

August 19, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 13:00	MP DIFF 09:00	MP DIFF 13:00
43.2	418.4	419.7	419.7	-1.3	-1.3
43.0	418.4	419.7	419.7	-1.3	-1.3
42.0	418.4	419.7	419.7	-1.3	-1.3
41.0	418.4	419.6	419.6	-1.3	-1.3
40.0	418.4	419.6	419.6	-1.2	-1.2
39.0	418.4	419.6	419.6	-1.2	-1.2
38.0	418.4	419.6	419.6	-1.2	-1.2
37.0	418.3	419.5	419.5	-1.2	-1.2
36.0	418.3	419.5	419.5	-1.2	-1.2
35.0	418.3	419.5	419.5	-1.1	-1.1
34.0	418.3	419.4	419.4	-1.1	-1.1
33.0	418.3	419.4	419.4	-1.1	-1.1
32.0	418.3	419.4	419.4	-1.1	-1.1
31.0	418.3	419.4	419.4	-1.1	-1.1
30.0	418.3	419.3	419.3	-1.1	-1.1
29.0	418.3	419.3	419.3	-1.0	-1.0
28.0	418.3	419.3	419.3	-1.0	-1.0
27.0	418.3	419.3	419.3	-1.0	-1.0
26.0	418.2	419.2	419.2	-1.0	-1.0
25.0	418.2	419.2	419.2	-1.0	-1.0
24.0	418.2	419.2	419.2	-0.9	-0.9
23.0	418.2	419.1	419.1	-0.9	-0.9
22.0	418.2	419.1	419.1	-0.9	-0.9
21.5	418.2	419.1	419.1	-0.9	-0.9

- Pre Dredge Survey
- Sounded August 19, 2020 by Prairie Engineers, P.C.
 - Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Illinois West Zone State Plane.
 - Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

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

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

PRELIMINARY

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 110-I-12.

CAGE RECORD

WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.	400.0	400.0
MILE	43.2	21.5
MIN POOL	418.4	418.2
DATE	19 AUG 2020	418.1 (09/00)
		418.1 (03/00)
		418.1 (03/00)

ELEVATIONS ARE REFERRED TO N.A.S.D. - CONTOURS ARE BELOW MIN POOL SURFACE. ELEVATIONS ARE REFERRED TO N.A.S.D. - CONTOURS ARE BELOW MIN POOL SURFACE. (L&S)

Survey Date: August 19, 2020
 SUBMITTED: Chief, Engr. Data, Mgmt. Sect.
 File Name: 038820.pptm
 Plot Date: 8/27/2020
 Plot Scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
 Drawn by: PCE
 Checked by: JEF
 Reviewed by: JEF
 APPROVED: Chief, Geospatial Branch

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

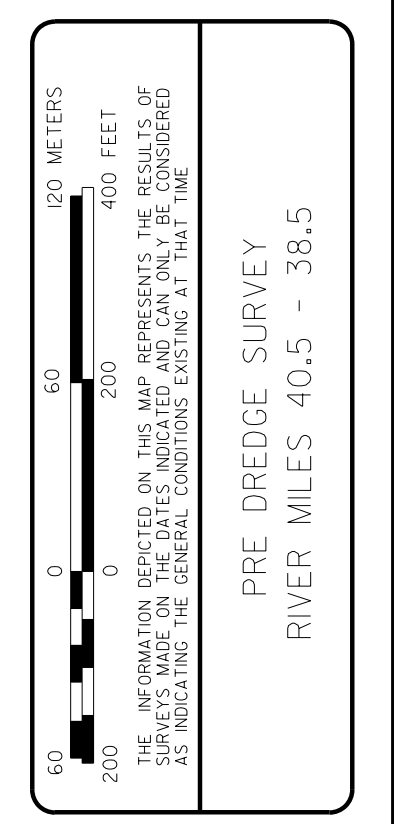
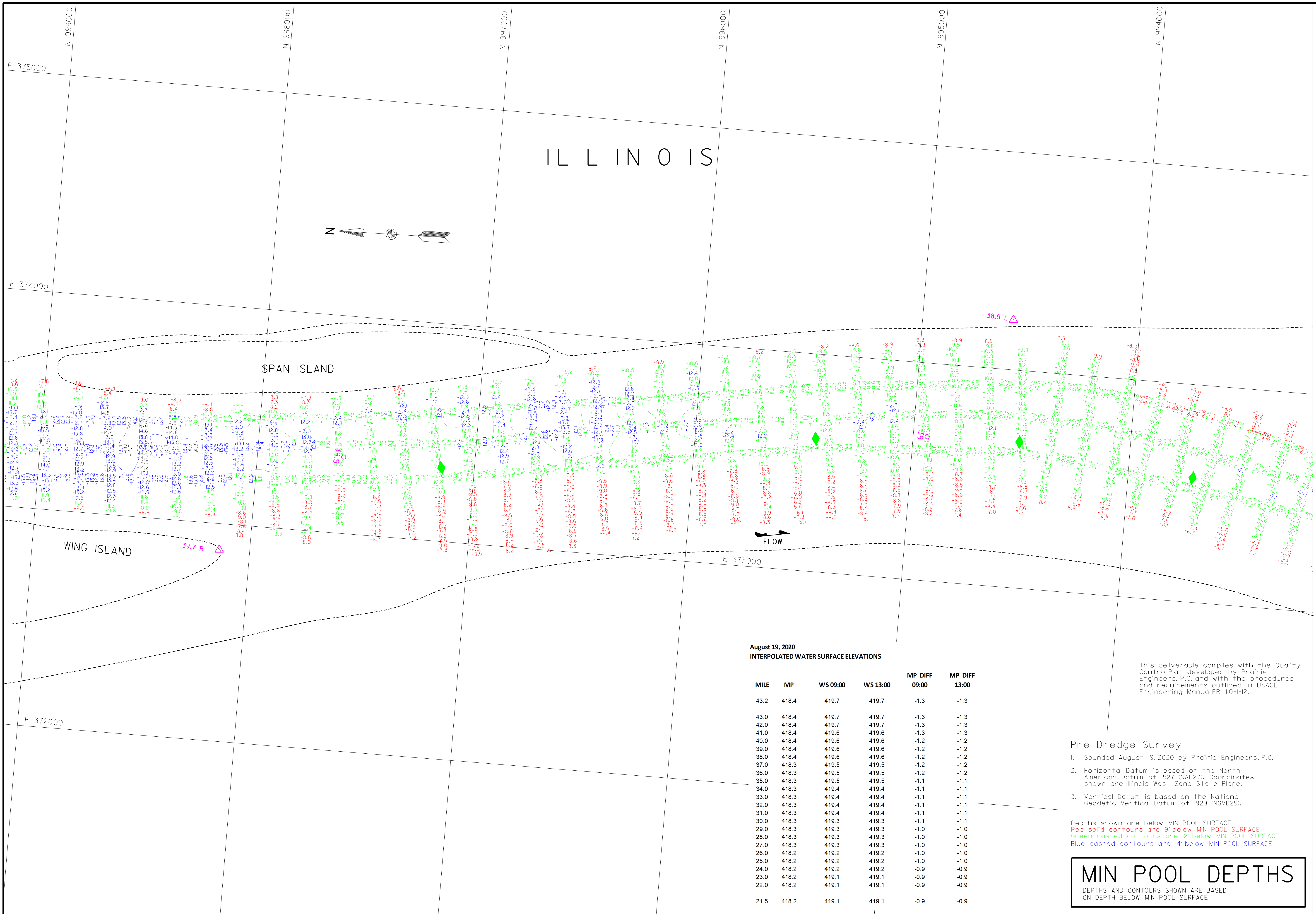


PLATE NUMBER
 01



CAGE RECORD

ZERO N.G.V.D.	PEARL	HARDIN
MILE	400.0	400.0
MIN POOL	43.2	21.5
DATE	48.4	48.2
	19 AUG 2020	48.1 (09/00)
		48.1 (03/00)
		48.1 (03/00)

ELEVATIONS ARE REFERRED TO NAD83 - CONTOURS ARE BELOW MIN POOL SURFACE

Survey Date: August 19, 2020

Submitted: [Signature]

Chief, Engr. Data, Mgmt. Sect.

File Name: 03BHD0.mxd

Plot Date: 8/27/2020

Plot Scale: 1" = 200'

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

ILLINOIS RIVER BASIN
ILLINOIS RIVER

Surveyed by: PRAIRIE ENGINEERS

Drawn by: [Signature]

Reviewed by: [Signature]

APPROVED: [Signature]

Chief, Geospatial Branch

August 19, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 13:00	MP DIFF 09:00	MP DIFF 13:00
43.2	418.4	419.7	419.7	-1.3	-1.3
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28.0	418.3	419.3	419.3	-1.0	-1.0
27.0	418.3	419.3	419.3	-1.0	-1.0
26.0	418.2	419.2	419.2	-1.0	-1.0
25.0	418.2	419.2	419.2	-1.0	-1.0
24.0	418.2	419.2	419.2	-0.9	-0.9
23.0	418.2	419.1	419.1	-0.9	-0.9
22.0	418.2	419.1	419.1	-0.9	-0.9
21.5	418.2	419.1	419.1	-0.9	-0.9

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 110-I-12.

Pre Dredge Survey

- Sounded August 19, 2020 by Prairie Engineers, P.C.
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MIN POOL DEPTHS

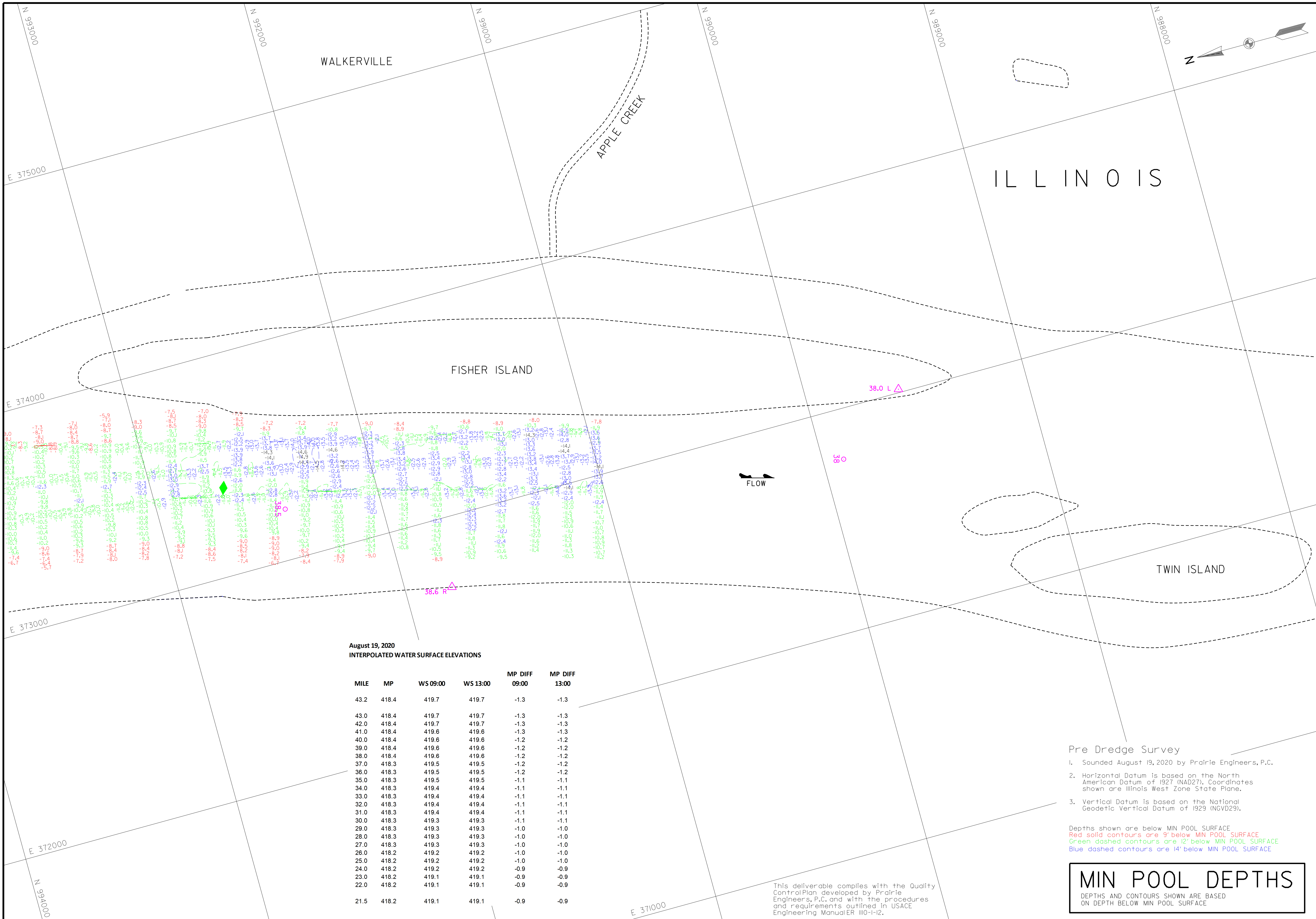
DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

60 METERS
200 FEET
400 FEET

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

PRE DREDGE SURVEY
RIVER MILES 40.5 - 38.5

PLATE NUMBER
02



August 19, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 13:00	MP DIFF 09:00	MP DIFF 13:00
43.2	418.4	419.7	419.7	-1.3	-1.3
43.0	418.4	419.7	419.7	-1.3	-1.3
42.0	418.4	419.7	419.7	-1.3	-1.3
41.0	418.4	419.6	419.6	-1.3	-1.3
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31.0	418.3	419.4	419.4	-1.1	-1.1
30.0	418.3	419.3	419.3	-1.1	-1.1
29.0	418.3	419.3	419.3	-1.0	-1.0
28.0	418.3	419.3	419.3	-1.0	-1.0
27.0	418.3	419.3	419.3	-1.0	-1.0
26.0	418.2	419.2	419.2	-1.0	-1.0
25.0	418.2	419.2	419.2	-1.0	-1.0
24.0	418.2	419.2	419.2	-0.9	-0.9
23.0	418.2	419.1	419.1	-0.9	-0.9
22.0	418.2	419.1	419.1	-0.9	-0.9
21.5	418.2	419.1	419.1	-0.9	-0.9

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MIN POOL DEPTHS
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CASE RECORD	
PEARL	400.0
MIN POOL	418.4
DATE	19 AUG 2020
FILE NAME	08H020.mxd
DATE	8/27/2020
SCALE	1" = 200'

Survey Date: August 19, 2020
 SUBMITTED: Chief, Eng. Data, Mgmt. Sect.
 File Name: 08H020.mxd
 Plot Date: 8/27/2020
 Plot Scale: 1" = 200'

Surveyed by: PRAIRIE ENGINEERS
 Drawn by: PCE
 Reviewed by: Chief, Geospatial Branch
 APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
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 ILLINOIS RIVER BASIN
 ILLINOIS RIVER

PRE DREDGE SURVEY
 RIVER MILES 40.5 - 38.5

PLATE NUMBER
 03