North

Scale: 1 Inch = 200.00 Feet

250 500 1000 1500 2000 Feet

Gage Records 05 June, 2023

	16:00	09:00
Pearl	9.00=20.2	9.00=19.43
Hardin	16.00= 21.9	16.00= 19.32
Grafton	9.00=15.24	16.00= 15.19

clr 28.3

clr 28.3

FIG 4s

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP 09:00 DIFF	MP 16:00 DIFF
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

< 9.00
9.00
11.00
13.00
>= 15.00

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
5. Depths shown are referenced to Minimum Pool (MP)
   Red depths are between 9 feet (MP) and the surface
   Orange depths are 9 to 11 feet below Minimum Pool (MP)
   Green depths are 11 to 13 feet below Minimum Pool (MP)
   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

PRELIMINARY

Pearl, IL

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

DATES OF SURVEY: 05 June, 2023

FILE NO.:
REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

35

North

Scale: 1 Inch = 200.00 Feet

250 500 1000 1500 2000 Feet

Pearl, IL

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

< 9.00
9.00
11.00
13.00
>= 15.00

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West. Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
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   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9.00=20.2	16.00=.21.9
Hardin	9.00=19.43	16.00=.19.32
Grafton	9.00=15.24	16.00=.15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.: REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

< 9.00
9.00
11.00
13.00
>= 15.00

CHANNEL PATROL SURVEY

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Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023
Pearl 9.00=20.2 16.00=20.9
Hardin 9.00=19.43 16.00=19.32
Grafton 9.00=15.24 16.00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.:
REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

37

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
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   Black depths are 15 feet and greater are below Minimum Pool (MP)
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Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

	16:00	09:00
Pearl	16.00=+21.9	9.00=+20.2
Hardin	16.00=+13.32	9.00=+19.43
Grafton	16.00= 15.19	9.00=+15.24

DATES OF SURVEY: 05 June, 2023

FILE NO.:
REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

38

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.39	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
5. Depths shown are referenced to Minimum Pool (MP)
   Red depths are between 9 feet (MP) and the surface
   Orange depths are 9 to 11 feet below Minimum Pool (MP)
   Green depths are 11 to 13 feet below Minimum Pool (MP)
   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9.00=20.2	16.00= 20.9
Hardin	9.00=19.43	16.00= 19.32
Grafton	9.00=15.24	16.00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.:
REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

39

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
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   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
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Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9:00=20.2	16:00= 20.9
Hardin	9:00=19.43	16:00= 19.32
Grafton	9:00=15.24	16:00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.:
REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia,Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

X:2,170,000

North

Scale: 1 Inch = 200.00 Feet

250 500 1000 1500 2000 Feet

37

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

< 9.00
9.00
11.00
13.00
>= 15.00

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
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6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9.00=20.2	16.00=20.9
Hardin	9.00=19.43	16.00=19.32
Grafton	9.00=15.24	16.00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.: REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
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Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9:00=20.2	16:00=19.9
Hardin	9:00=19.43	16:00=19.32
Grafton	9:00=15.24	16:00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.: REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

42

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.79
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.59	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
5. Depths shown are referenced to Minimum Pool (MP)
   Red depths are between 9 feet (MP) and the surface
   Orange depths are 9 to 11 feet below Minimum Pool (MP)
   Green depths are 11 to 13 feet below Minimum Pool (MP)
   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023
Pearl 9:00=20.2 16:00=20.9
Hardin 9:00=19.43 16:00=19.32
Grafton 9:00=15.24 16:00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.: / REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
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   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

	9:00=	16:00=
Pearl	9.00=20.2	16.00=21.9
Hardin	9.00=19.43	16.00=19.32
Grafton	9.00=15.24	16.00= 15.19

SCALE: 1" = 200'

DATES OF SURVEY: 05 June, 2023

FILE NO.:
REQUEST NO.:

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

44

North

Scale: 1 Inch = 200.00 Feet

250 500 1000 1500 2000 Feet

Y-960,000

Y-964,000

Y-968,000

Y-956,000

Y-960,000

Kampsville, IL

Kamp

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

< 9.00
9.00
11.00
13.00
>= 15.00

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
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Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023
Pearl 9:00=20.2 16:00=19.9
Hardin 9:00=19.43 16:00=19.32
Grafton 9:00=15.24 16:00= 15.19

DATES OF SURVEY: 05 June, 2023

SCALE: 1" = 200'

FIELD BOOKS:

FILE NO.:
REQUEST NO.:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia IL 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

45

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	09:00 MP DIFF	16:00 MP DIFF
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

ST. LOUIS DIST

Gage Records 05 June, 2023

	9:00	16:00
Pearl	9.00=20.2	16.00=20.9
Hardin	9.00=19.43	16.00=19.32
Grafton	9.00=15.24	16.00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.: REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER

CHANNEL PATROL SURVEY

RIVER MILES 043.2 - 000.0

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

ST. LOUIS DIST

Gage Records 05 June, 2023

	16:00= 20.9
Pearl	16:00= 13.32
Hardin	9:00=19.43
Grafton	9:00=15.24
	16:00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.: REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP_DIFF 09:00	MP_DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.62	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

< 9.00
9.00
11.00
13.00
>= 15.00

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
5. Depths shown are referenced to Minimum Pool (MP)
   Red depths are between 9 feet (MP) and the surface
   Orange depths are 9 to 11 feet below Minimum Pool (MP)
   Green depths are 11 to 13 feet below Minimum Pool (MP)
   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9:00=20.2	16:00= 20.9
Hardin	9:00=19.43	16:00= 19.32
Grafton	9:00=15.24	16:00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.:
REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.23	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Enginners, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
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4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
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   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9:00=20.2	16:00=20.9
Hardin	9:00=19.43	16:00=19.32
Grafton	9:00=15.24	16:00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.: REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP_DIFF 09:00	MP_DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.42
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Enginners, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
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   Orange depths are 9 to 11 feet below Minimum Pool (MP)
   Green depths are 11 to 13 feet below Minimum Pool (MP)
   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023
Pearl 9:00= 20.2 16:00= 19.9
Hardin 9:00= 19.43 16:00= 19.32
Grafton 9:00= 15.24 16:00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.: / REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

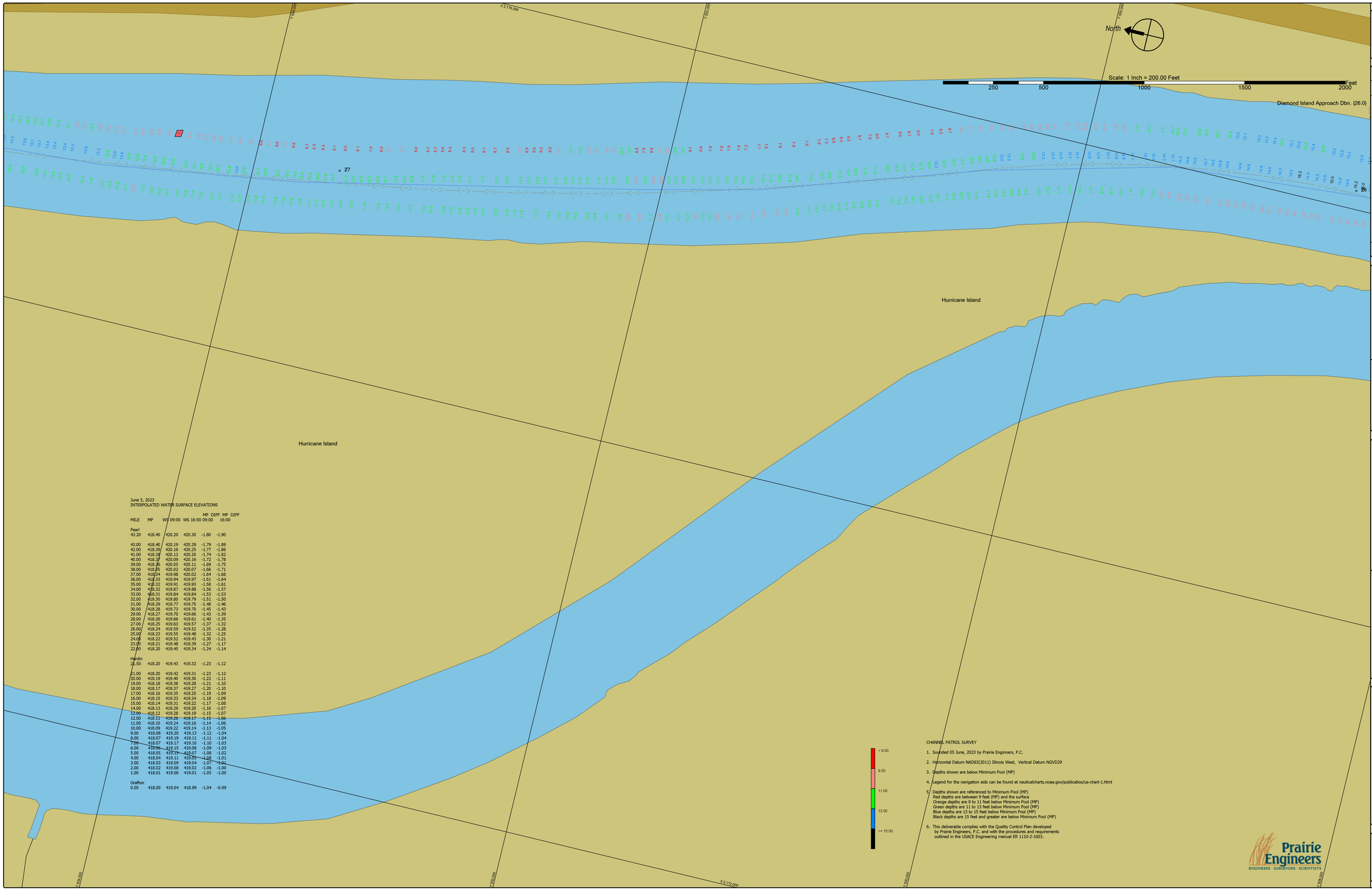
Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

50



June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP_DIFF 09:00	MP_DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.07	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Enginners, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
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   Blue depths are 13 to 15 feet below Minimum Pool (MP)
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Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023
Pearl 9.00=20.2 16.00=20.9
Hardin 9.00=19.43 16.00=19.32
Grafton 9.00=15.24 16.00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.: / REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

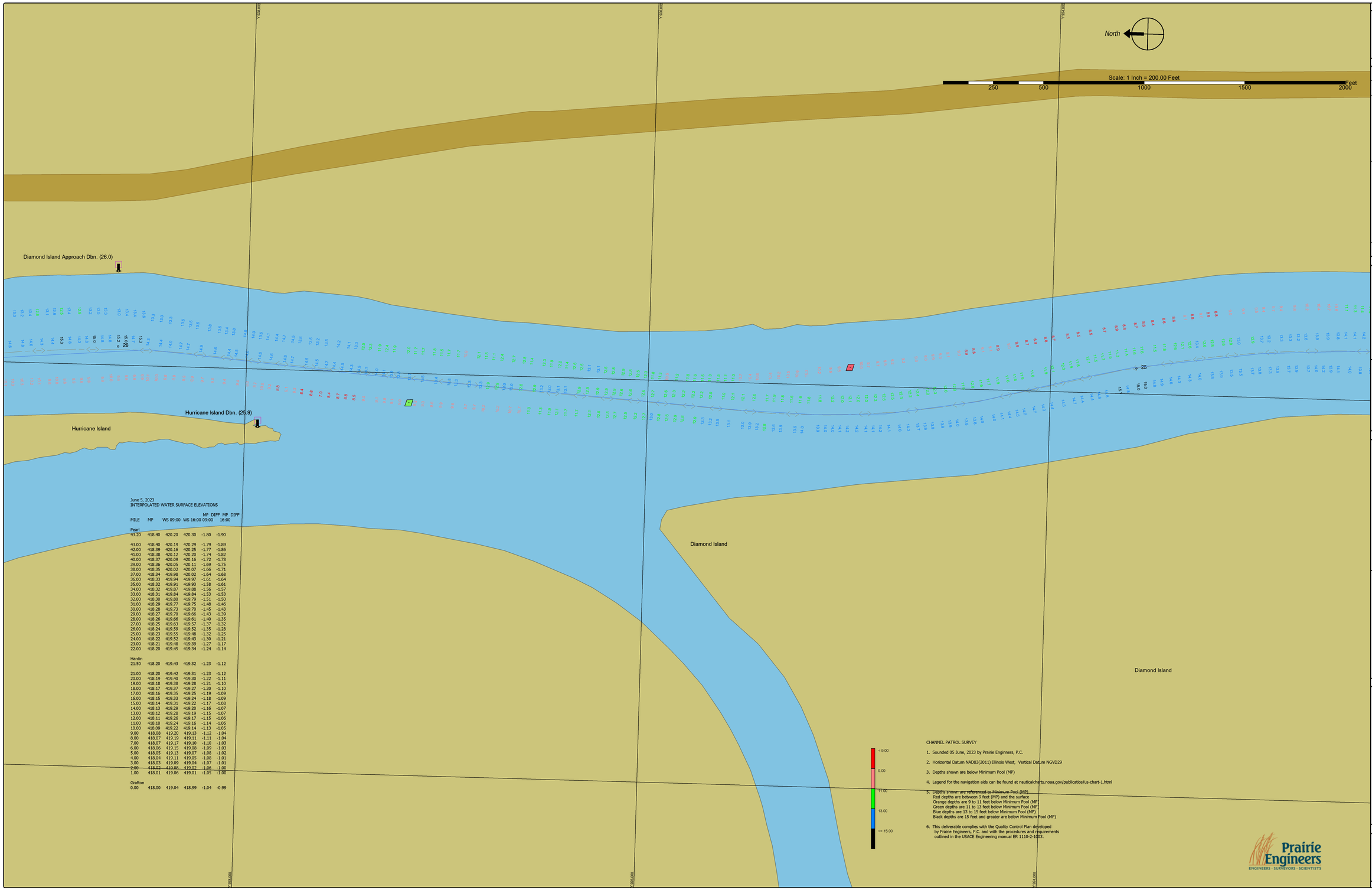
Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia,Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0



June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

< 9.00
9.00
11.00
13.00
>= 15.00

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Enginners, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
5. Depths shown are referenced to Minimum Pool (MP)
   Red depths are between 9 feet (MP) and the surface
   Orange depths are 9 to 11 feet below Minimum Pool (MP)
   Green depths are 11 to 13 feet below Minimum Pool (MP)
   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

	16:00= 20.9
Pearl	16:00= 19.32
Hardin	9:00=19.43
Grafton	9:00=15.24

DATES OF SURVEY: 05 June, 2023

FILE NO.: REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF OF SURVEY

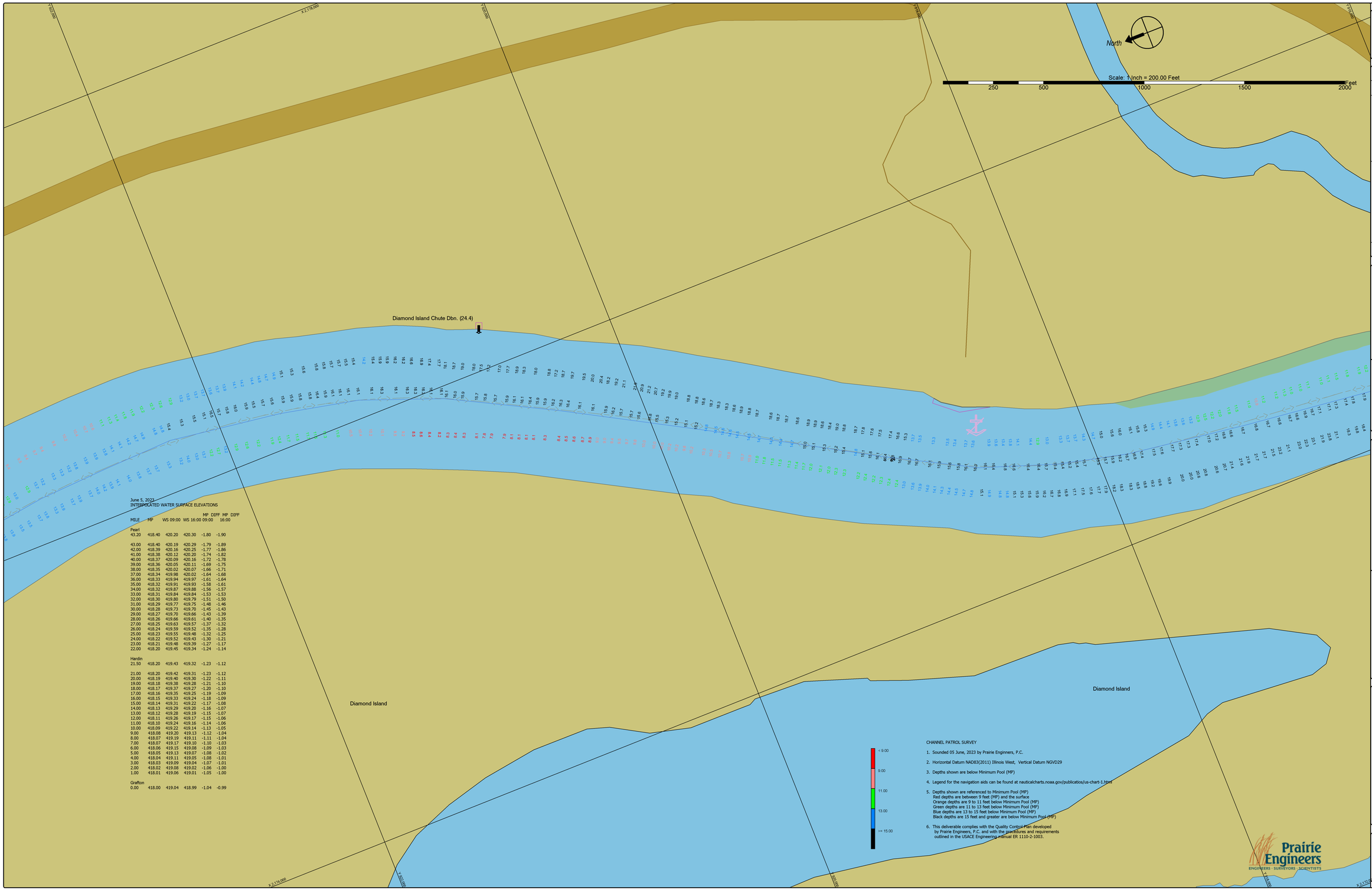
Approved: Darren Forry
CHIEF OF SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0



June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP_DIFF 09:00	MP_DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

ST. LOUIS DIST

Gage Records 05 June, 2023

	16:00	09:00
Pearl	9.00=20.2	9.00=19.43
Hardin	9.00=19.32	9.00=15.24
Grafton	16.00= 15.19	

DATES OF SURVEY: 05 June, 2023

FILE NO.: REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

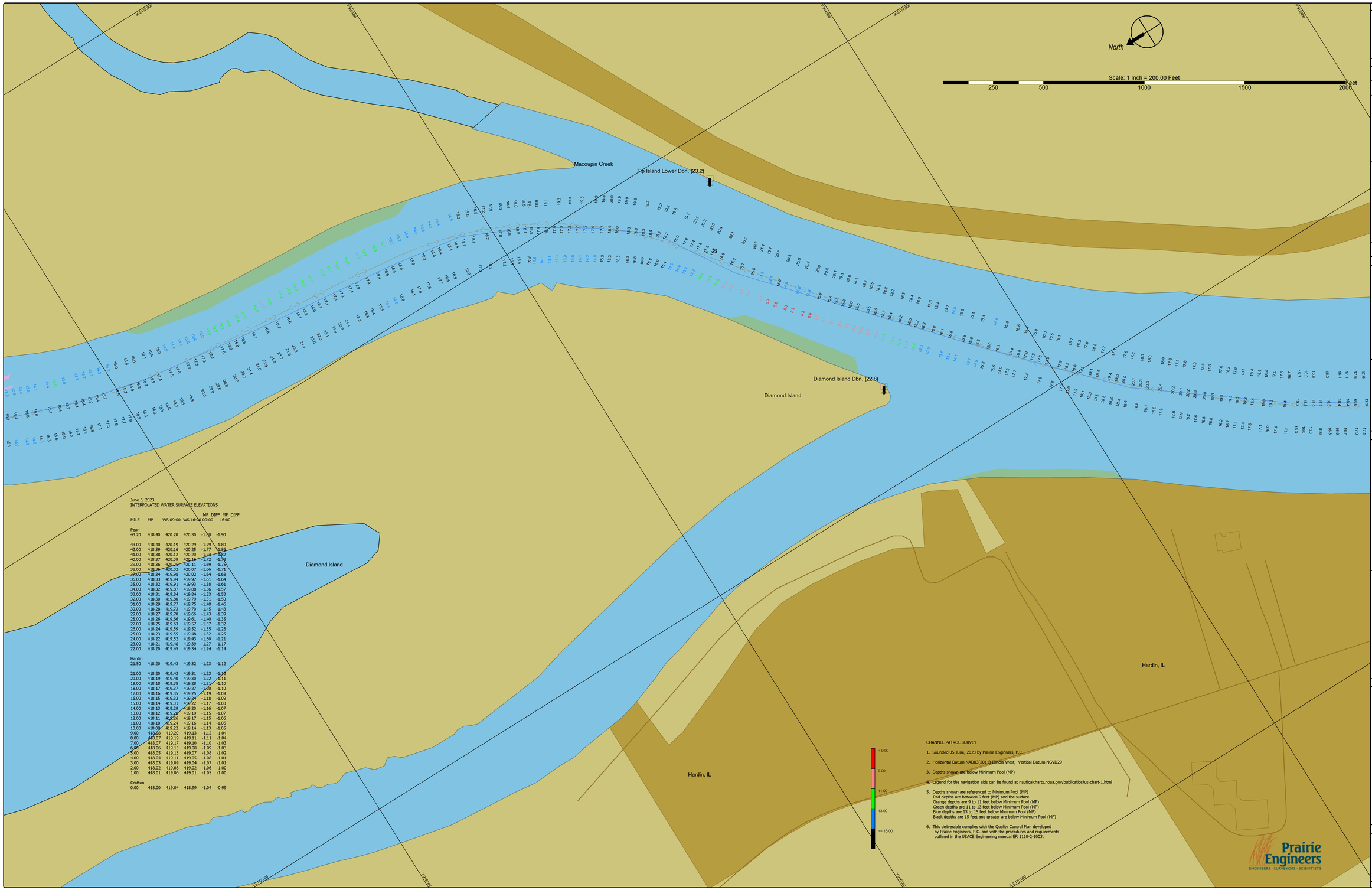
Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

53



June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP_DIFF 09:00	MP_DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.79
39.00	418.36	420.06	420.11	-1.69	-1.75
38.00	418.36	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.11
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
5. Depths shown are referenced to Minimum Pool (MP)
   Red depths are between 9 feet (MP) and the surface
   Orange depths are 9 to 11 feet below Minimum Pool (MP)
   Green depths are 11 to 13 feet below Minimum Pool (MP)
   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9:00=20.2	16:00=20.9
Hardin	9:00=19.43	16:00=19.32
Grafton	9:00=15.24	16:00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.: / REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

North
Scale: 1 Inch = 200.00 Feet
250
500
1000
1500
2000
Feet
Hardin, IL
Calhoun Point
CE 19.8
FR
FR
FR

North

Scale: 1 Inch = 200.00 Feet

250 500 1000 1500 2000 Feet

Jersey County Grain

Jersey County Grain

FIG 6s (priv)

FIG 6s (priv)

clr 26.7

Hardin, IL

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

9.00
9.00
11.00
13.00
15.00

Hardin, IL CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publicatios/us-chart-1.html
5. Depths shown are referenced to Minimum Pool (MP)
   Red depths are between 9 feet (MP) and the surface
   Orange depths are 9 to 11 feet below Minimum Pool (MP)
   Green depths are 11 to 13 feet below Minimum Pool (MP)
   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9.00=20.2	16.00= 20.9
Hardin	9.00=19.43	16.00= 19.32
Grafton	9.00=15.24	16.00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.: REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

ILLINOIS RIVER

CHANNEL PATROL SURVEY

RIVER MILES 043.2 - 000.0

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

North

Scale: 1 Inch = 200.00 Feet

250 500 1000 1500 2000 Feet

Jersey County Grain

Mortland Island Upper Dbn. (19.4)

Mortland Island

< 9.00
9.00
11.00
13.00
>= 15.00

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Enginners, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publicatios/us-chart-1.html
5. Depths shown are referenced to Minimum Pool (MP)
   Red depths are between 9 feet (MP) and the surface
   Orange depths are 9 to 11 feet below Minimum Pool (MP)
   Green depths are 11 to 13 feet below Minimum Pool (MP)
   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9:00= 20.2	16:00= 20.9
Hardin	9:00= 19.43	16:00= 19.32
Grafton	9:00=15.24	16:00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.: / REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF OF SURVEY

Approved: Darren Forry
CHIEF OF SURVEY

Date: 06 June, 2023

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

Y 480,000

X 2,174,000

North

Scale: 1 Inch = 200.00 Feet

250 500 1000 1500 2000 Feet

19

18

Mortland Island

Mortland Island

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

< 9.00
9.00
11.00
13.00
>= 15.00

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Enginners, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
5. Depths shown are referenced to Minimum Pool (MP)
   Red depths are between 9 feet (MP) and the surface
   Orange depths are 9 to 11 feet below Minimum Pool (MP)
   Green depths are 11 to 13 feet below Minimum Pool (MP)
   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

X 2,168,000 X 2,170,000

Y 484,000 Y 482,000 Y 480,000

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9:00=20.2	16:00=19.9
Hardin	9:00=19.43	16:00=19.32
Grafton	9:00=15.24	16:00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.: REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FP SURVEY

Approved: Darren Forry
CHIEF, FP SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

Y 665,000

Y 667,000

Y 669,000

X 2,176,000

North

Scale: 1 inch = 200.00 Feet

250 500 1000 1500 2000 Feet

Mortland Island

18

17

X 2,172,000

X 2,168,000

X 2,164,000

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.26	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

< 9.00
9.00
11.00
13.00
>= 15.00

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Enginners, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publicatios/us-chart-1.html
5. Depths shown are referenced to Minimum Pool (MP)
   Red depths are between 9 feet (MP) and the surface
   Orange depths are 9 to 11 feet below Minimum Pool (MP)
   Green depths are 11 to 13 feet below Minimum Pool (MP)
   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9.00=20.2	16.00=20.9
Hardin	9.00=19.43	16.00=19.32
Grafton	9.00=15.24	16.00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.: REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FP SURVEY

Approved: Darren Forry
CHIEF, FP SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER

CHANNEL PATROL SURVEY

RIVER MILES 043.2 - 000.0

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.18
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

< 9.00
9.00
11.00
13.00
>= 15.00

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Enginners, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
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   Blue depths are 13 to 15 feet below Minimum Pool (MP)
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6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9.00=20.2	16.00=20.9
Hardin	9.00=19.43	16.00=19.32
Grafton	9.00=15.24	16.00= 15.19

DATES OF SURVEY: 05 June, 2023

SCALE: 1" = 200'

FIELD BOOKS: ____ ____ ____

FILE NO.: ____
REQUEST NO.: ____

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

60

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

North

Scale: 1 Inch = 200.00 Feet

250 500 1000 1500 2000 Feet

Otter Creek

Otter Creek Lt. (14.7)

Fl(2)R 5s

Helmbold Island Dbn. (14.9)

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Enginners, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
5. Depths shown are referenced to Minimum Pool (MP)
   Red depths are between 9 feet (MP) and the surface
   Orange depths are 9 to 11 feet below Minimum Pool (MP)
   Green depths are 11 to 13 feet below Minimum Pool (MP)
   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

< 9.00
9.00
11.00
13.00
>= 15.00

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9:00=20.2	16:00=19.9
Hardin	9:00=19.43	16:00=19.32
Grafton	9:00=15.24	16:00=15.19

SCALE: 1" = 200'

DATES OF SURVEY: 05 June, 2023

FILE NO.: REQUEST NO.:

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

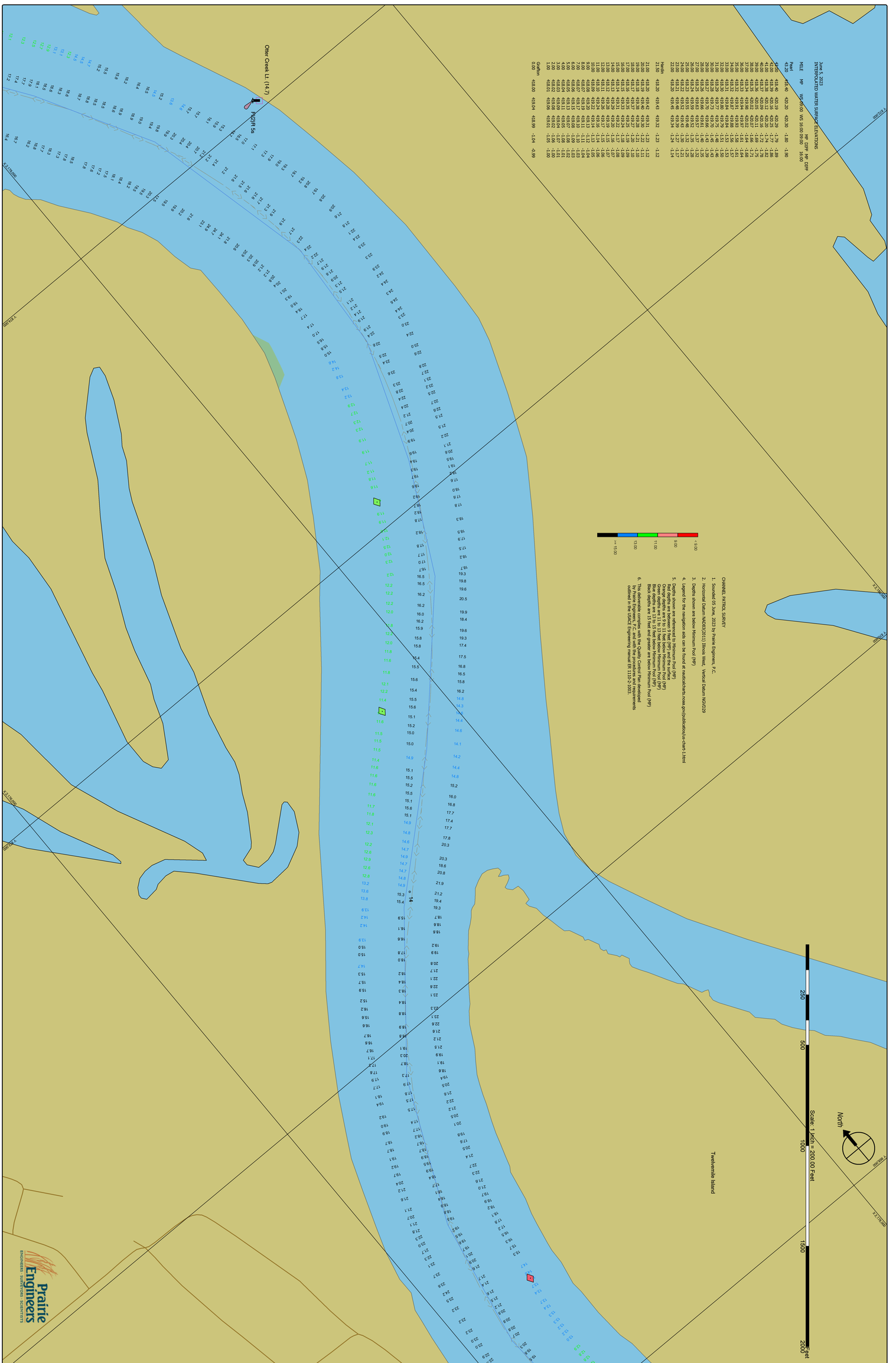
Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

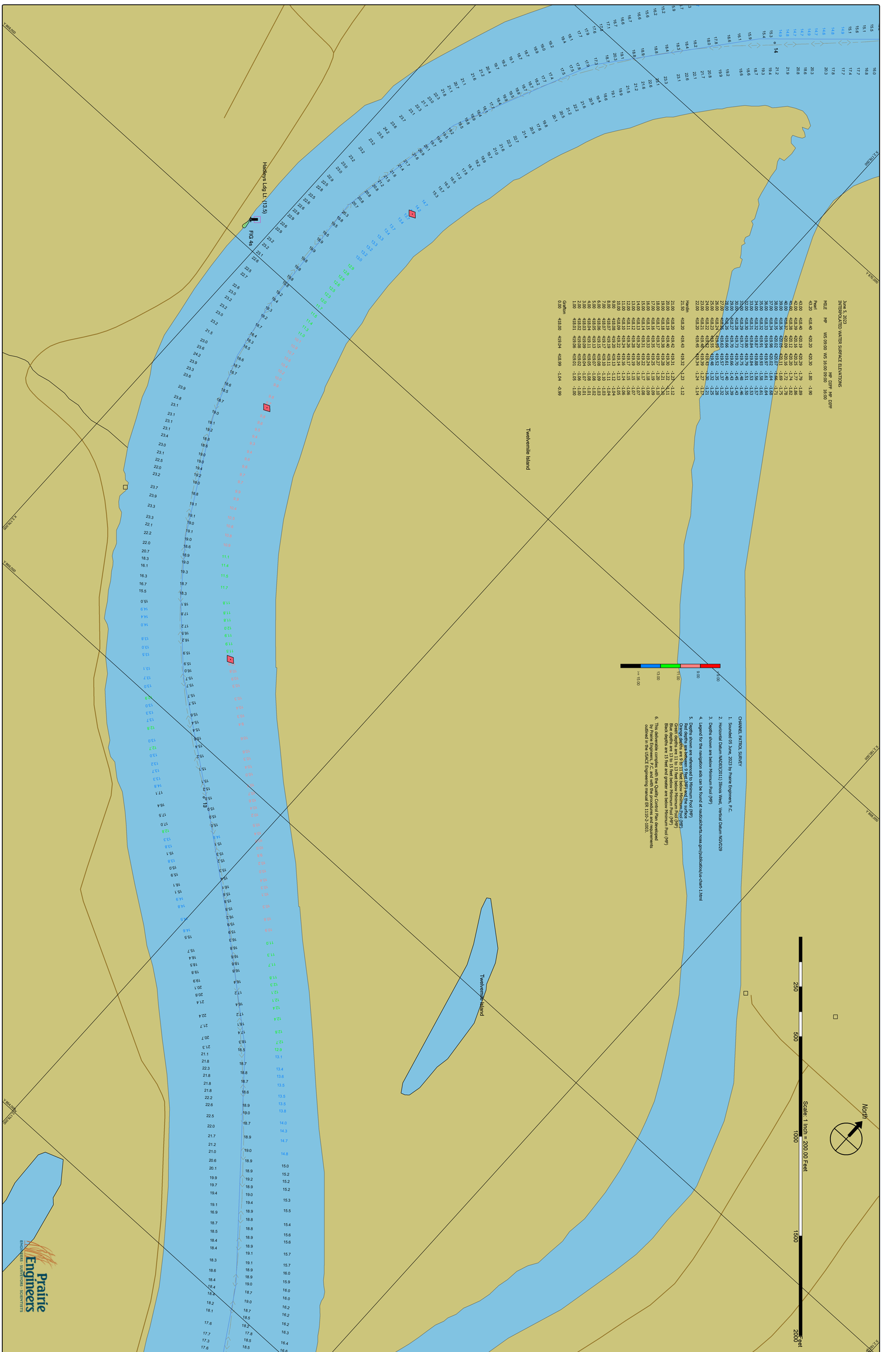
ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

61



62	ILLINOIS RIVER CHANNEL PATROL SURVEY RIVER MILES 043.2 - 000.0	U.S. ARMY CORPS OF ENGINEERS ST. LOUIS DISTRICT ST. LOUIS, MISSOURI Surveyed by: Prairie Engineers, P.C. 404 N. Main Street Columbia, Il. 62236	Approved: Abednego Nkem FIELD CARTOGRAPHER Approved: Jarrett Langer CIVIL ENGINEERING TECHNICIAN Approved: Jarrett Langer ASST. CHIEF OF SURVEY Approved: Darren Forgy CHIEF OF SURVEY Date: 06 June, 2023	SCALE: 1" = 200' FIELD BOOKS: _____ _____ _____	DATES OF SURVEY: 05 June, 2023 FILE NO.: REQUEST NO.:	Gage Records 05 June, 2023 Pearl 9:00=20.2 16:00= 20.3 Hardin 9:00=19.43 16:00= 19.32 Grafton 9:00=15.24 16:00= 15.19

ST. LOUIS DIST



63	ILLINOIS RIVER CHANNEL PATROL SURVEY RIVER MILES 043.2 - 000.0	U.S. ARMY CORPS OF ENGINEERS ST. LOUIS DISTRICT ST. LOUIS, MISSOURI Surveyed by: Prairie Engineers, P.C. 404 N. Main Street Columbia, Il. 62236	Approved: Abednego Nkem FIELD CARTOGRAPHER Approved: Jarrett Langer CIVIL ENGINEERING TECHNICIAN Approved: Jarrett Langer ASST. CHIEF OF SURVEY Approved: Darren Forgy CHIEF OF SURVEY Date: 06 June, 2023	SCALE: 1" = 200' FIELD BOOKS:	DATES OF SURVEY: 05 June, 2023 FILE NO.: REQUEST NO.:

Gage Records 05 June, 2023

Pearl	9:00=20.2	16:00= 20.3
Hardin	9:00=19.43	16:00= 19.32
Grafton	9:00=15.24	16:00= 15.19

ST. LOUIS DIST

X 2,182,000

Y 466,000

Y 468,000

Y 470,000

North

Scale: 1 Inch = 200.00 Feet

250 500 1000 1500 2000 Feet

Coon Creek Ldg Lt. (12.1)

Fl(2)R 5s

Twelvemile Island

12

X 2,178,000

Y 460,000

Y 462,000

Y 464,000

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	DIFF 09:00	DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

< 9.00
9.00
11.00
13.00
>= 15.00

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
5. Depths shown are referenced to Minimum Pool (MP)
   Red depths are between 9 feet (MP) and the surface
   Orange depths are 9 to 11 feet below Minimum Pool (MP)
   Green depths are 11 to 13 feet below Minimum Pool (MP)
   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9:00= 20.2	16:00= 20.9
Hardin	9:00= 19.43	16:00= 19.32
Grafton	9:00=15.24	16:00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.:
REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

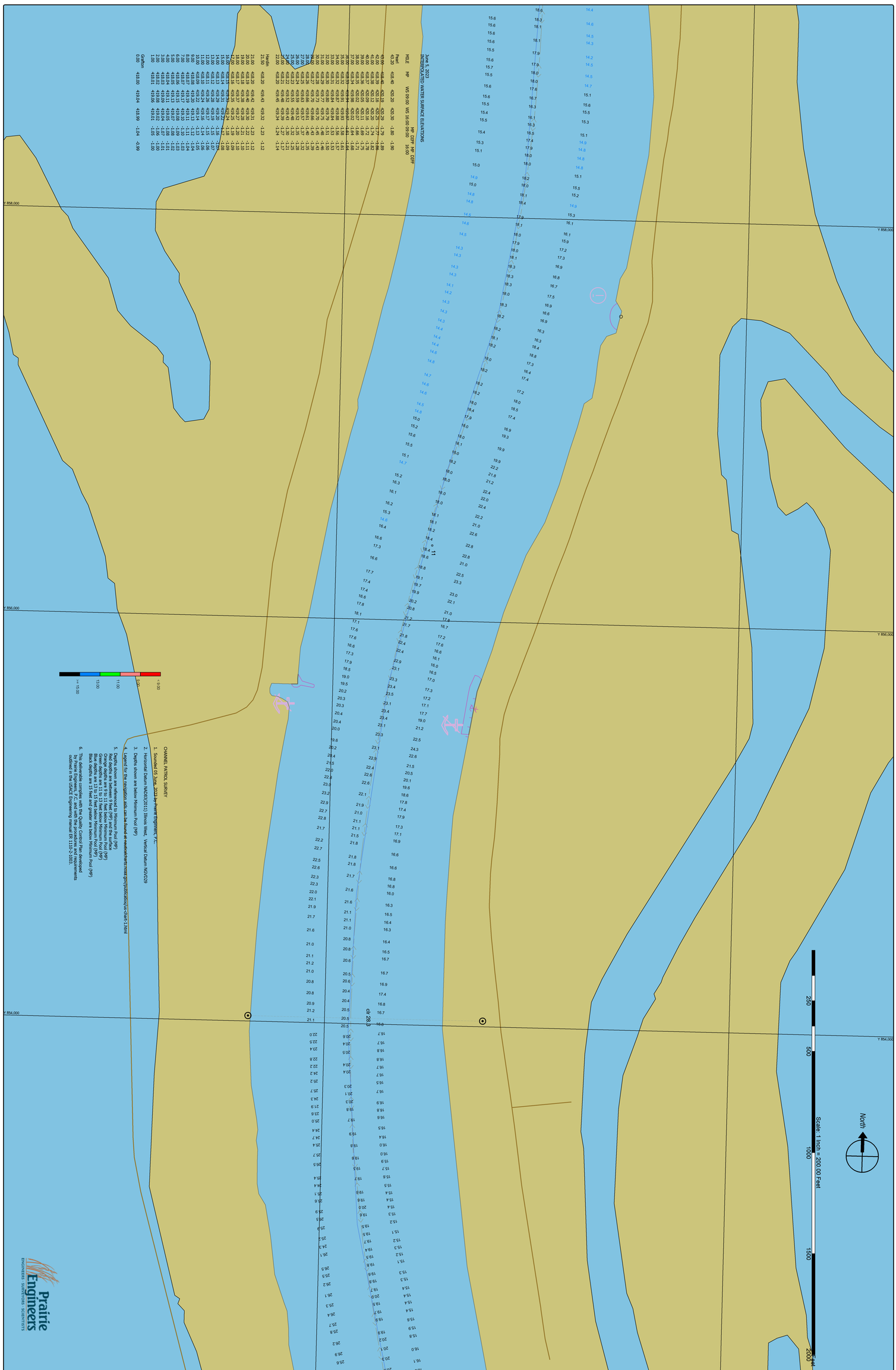
Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

64



65

ILLINOIS RIVER

CHANNEL PATROL SURVEY

RIVER MILES 043.2 - 000.0

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by:
Prairie Engineers, P.C.
404 N. Main Street
Columbia, Il. 62236

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF OF SURVEY

Approved: Darren Forgy
CHIEF OF SURVEY

Date: 06 June, 2023

SCALE:
1" = 200'

FIELD BOOKS:

DATES OF SURVEY:
05 June, 2023

FILE NO.:
REQUEST NO.:

Gage Records 05 June, 2023

Pearl	9:00=20.2	16:00= 20.3
Hardin	9:00=19.43	16:00= 19.32
Grafton	9:00=15.24	16:00= 15.19

ST. LOUIS DIST

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.16	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Enginners, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
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   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9:00= 20.2	16:00= 20.9
Hardin	9:00= 19.43	16:00= 19.32
Grafton	9:00=15.24	16:00= 15:19

DATES OF SURVEY: 05 June, 2023

FILE NO.: / REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forgy
CHIEF, FIELD SURVEY

Date: 06 June, 2023

ILLINOIS RIVER

CHANNEL PATROL SURVEY

RIVER MILES 043.2 - 000.0

66

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.18	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

North

Scale: 1 Inch = 200.00 Feet
250 500 1000 1500 2000 Feet

Six-Mile Island Dbn. (8.3)

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Enginners, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
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   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
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< 9.00
9.00
11.00
13.00
>= 15.00

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

	MP	16:00
Pearl	9.00	19.9
Hardin	9.00	19.32
Grafton	9.00	15.19
	9.00	15.24

DATES OF SURVEY: 05 June, 2023

FILE NO.: / REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

North

Scale: 1 Inch = 200.00 Feet

250 500 1000 1500 2000 Feet

Fl(2)R 6s (priv)

< 9.00
9.00
11.00
13.00
>= 15.00

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Enginners, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
5. Depths shown are referenced to Minimum Pool (MP)
   Red depths are between 9 feet (MP) and the surface
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   Green depths are 11 to 13 feet below Minimum Pool (MP)
   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9:00= 20.2	16:00= 20.9
Hardin	9:00= 19.43	16:00= 19.32
Grafton	9:00=15.24	16:00= 15:19

DATES OF SURVEY: 05 June, 2023

FILE NO.: / REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS: ____ ____ ____

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF OF SURVEY

Approved: Darren Forgy
CHIEF OF SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.06	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

North

Scale: 1 Inch = 200.00 Feet

250 500 1000 1500 2000 Feet

< 9.00
9.00
11.00
13.00
>= 15.00

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Enginners, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
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   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9:00=20.2	16:00=19.9
Hardin	9:00=19.43	16:00=19.32
Grafton	9:00=15.24	16:00= 15.19

SCALE: 1" = 200'

DATES OF SURVEY: 05 June, 2023

FIELD BOOKS:

FILE NO.:
REQUEST NO.:

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

North

Scale: 1 Inch = 200.00 Feet

250 500 1000 1500 2000 Feet

Cherokee Bend Dbn. (5.5)

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
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4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
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   Blue depths are 13 to 15 feet below Minimum Pool (MP)
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6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

< 9.00
9.00
11.00
13.00
>= 15.00

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9.00=20.2	16.00= 20.9
Hardin	9.00=19.43	16.00= 19.32
Grafton	9.00=15.24	16.00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.:
REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers P.C.
404 N. Main Street
Columbia Il. 62236

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

70

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

North

Scale: 1 Inch = 200.00 Feet

250 500 1000 1500 2000 Feet

X 1,180,000 Y 836,000 X 1,190,000 X 1,200,000 Y 833,000 X 1,180,000 X 1,190,000 X 1,200,000

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
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   Blue depths are 13 to 15 feet below Minimum Pool (MP)
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< 9.00
9.00
11.00
13.00
>= 15.00

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9.00= 20.2	16.00= 20.9
Hardin	9.00= 19.43	16.00= 19.32
Grafton	9.00=15.24	16.00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.: REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER

CHANNEL PATROL SURVEY

RIVER MILES 043.2 - 000.0

71

North

Scale: 1 Inch = 200.00 Feet

250 500 1000 1500 2000 Feet

X 838,000

X 830,000

X 822,000

X 814,000

Y 834,000

Y 826,000

Y 818,000

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

< 9.00
9.00
11.00
13.00
>= 15.00

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publication/us-chart-1.html
5. Depths shown are referenced to Minimum Pool (MP)
   Red depths are between 9 feet (MP) and the surface
   Orange depths are 9 to 11 feet below Minimum Pool (MP)
   Green depths are 11 to 13 feet below Minimum Pool (MP)
   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9:00=20.2	16:00=20.9
Hardin	9:00=19.43	16:00=19.32
Grafton	9:00=15.24	16:00= 15.19

SCALE: 1" = 200'

DATES OF SURVEY: 05 June, 2023

FILE NO.: REQUEST NO.:

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

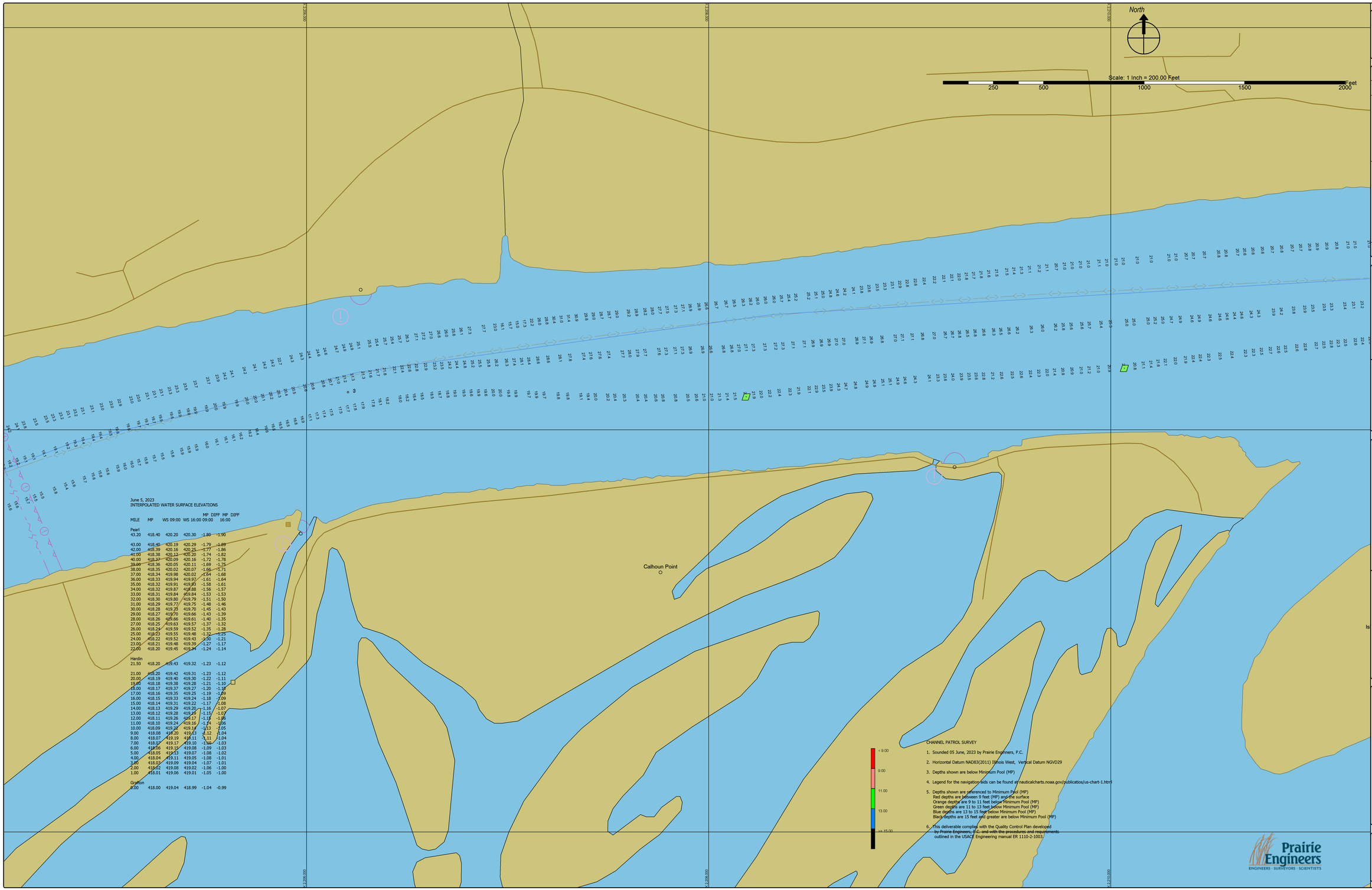
Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0



June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Graton					
0.00	418.00	419.04	418.99	-1.04	-0.99

ST. LOUIS DIST

Gage Records 05 June, 2023

	09:00	16:00
Pearl	9.00=20.2	16.00=20.9
Hardin	9.00=19.43	16.00=19.32
Grafton	9.00=15.24	16.00= 15.19

SCALE: 1" = 200'

DATES OF SURVEY: 5th June, 2023

FIELD BOOKS:

FILE NO.: REQUEST NO.:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

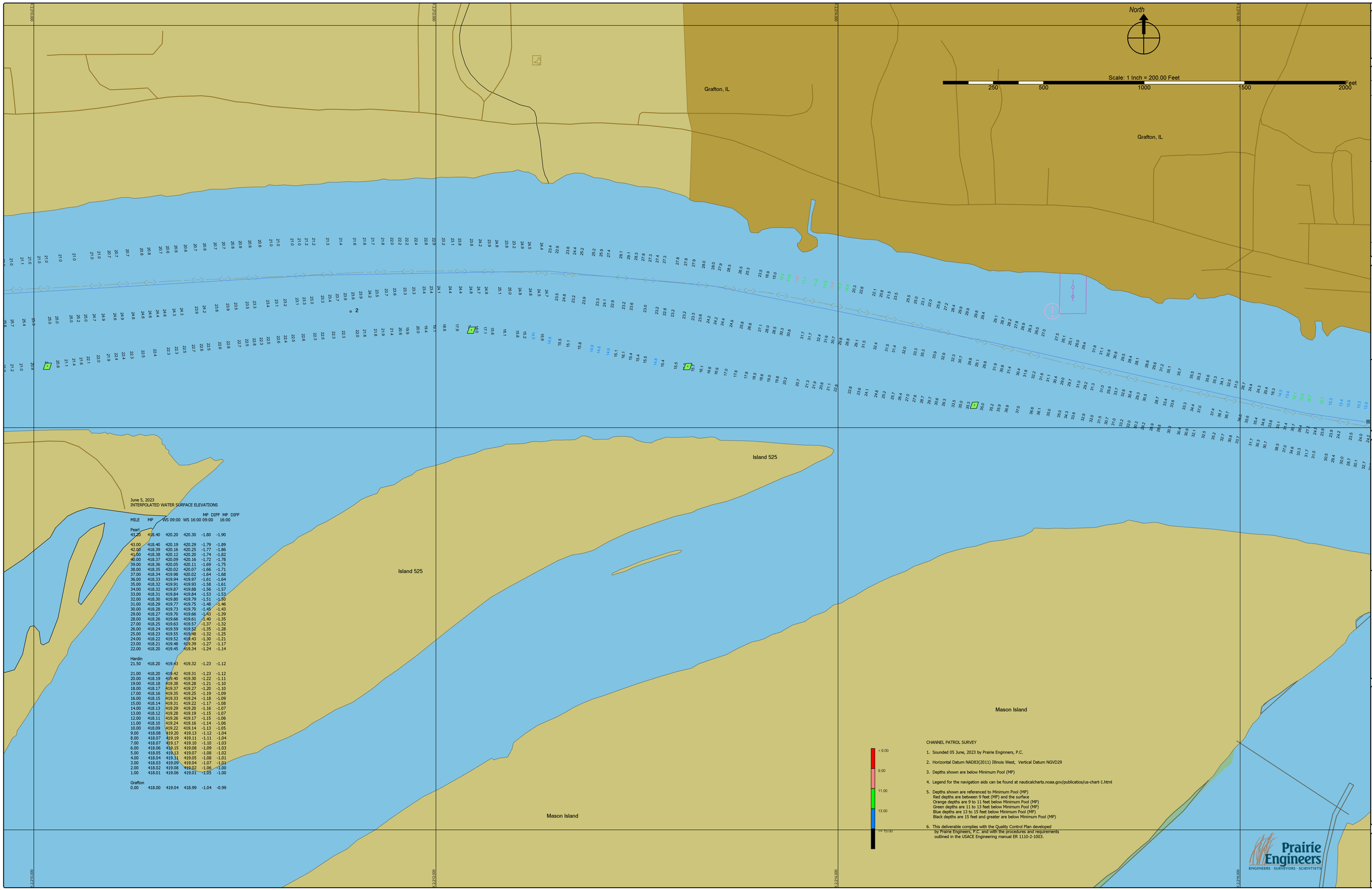
Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0



June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MP DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

< 9.00
9.00
11.00
13.00
> 15.00

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Engineers, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
5. Depths shown are referenced to Minimum Pool (MP)
   Red depths are between 9 feet (MP) and the surface
   Orange depths are 9 to 11 feet below Minimum Pool (MP)
   Green depths are 11 to 13 feet below Minimum Pool (MP)
   Blue depths are 13 to 15 feet below Minimum Pool (MP)
   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9:00=20.2	16:00=20.9
Hardin	9:00=19.43	16:00=19.32
Grafton	9:00=15.24	16:00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.: ____
REQUEST NO.: ____

SCALE: 1" = 200'

FIELD BOOKS: ____

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

June 5, 2023
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	DIFF 09:00	MP DIFF 16:00
Pearl					
43.20	418.40	420.20	420.30	-1.80	-1.90
43.00	418.40	420.19	420.29	-1.79	-1.89
42.00	418.39	420.16	420.25	-1.77	-1.86
41.00	418.38	420.12	420.20	-1.74	-1.82
40.00	418.37	420.09	420.16	-1.72	-1.78
39.00	418.36	420.05	420.11	-1.69	-1.75
38.00	418.35	420.02	420.07	-1.66	-1.71
37.00	418.34	419.98	420.02	-1.64	-1.68
36.00	418.33	419.94	419.97	-1.61	-1.64
35.00	418.32	419.91	419.93	-1.58	-1.61
34.00	418.32	419.87	419.88	-1.56	-1.57
33.00	418.31	419.84	419.84	-1.53	-1.53
32.00	418.30	419.80	419.79	-1.51	-1.50
31.00	418.29	419.77	419.75	-1.48	-1.46
30.00	418.28	419.73	419.70	-1.45	-1.43
29.00	418.27	419.70	419.66	-1.43	-1.39
28.00	418.26	419.66	419.61	-1.40	-1.35
27.00	418.25	419.63	419.57	-1.37	-1.32
26.00	418.24	419.59	419.52	-1.35	-1.28
25.00	418.23	419.55	419.48	-1.32	-1.25
24.00	418.22	419.52	419.43	-1.30	-1.21
23.00	418.21	419.48	419.39	-1.27	-1.17
22.00	418.20	419.45	419.34	-1.24	-1.14
Hardin					
21.50	418.20	419.43	419.32	-1.23	-1.12
21.00	418.20	419.42	419.31	-1.23	-1.12
20.00	418.19	419.40	419.30	-1.22	-1.11
19.00	418.18	419.38	419.28	-1.21	-1.10
18.00	418.17	419.37	419.27	-1.20	-1.10
17.00	418.16	419.35	419.25	-1.19	-1.09
16.00	418.15	419.33	419.24	-1.18	-1.09
15.00	418.14	419.31	419.22	-1.17	-1.08
14.00	418.13	419.29	419.20	-1.16	-1.07
13.00	418.12	419.28	419.19	-1.15	-1.07
12.00	418.11	419.26	419.17	-1.15	-1.06
11.00	418.10	419.24	419.16	-1.14	-1.06
10.00	418.09	419.22	419.14	-1.13	-1.05
9.00	418.08	419.20	419.13	-1.12	-1.04
8.00	418.07	419.19	419.11	-1.11	-1.04
7.00	418.07	419.17	419.10	-1.10	-1.03
6.00	418.06	419.15	419.08	-1.09	-1.03
5.00	418.05	419.13	419.07	-1.08	-1.02
4.00	418.04	419.11	419.05	-1.08	-1.01
3.00	418.03	419.09	419.04	-1.07	-1.01
2.00	418.02	419.08	419.02	-1.06	-1.00
1.00	418.01	419.06	419.01	-1.05	-1.00
Grafton					
0.00	418.00	419.04	418.99	-1.04	-0.99

CHANNEL PATROL SURVEY

1. Sounded 05 June, 2023 by Prairie Enginners, P.C.
2. Horizontal Datum NAD83(2011) Illinois West, Vertical Datum NGVD29
3. Depths shown are below Minimum Pool (MP)
4. Legend for the navigation aids can be found at nauticalcharts.noaa.gov/publications/us-chart-1.html
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   Black depths are 15 feet and greater are below Minimum Pool (MP)
6. This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in the USACE Engineering manual ER 1110-2-1003.

Prairie Engineers
ENGINEERS · SURVEYORS · SCIENTISTS

ST. LOUIS DIST

Gage Records 05 June, 2023

Pearl	9:00=20.2	16:00=20.9
Hardin	9:00=19.43	16:00=19.32
Grafton	9:00=15.24	16:00= 15.19

DATES OF SURVEY: 05 June, 2023

FILE NO.:
REQUEST NO.:

SCALE: 1" = 200'

FIELD BOOKS:

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

Surveyed by
Prairie Engineers, P.C.
404 N. Main Street
Columbia Il. 62236

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Jarrett Langer
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF FIELD SURVEY

Approved: Darren Forry
CHIEF, FIELD SURVEY

Date: 06 June, 2023

ILLINOIS RIVER
CHANNEL PATROL SURVEY
RIVER MILES 043.2 - 000.0

75