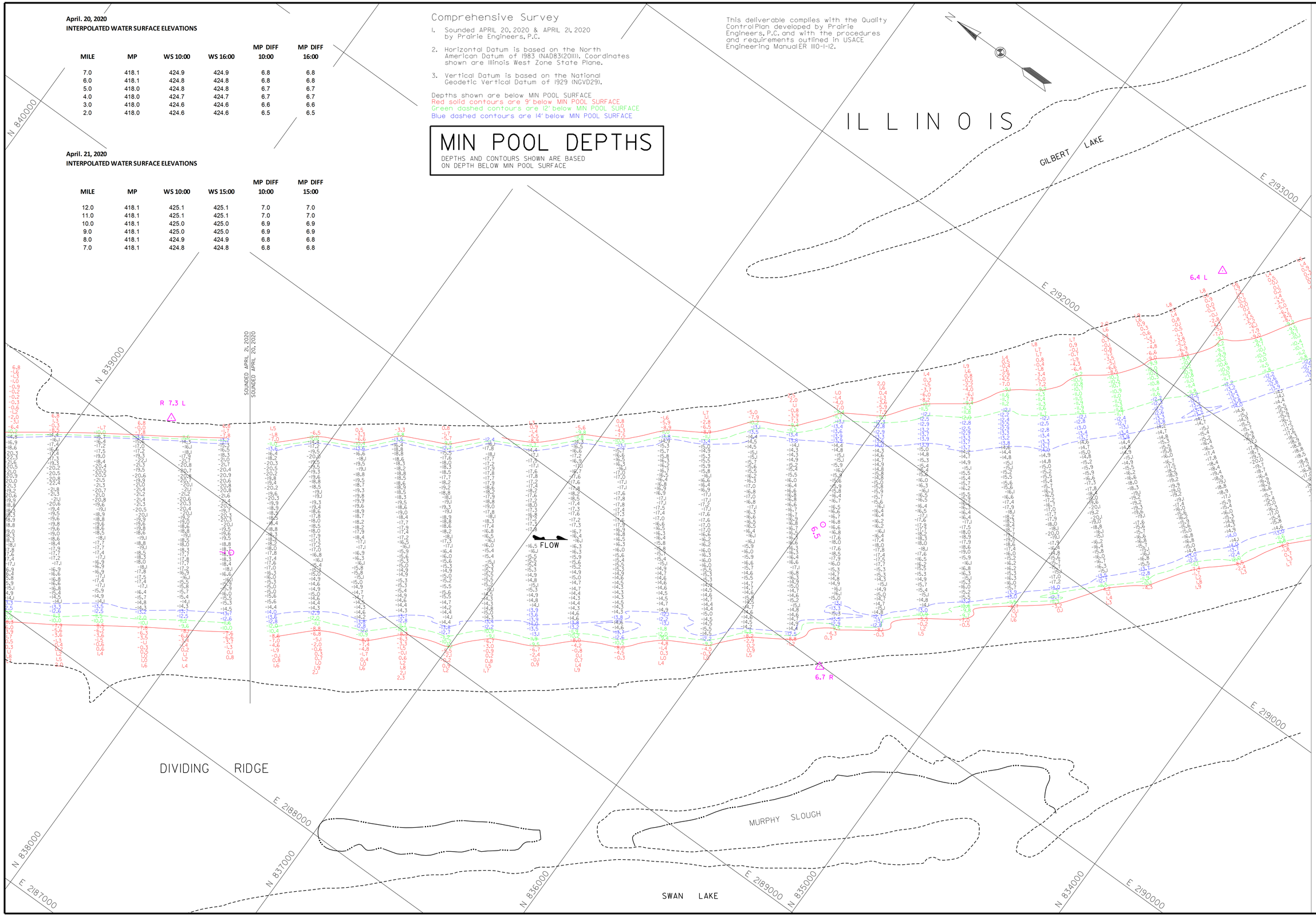
1. Sounded APRIL 20, 2020 & APRIL 21, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Illinois West Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

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

	HARDIN	GRAFTON
WATER SURFACE ZERO N.G.V.D.	400.0	403.8
MILE	21.5	0.0
MIN. POOL	418.2	418.0
DATE	425.8 (1Q000) 425.8 (1662001)	424.4 (1Q000) 424.5 (1662001)

ELEVATIONS ARE REFERED TO NGVD. CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (L:\ROJ\154000 CF.DJ)

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

ILLINOIS RIVER BASIN

ILLINOIS RIVER

Survey Dates: APRIL 20, 2020
APRIL 21, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: ILR_080_000_mp_sht69.dgn

Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS

Drawn by: JLK/BJB
Ckd by: DEF

Reviewed by:

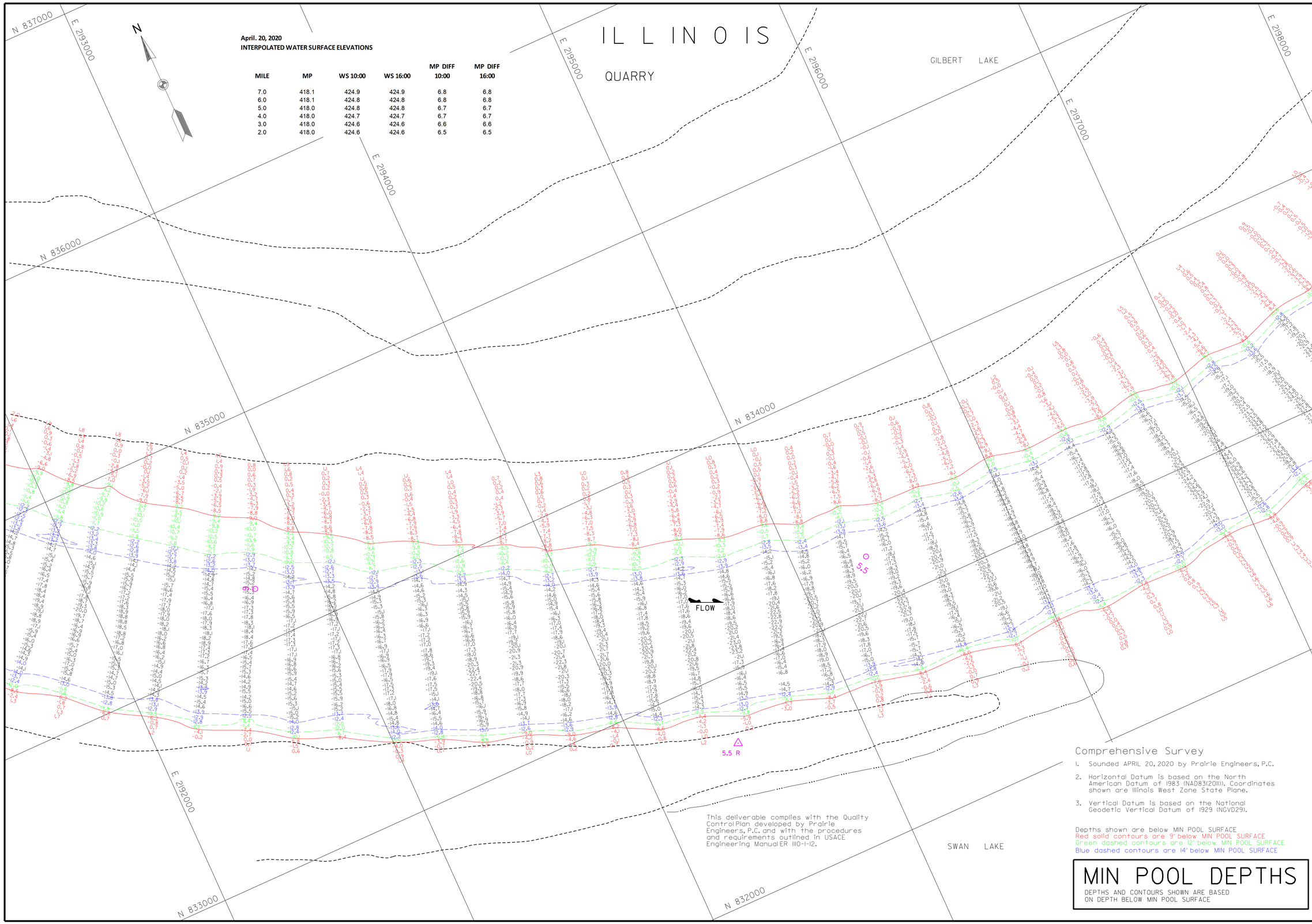
APPROVED:
Chief, Geospatial Branch

120 METERS 400 FEET
0 60 200
60 200

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE BEST DATA AVAILABLE AT THE TIME OF PUBLICATION. IT MAY BE SUBJECT TO CHANGE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
69



April. 20, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 16:00	MP DIFF 10:00	MP DIFF 16:00
7.0	418.1	424.9	424.9	6.8	6.8
6.0	418.1	424.8	424.8	6.8	6.8
5.0	418.0	424.8	424.8	6.7	6.7
4.0	418.0	424.7	424.7	6.7	6.7
3.0	418.0	424.6	424.6	6.6	6.6
2.0	418.0	424.6	424.6	6.5	6.5

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.

Comprehensive Survey

1. Sounded APRIL 20, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	20 APR 2020	425.8 (10:00)	424.4 (10:00)
		425.8 (16:00)	424.5 (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: APRIL 20, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR.080.000.mp.sht70.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

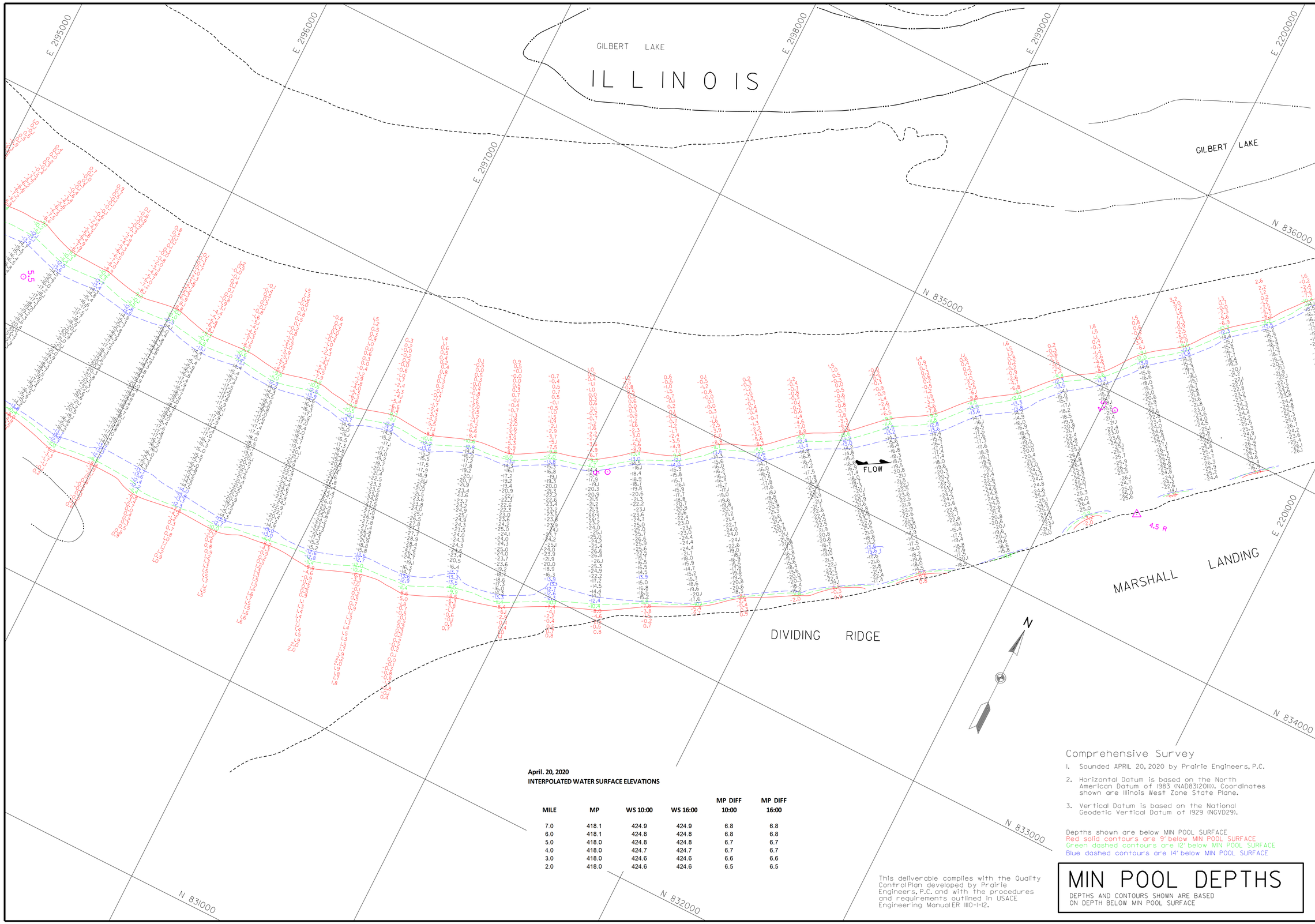
ILLINOIS RIVER BASIN
ILLINOIS RIVER

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
70



April. 20, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 16:00	MP DIFF 10:00	MP DIFF 16:00
7.0	418.1	424.9	424.9	6.8	6.8
6.0	418.1	424.8	424.8	6.8	6.8
5.0	418.0	424.8	424.8	6.7	6.7
4.0	418.0	424.7	424.7	6.7	6.7
3.0	418.0	424.6	424.6	6.6	6.6
2.0	418.0	424.6	424.6	6.5	6.5

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.

Comprehensive Survey

1. Sounded APRIL 20, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	20 APR 2020	425.8 (10:00)	424.4 (10:00)
		425.8 (16:00)	424.5 (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: APRIL 20, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_0860_000_mp_sht71.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

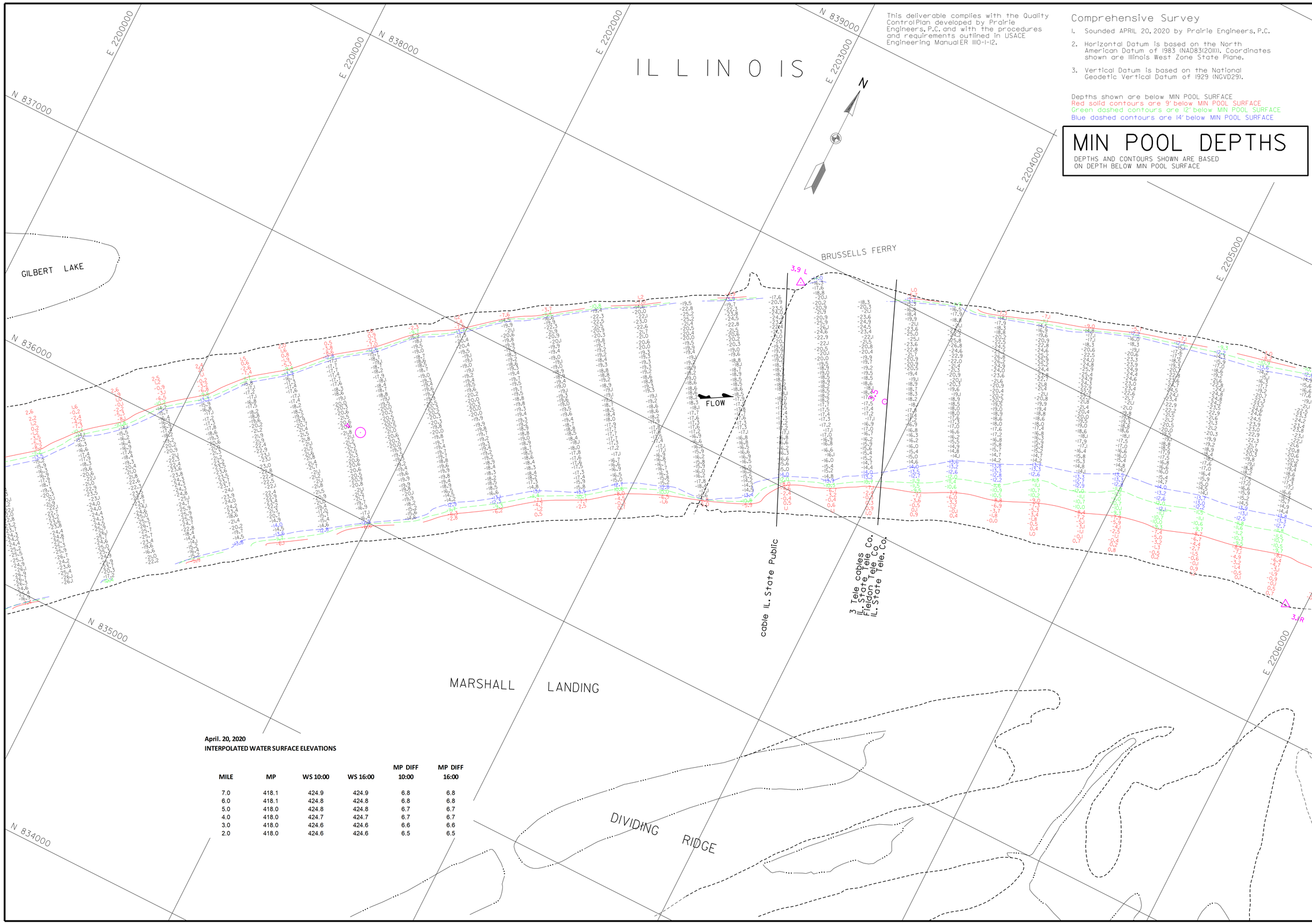
ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
71



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.

Comprehensive Survey

1. Sounded APRIL 20, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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

April. 20, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 16:00	MP DIFF 10:00	MP DIFF 16:00
7.0	418.1	424.9	424.9	6.8	6.8
6.0	418.1	424.8	424.8	6.8	6.8
5.0	418.0	424.8	424.8	6.7	6.7
4.0	418.0	424.7	424.7	6.7	6.7
3.0	418.0	424.6	424.6	6.6	6.6
2.0	418.0	424.6	424.6	6.5	6.5

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	20 APR 2020	425.8 (10:00)	424.4 (10:00)
		425.8 (16:00)	424.5 (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: APRIL 20, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: ILR_0800_0000_mp_ch172.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

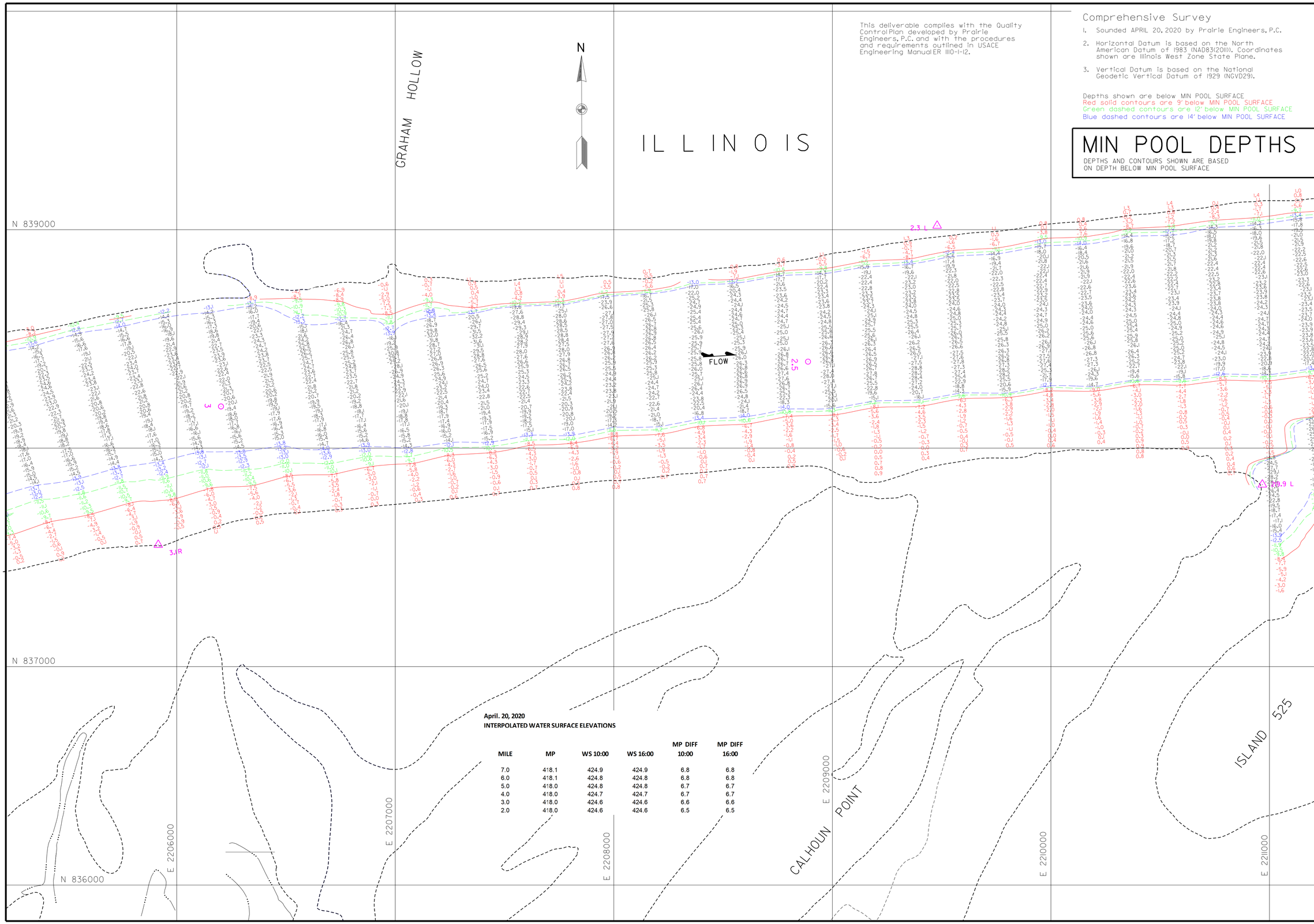
ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
72



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.

Comprehensive Survey

1. Sounded APRIL 20, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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

April. 20, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 16:00	MP DIFF 10:00	MP DIFF 16:00
7.0	418.1	424.9	424.9	6.8	6.8
6.0	418.1	424.8	424.8	6.8	6.8
5.0	418.0	424.8	424.8	6.7	6.7
4.0	418.0	424.7	424.7	6.7	6.7
3.0	418.0	424.6	424.6	6.6	6.6
2.0	418.0	424.6	424.6	6.5	6.5

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	20 APR 2020	425.8 (10:00)	424.4 (10:00)
		425.8 (16:00)	424.5 (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: APRIL 20, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 1LR_080_000_mp_sht73.dgn
Plot date: 7/15/2020
Plot scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Ckd by: DEF
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

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
73

DAGETT HOLLOW

MASON HOLLOW

ILLINOIS

SOUNDED APRIL 20, 2020
SOUNDED APRIL 15, 2020

N 839000

N 837000

N 836000

E 211000

E 212000

E 213000

E 214000

E 215000

E 216000

ISLAND 525

MASON ISLAND

FLOW

L5

L9

L19.9 L

L 18.0 L

N

April. 20, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 16:00	MP DIFF 10:00	MP DIFF 16:00
7.0	418.1	424.9	424.9	6.8	6.8
6.0	418.1	424.8	424.8	6.8	6.8
5.0	418.0	424.8	424.8	6.7	6.7
4.0	418.0	424.7	424.7	6.7	6.7
3.0	418.0	424.6	424.6	6.6	6.6
2.0	418.0	424.6	424.6	6.5	6.5

April. 15, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 16:00	MP DIFF 12:00	MP DIFF 16:00
2.0	418.0	424.7	424.7	6.7	6.7
1.0	418.0	424.6	424.6	6.6	6.6
0.0	418.0	424.6	424.5	6.6	6.5

Comprehensive Survey

1. Sounded APRIL 15, 2020 & APRIL 20, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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	15 APR 2020	426.2 (I2:00)	424.6 (I2:00)
		426.1 (I6:00)	424.5 (I6:00)

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1956-ST LOW WATER REFERENCE PLANE (L:\MOJO\ISLAND 525.DGN)

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Checked by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

Survey Dates: APRIL 15, 2020 APRIL 20, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File names: IL8_880_800_mp_sht74.dgn
Plot date: 7/15/2020
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

120 METERS 60 0 60 200
400 FEET 200 0 200

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

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER
74

Comprehensive Survey

1. Sounded APRIL 15, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). 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

ILLINOIS

GRAFTON

ILLINOIS RIVER

MASON ISLAND

MASON CHUTE

ISLAND 526

MISSISSIPPI RIVER

MASON HOLLOW

DISTILLERY HOLLOW

BABY HOLLOW

218.0 L

218.9 L

218.3 L

218.5

B 0.2B

FLOW

N 839000

N 838000

N 837000

N 836000

N 835000

E 2217000

E 2218000

E 2219000

E 2220000

E 2221000

E 2222000

April. 15, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 16:00	MP DIFF 12:00	MP DIFF 16:00
2.0	418.0	424.7	424.7	6.7	6.7
1.0	418.0	424.6	424.6	6.6	6.6
0.0	418.0	424.6	424.5	6.6	6.5

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		48.2	418.0
DATE	15 APR 2020	426.2 (12:00) 426.0 (16:00)	424.6 (12:00) 424.5 (16:00)

ELEVATIONS ARE REFERRED TO N.G.V.D.; CONTOURS ARE BELOW 1956-57 LOW WATER REFERENCE PLANE (LWRP) (1924.0 GLOBD CF.S.)

Survey Dates: APRIL 15, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File names: ILR_080_000_mp_sht75.dgn

Plot date: 7/15/2020
Plot scale: 1" = 2000'

APPROVED:
Chief, Geospatial Branch

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLK/BJB
Chkd by: DEF
Reviewed by:

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

ILLINOIS RIVER
CHANNEL SURVEY
RIVER MILES 80.0 - 00.0

120 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY THE ORGANIZATION HEREIN NAMED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
RIVER MILES 80.0 - 00.0

PLATE NUMBER

75