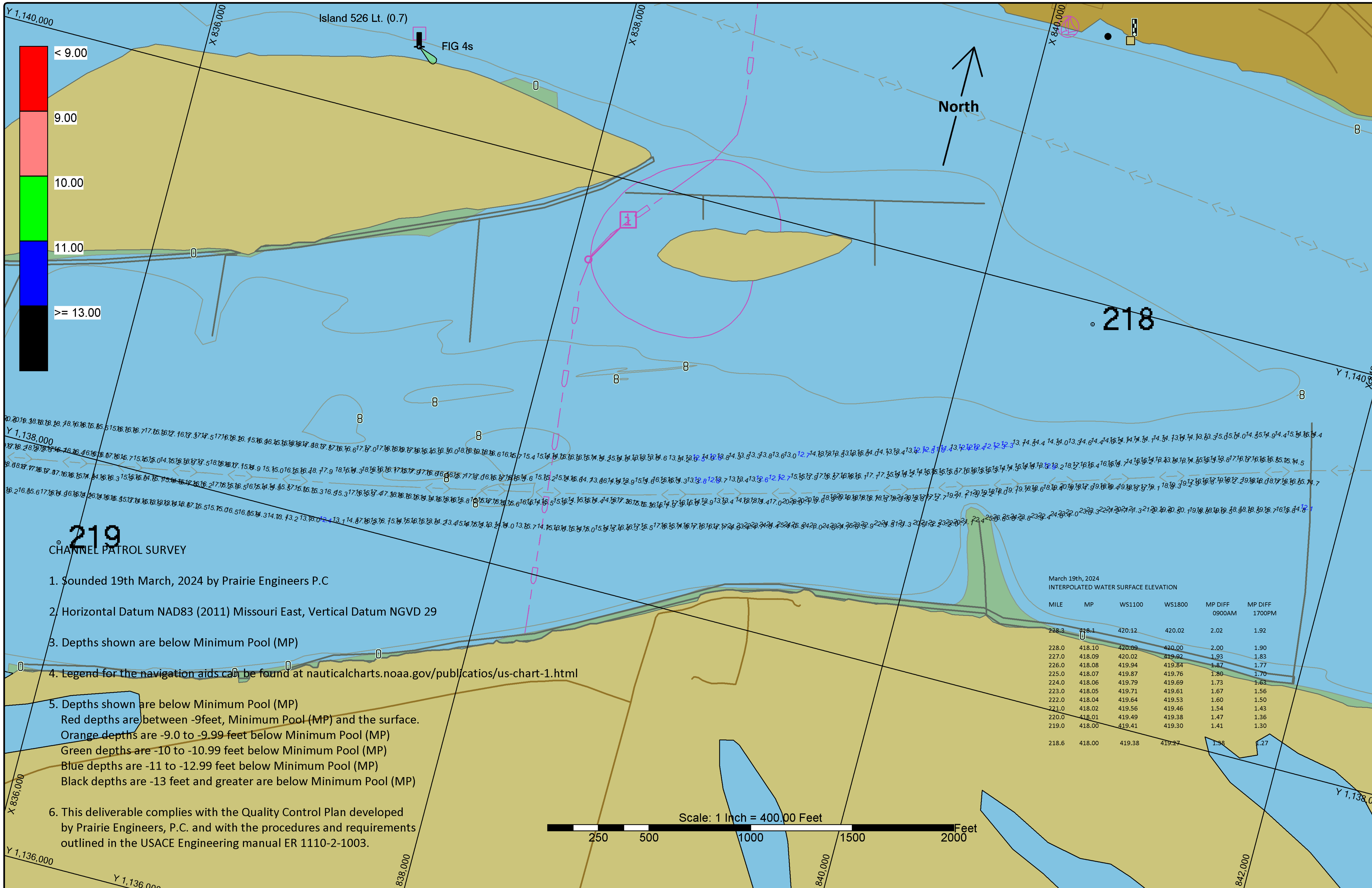


CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C
2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29
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 below Minimum Pool (MP)
   Red depths are between -9feet, Minimum Pool (MP) and the surface.
   Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
   Green depths are -10 to -10.99 feet below Minimum Pool (MP)
   Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
   Black depths are -13 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.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
228.3	418.1	420.12	420.02	2.02	1.92
228.0	418.10	420.09	420.00	2.00	1.90
227.0	418.09	420.02	419.92	1.93	1.83
226.0	418.08	419.94	419.84	1.87	1.77
225.0	418.07	419.87	419.76	1.80	1.70
224.0	418.06	419.79	419.69	1.73	1.63
223.0	418.05	419.71	419.61	1.67	1.56
222.0	418.04	419.64	419.53	1.60	1.50
221.0	418.02	419.56	419.46	1.54	1.43
220.0	418.01	419.49	419.38	1.47	1.36
219.0	418.00	419.41	419.30	1.41	1.30
218.6	418.00	419.38	419.27	1.38	1.27

ST.LOUIS

Gage Records 19th March 2024
Grafton gage @ 0900AM = 15.59ft; @ 1700PM = 15.48ft
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

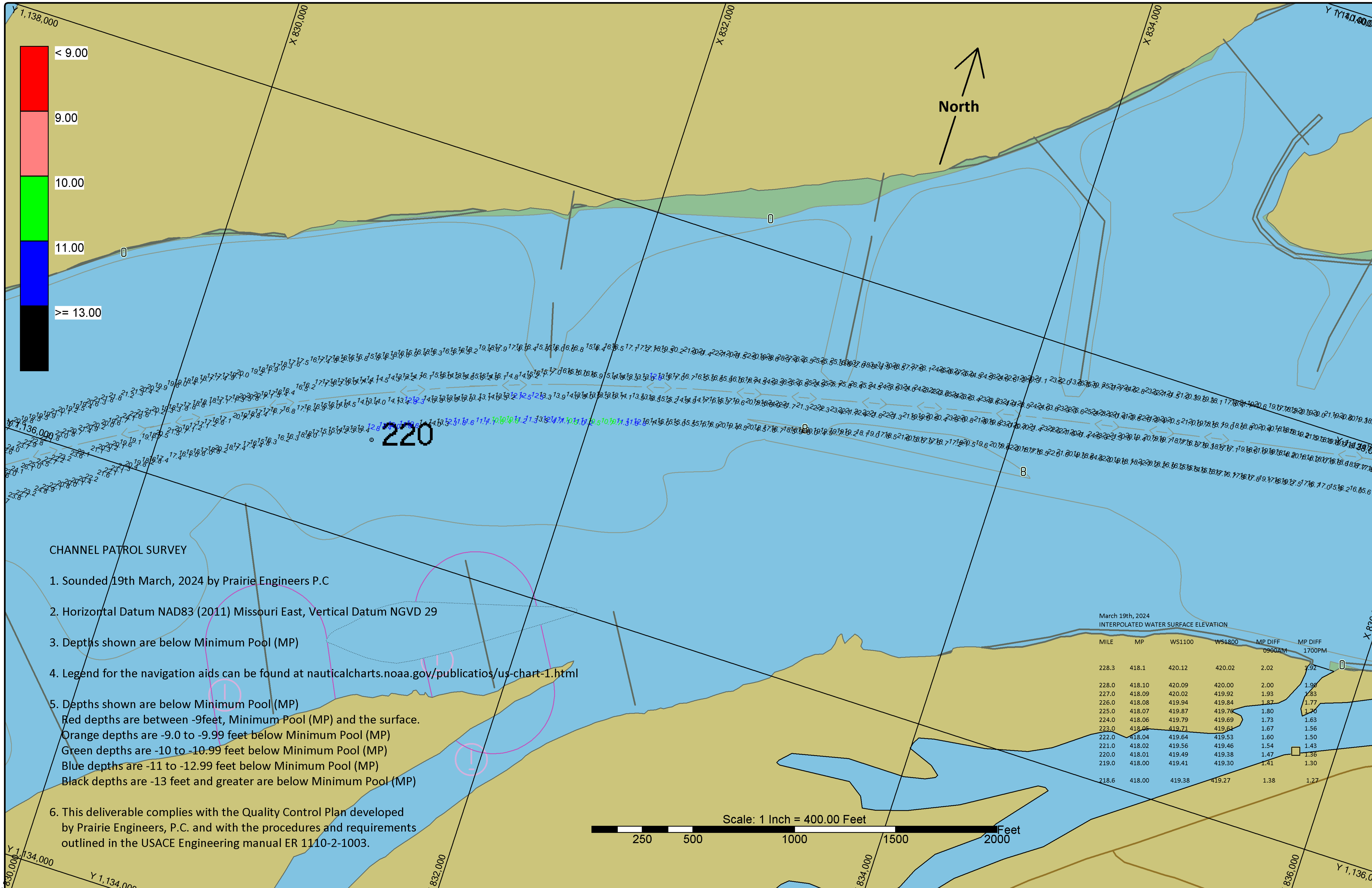
FIELD BOOKS:

Approved: Abednego Nkem — FIELD CARTOGRAPHER
Approved: Tom Frerichs — CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer — ASST. CHIEF OF SURVEY
Approved: Tristan Harper — CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0



CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C

2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29

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 below Minimum Pool (MP)
Red depths are between -9feet, Minimum Pool (MP) and the surface.
Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
Green depths are -10 to -10.99 feet below Minimum Pool (MP)
Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
Black depths are -13 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.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
228.3	418.1	420.12	420.02	2.02	1.92
228.0	418.10	420.09	420.00	2.00	1.90
227.0	418.09	420.02	419.92	1.93	1.83
226.0	418.08	419.94	419.84	1.87	1.77
225.0	418.07	419.87	419.76	1.80	1.70
224.0	418.06	419.79	419.69	1.73	1.63
223.0	418.05	419.71	419.61	1.67	1.56
222.0	418.04	419.64	419.53	1.60	1.50
221.0	418.02	419.56	419.46	1.54	1.43
220.0	418.01	419.49	419.38	1.47	1.36
219.0	418.00	419.41	419.30	1.41	1.30
218.6	418.00	419.38	419.27	1.38	1.27

ST.LOUIS

Gage Records 19th March 2024
Grafton gage @ 0900AM = 15.59ft; @ 1700PM = 15.48ft
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

FIELD BOOKS:

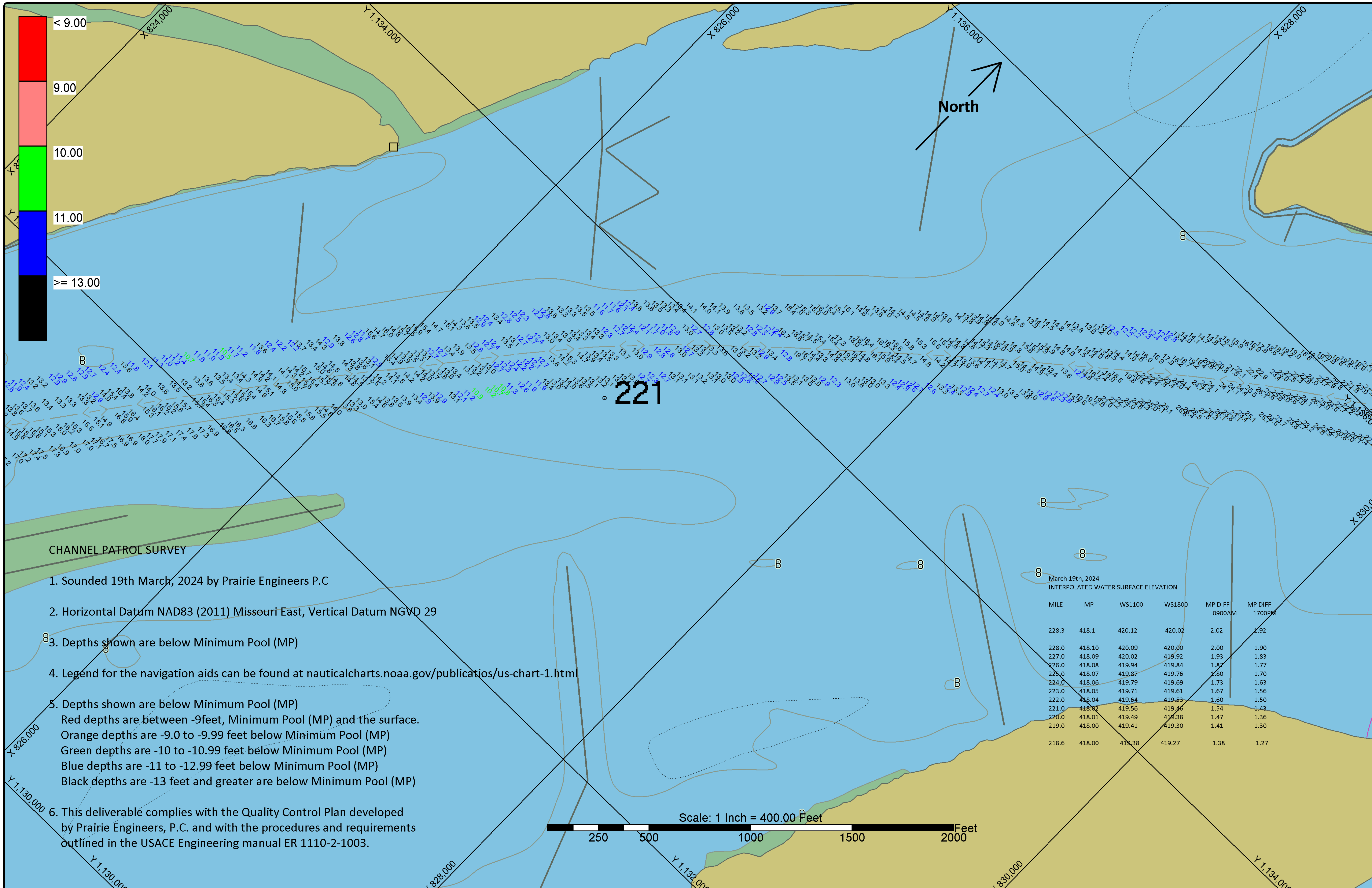
Approved: Abednego Nkem
FIELD CARTOGRAPHER
Approved: Tom Frerichs
CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer
ASST. CHIEF OF SURVEY
Approved: Tristan Harper
CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0

SHEET 021



CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C

2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29

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 below Minimum Pool (MP)
Red depths are between -9feet, Minimum Pool (MP) and the surface.
Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
Green depths are -10 to -10.99 feet below Minimum Pool (MP)
Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
Black depths are -13 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.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
228.3	418.1	420.12	420.02	2.02	1.92
228.0	418.10	420.09	420.00	2.00	1.90
227.0	418.09	420.02	419.92	1.93	1.83
226.0	418.08	419.94	419.84	1.87	1.77
225.0	418.07	419.87	419.76	1.80	1.70
224.0	418.06	419.79	419.69	1.73	1.63
223.0	418.05	419.71	419.61	1.67	1.56
222.0	418.04	419.64	419.53	1.60	1.50
221.0	418.02	419.56	419.46	1.54	1.43
220.0	418.01	419.49	419.38	1.47	1.36
219.0	418.00	419.41	419.30	1.41	1.30
218.6	418.00	419.38	419.27	1.38	1.27

ST.LOUIS

Gage Records 19th March 2024
Grafton gage @ 0900AM = 15.59ft; @ 1700PM = 15.48ft
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

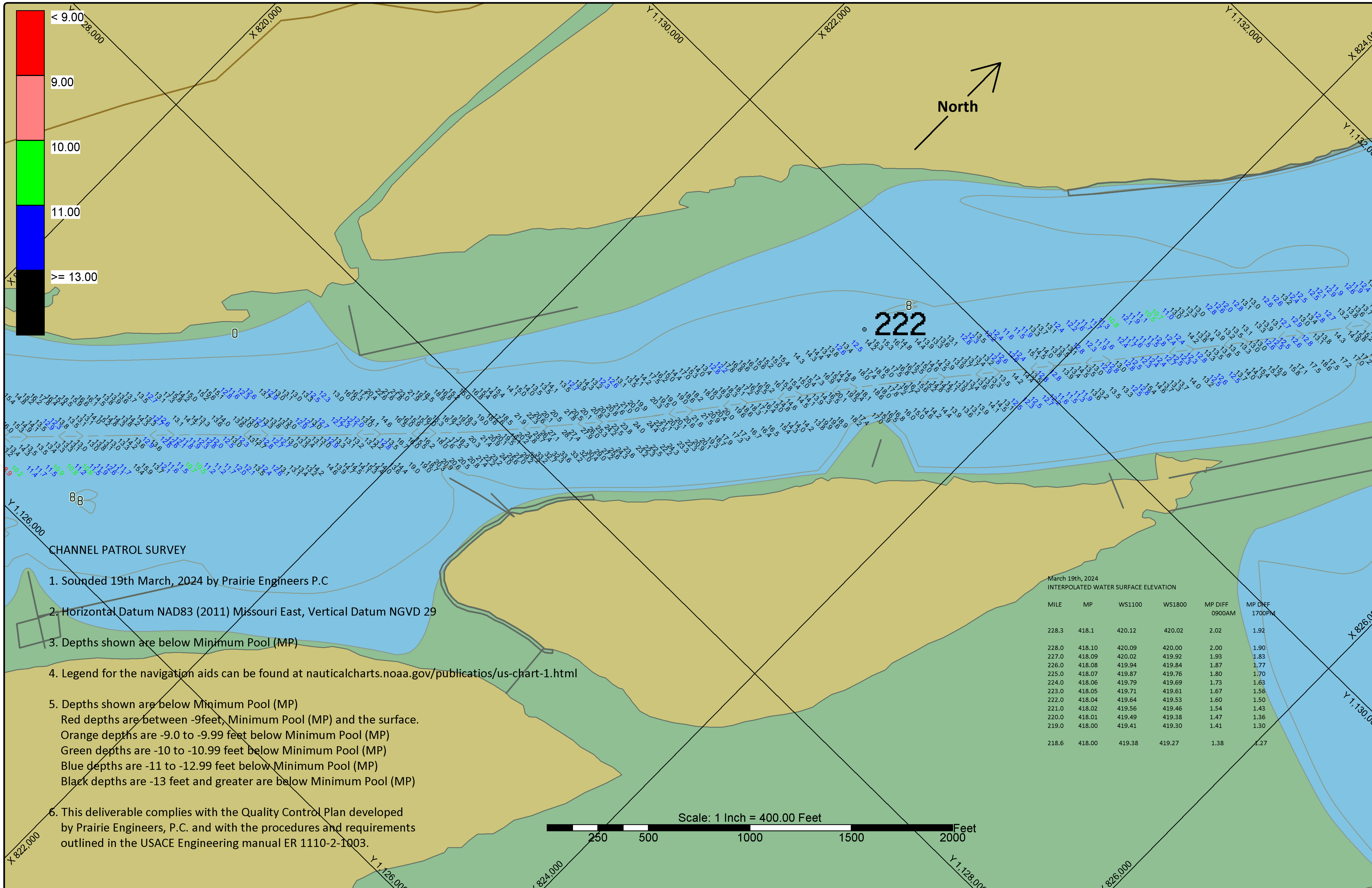
FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER
Approved: Tom Frerichs
CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer
ASST. CHIEF OF SURVEY
Approved: Tristan Harper
CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0



CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C

2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29

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 below Minimum Pool (MP)
Red depths are between -9feet, Minimum Pool (MP) and the surface.
Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
Green depths are -10 to -10.99 feet below Minimum Pool (MP)
Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
Black depths are -13 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.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
228.3	418.1	420.12	420.02	2.02	1.92
228.0	418.10	420.09	420.00	2.00	1.90
227.0	418.09	420.02	419.92	1.93	1.83
226.0	418.08	419.94	419.84	1.87	1.77
225.0	418.07	419.87	419.76	1.80	1.70
224.0	418.06	419.79	419.69	1.73	1.63
223.0	418.05	419.71	419.61	1.67	1.56
222.0	418.04	419.64	419.53	1.60	1.50
221.0	418.02	419.56	419.46	1.54	1.43
220.0	418.01	419.49	419.38	1.47	1.36
219.0	418.00	419.41	419.30	1.41	1.30
218.6	418.00	419.38	419.27	1.38	1.27

ST.LOUIS

Gage Records 19th March 2024
Grafton gage @ 0900AM = 15.59ft; @ 1700PM = 15.48ft
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

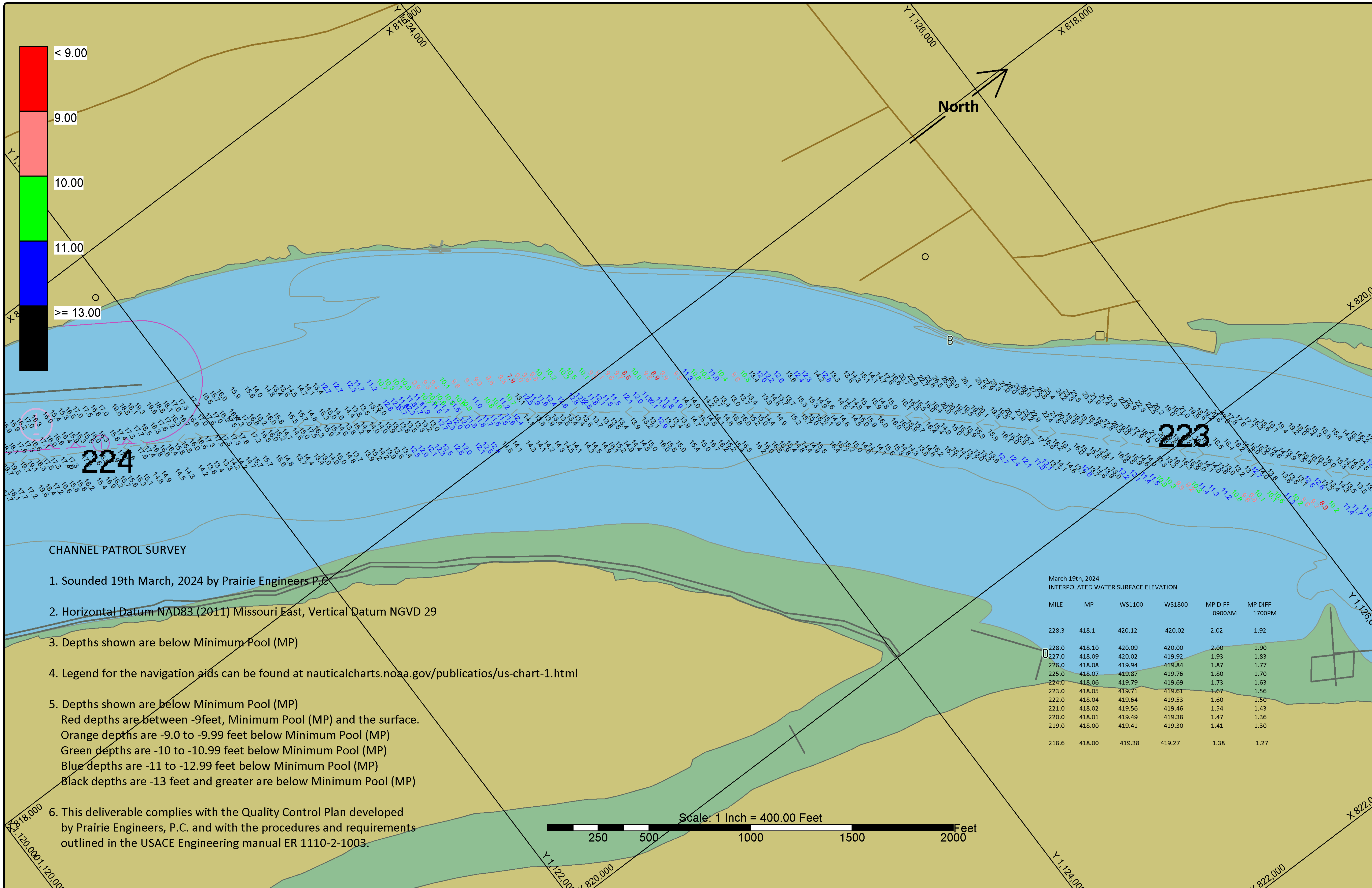
FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER
Approved: Tom Frerichs
CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer
ASST. CHIEF OF SURVEY
Approved: Tristan Harper
CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0



CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C

2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29

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 below Minimum Pool (MP)
   Red depths are between -9feet, Minimum Pool (MP) and the surface.
   Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
   Green depths are -10 to -10.99 feet below Minimum Pool (MP)
   Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
   Black depths are -13 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.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
228.3	418.1	420.12	420.02	2.02	1.92
228.0	418.10	420.09	420.00	2.00	1.90
227.0	418.09	420.02	419.92	1.93	1.83
226.0	418.08	419.94	419.84	1.87	1.77
225.0	418.07	419.87	419.76	1.80	1.70
224.0	418.06	419.79	419.69	1.73	1.63
223.0	418.05	419.71	419.61	1.67	1.56
222.0	418.04	419.64	419.53	1.60	1.50
221.0	418.02	419.56	419.46	1.54	1.43
220.0	418.01	419.49	419.38	1.47	1.36
219.0	418.00	419.41	419.30	1.41	1.30
218.6	418.00	419.38	419.27	1.38	1.27

ST.LOUIS

Gage Records 19th March 2024
Grafton gage @ 0900AM = 15.59ft; @ 1700PM = 15.48ft
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

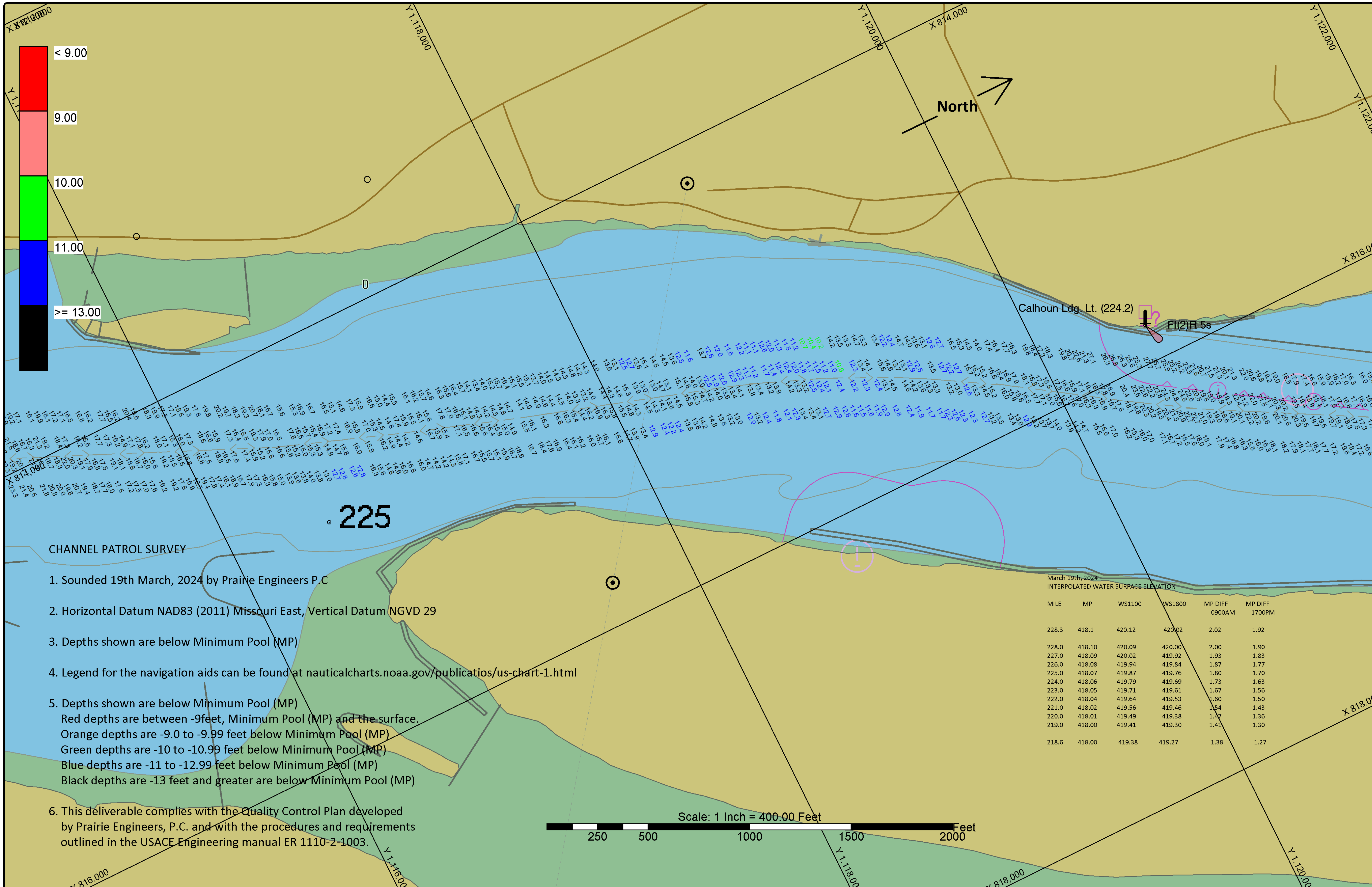
FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER
Approved: Tom Frerichs
CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer
ASST. CHIEF OF SURVEY
Approved: Tristan Harper
CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0



CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C

2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29

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 below Minimum Pool (MP)
   Red depths are between -9feet, Minimum Pool (MP) and the surface.
   Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
   Green depths are -10 to -10.99 feet below Minimum Pool (MP)
   Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
   Black depths are -13 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.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
228.3	418.1	420.12	420.02	2.02	1.92
228.0	418.10	420.09	420.00	2.00	1.90
227.0	418.09	420.02	419.92	1.93	1.83
226.0	418.08	419.94	419.84	1.87	1.77
225.0	418.07	419.87	419.76	1.80	1.70
224.0	418.06	419.79	419.69	1.73	1.63
223.0	418.05	419.71	419.61	1.67	1.56
222.0	418.04	419.64	419.53	1.60	1.50
221.0	418.02	419.56	419.46	1.54	1.43
220.0	418.01	419.49	419.38	1.47	1.36
219.0	418.00	419.41	419.30	1.41	1.30
218.6	418.00	419.38	419.27	1.38	1.27

ST.LOUIS

Gage Records 19th March 2024

Grafton gage @ 0900AM = 15.59ft; @ 1700PM = 15.48ft
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

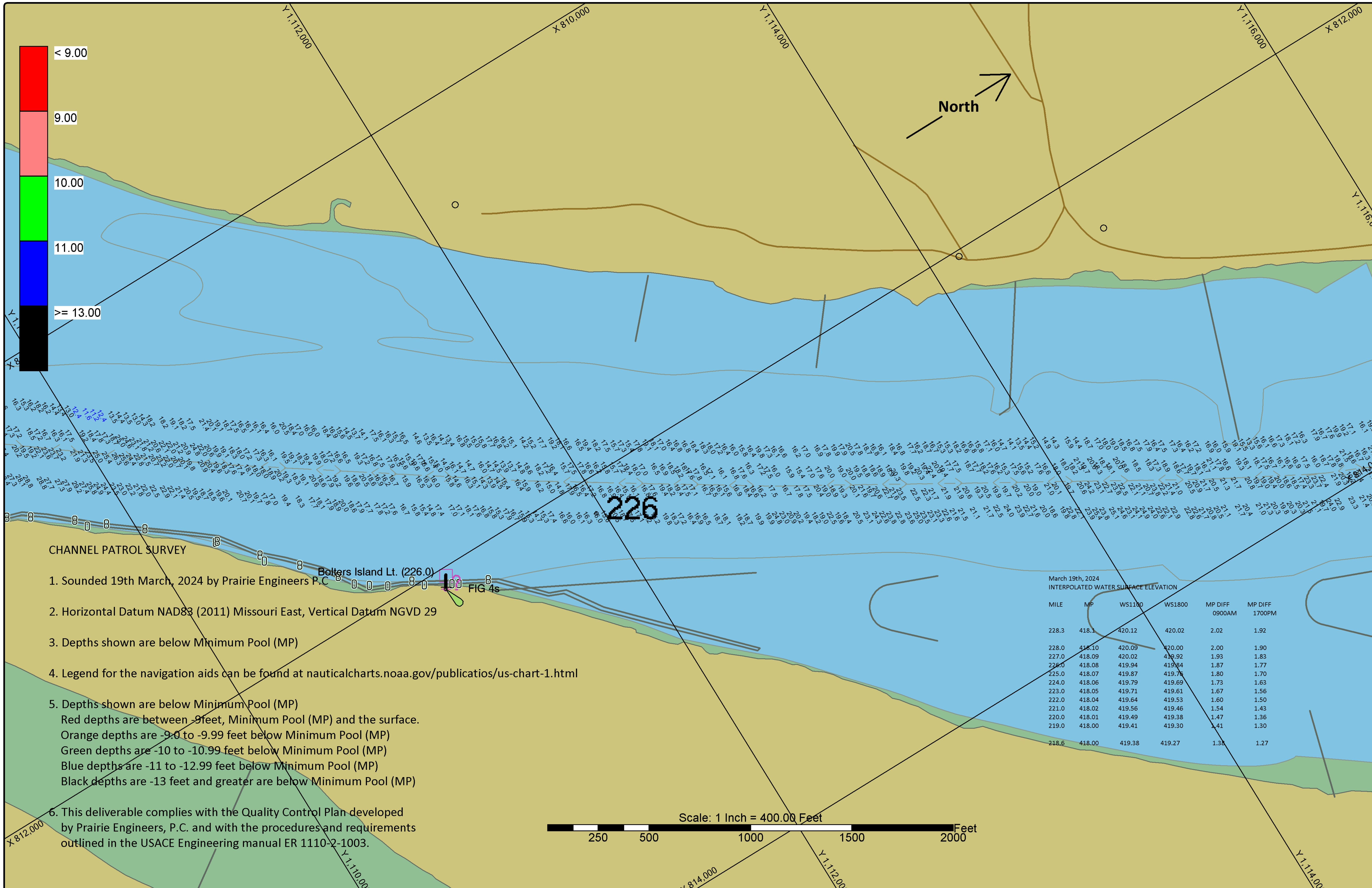
FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER
Approved: Tom Frerichs
CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer
ASST. CHIEF OF SURVEY
Approved: Tristan Harper
CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0



CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C

2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29

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 below Minimum Pool (MP)
   Red depths are between -9feet, Minimum Pool (MP) and the surface.
   Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
   Green depths are -10 to -10.99 feet below Minimum Pool (MP)
   Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
   Black depths are -13 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.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
228.3	418.1	420.12	420.02	2.02	1.92
228.0	418.10	420.09	420.00	2.00	1.90
227.0	418.09	420.02	419.92	1.93	1.83
226.0	418.08	419.94	419.84	1.87	1.77
225.0	418.07	419.87	419.76	1.80	1.70
224.0	418.06	419.79	419.69	1.73	1.63
223.0	418.05	419.71	419.61	1.67	1.56
222.0	418.04	419.64	419.53	1.60	1.50
221.0	418.02	419.56	419.46	1.54	1.43
220.0	418.01	419.49	419.38	1.47	1.36
219.0	418.00	419.41	419.30	1.41	1.30
218.6	418.00	419.38	419.27	1.38	1.27

ST.LOUIS

Gage Records 19th March 2024
Grafton gage @ 0900AM = 15.59ft; @ 1700PM = 15.48ft
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

FIELD BOOKS:

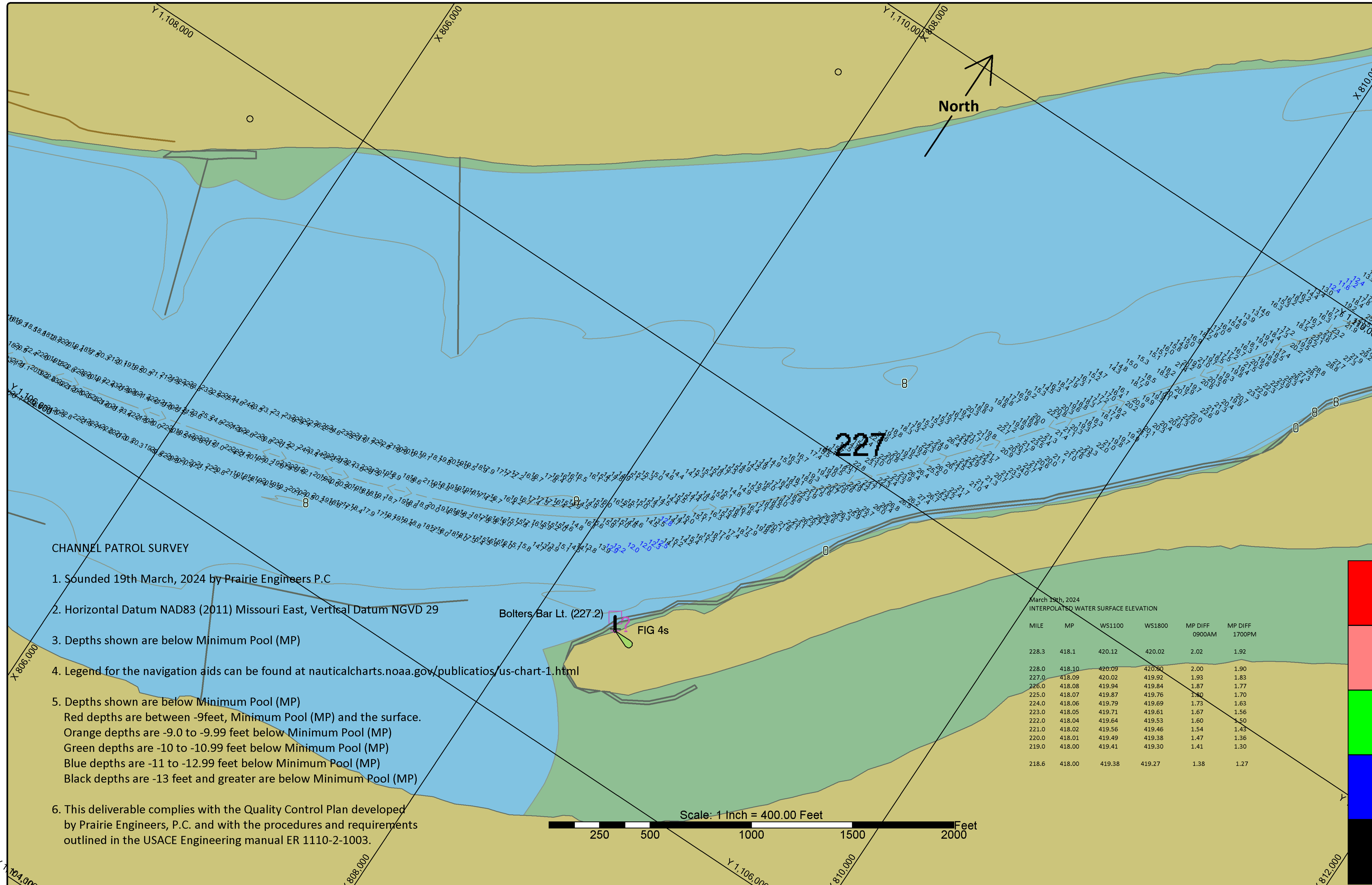
Approved: Abednego Nkem, FIELD CARTOGRAPHER
Approved: Tom Frerichs, CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer, ASST. CHIEF OF SURVEY
Approved: Tristan Harper, CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0

SHEET 026



CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C
2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29
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 below Minimum Pool (MP) and the surface.
   Red depths are between -9feet, Minimum Pool (MP) and the surface.
   Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
   Green depths are -10 to -10.99 feet below Minimum Pool (MP)
   Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
   Black depths are -13 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.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
228.3	418.1	420.12	420.02	2.02	1.92
228.0	418.10	420.09	420.00	2.00	1.90
227.0	418.09	420.02	419.92	1.93	1.83
226.0	418.08	419.94	419.84	1.87	1.77
225.0	418.07	419.87	419.76	1.80	1.70
224.0	418.06	419.79	419.69	1.73	1.63
223.0	418.05	419.71	419.61	1.67	1.56
222.0	418.04	419.64	419.53	1.60	1.50
221.0	418.02	419.56	419.46	1.54	1.43
220.0	418.01	419.49	419.38	1.47	1.36
219.0	418.00	419.41	419.30	1.41	1.30
218.6	418.00	419.38	419.27	1.38	1.27

ST.LOUIS

Gage Records 19th March 2024
Grafton gage @ 0900AM = 15.59ft; @ 1700PM = 15.48ft
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

FIELD BOOKS:

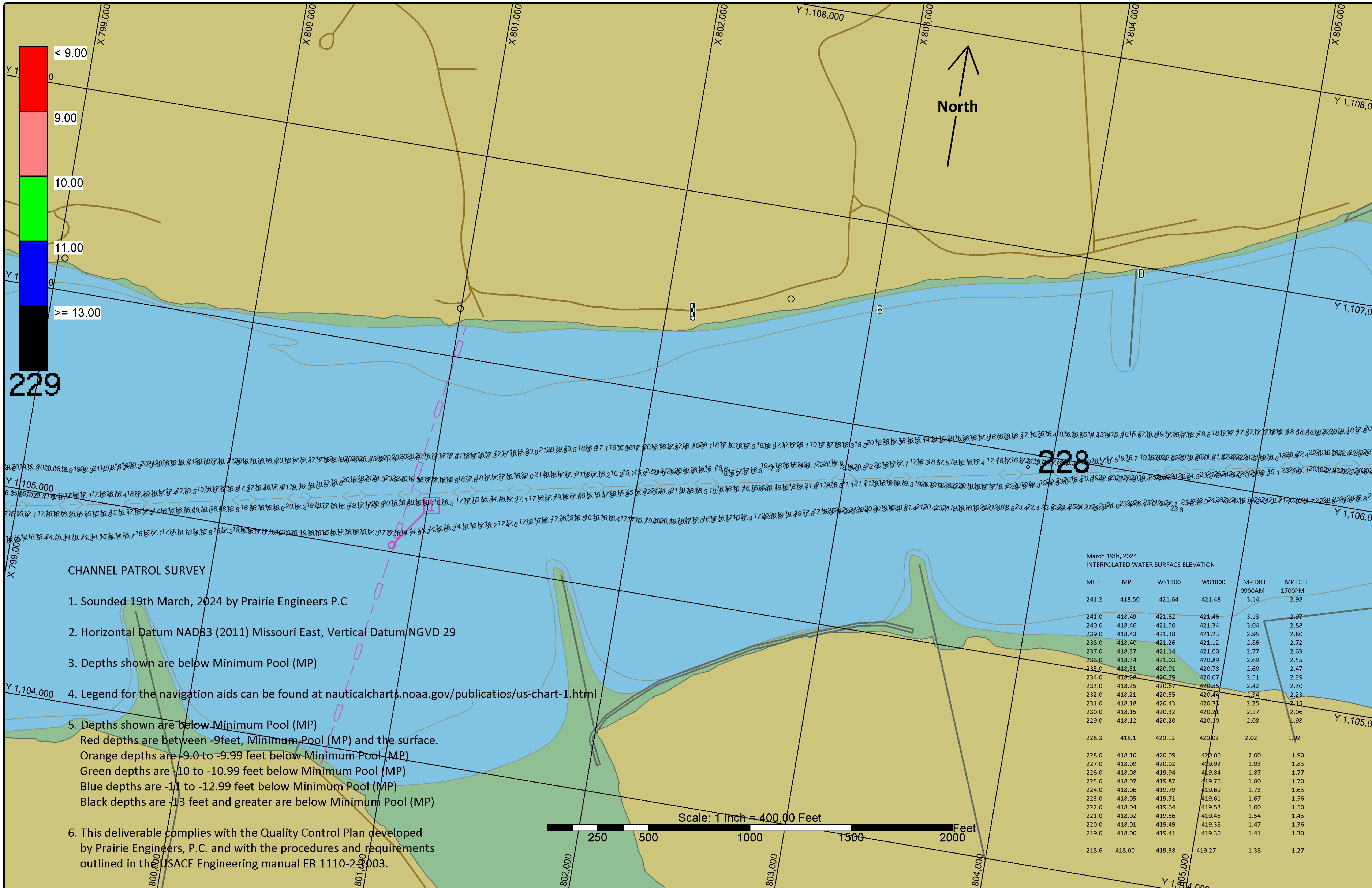
proved: Abednego Nkem FIELD CARTOGRAPHER
proved: Tom Frerichs CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer ASST. CHIEF OF SURVEY
Approved: Tristan Harper CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CO OF ENGINEERS
ST. L DISTRICT
ST. LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL P. ROL SURVE
F UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0

SHEET 027



CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C
2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29
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 below Minimum Pool (MP)
   Red depths are between -9feet, Minimum Pool (MP) and the surface.
   Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
   Green depths are -10 to -10.99 feet below Minimum Pool (MP)
   Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
   Black depths are -13 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 1110-2-8003.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
241.2	418.50	421.64	421.48	3.14	2.98
241.0	418.49	421.62	421.46	3.13	2.97
240.0	418.46	421.50	421.34	3.04	2.88
239.0	418.43	421.38	421.23	2.95	2.80
238.0	418.40	421.26	421.12	2.86	2.72
237.0	418.37	421.14	421.00	2.77	2.63
236.0	418.34	421.03	420.89	2.69	2.55
235.0	418.31	420.91	420.78	2.60	2.47
234.0	418.28	420.79	420.67	2.51	2.39
233.0	418.25	420.67	420.55	2.42	2.30
232.0	418.21	420.55	420.44	2.34	2.23
231.0	418.18	420.43	420.33	2.25	2.15
230.0	418.15	420.32	420.21	2.17	2.06
229.0	418.12	420.20	420.10	2.08	1.98
228.3	418.1	420.12	420.02	2.02	1.92
228.0	418.10	420.09	420.00	2.00	1.90
227.0	418.09	420.02	419.92	1.93	1.83
226.0	418.08	419.94	419.84	1.87	1.77
225.0	418.07	419.87	419.76	1.80	1.70
224.0	418.06	419.79	419.69	1.73	1.63
223.0	418.05	419.71	419.61	1.67	1.56
222.0	418.04	419.64	419.53	1.60	1.50
221.0	418.02	419.56	419.46	1.54	1.43
220.0	418.01	419.49	419.38	1.47	1.36
219.0	418.00	419.41	419.30	1.41	1.30
218.6	418.00	419.38	419.27	1.38	1.27

ST.LOUIS

Gage Records 19th March 2024
Grafton gage @ 0900AM = 15.59ft; @ 1700PM = 15.48ft
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft
LD25 (L) @ 0900AM = 14.64ft; @ 1700PM = 14.48ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

FIELD BOOKS:

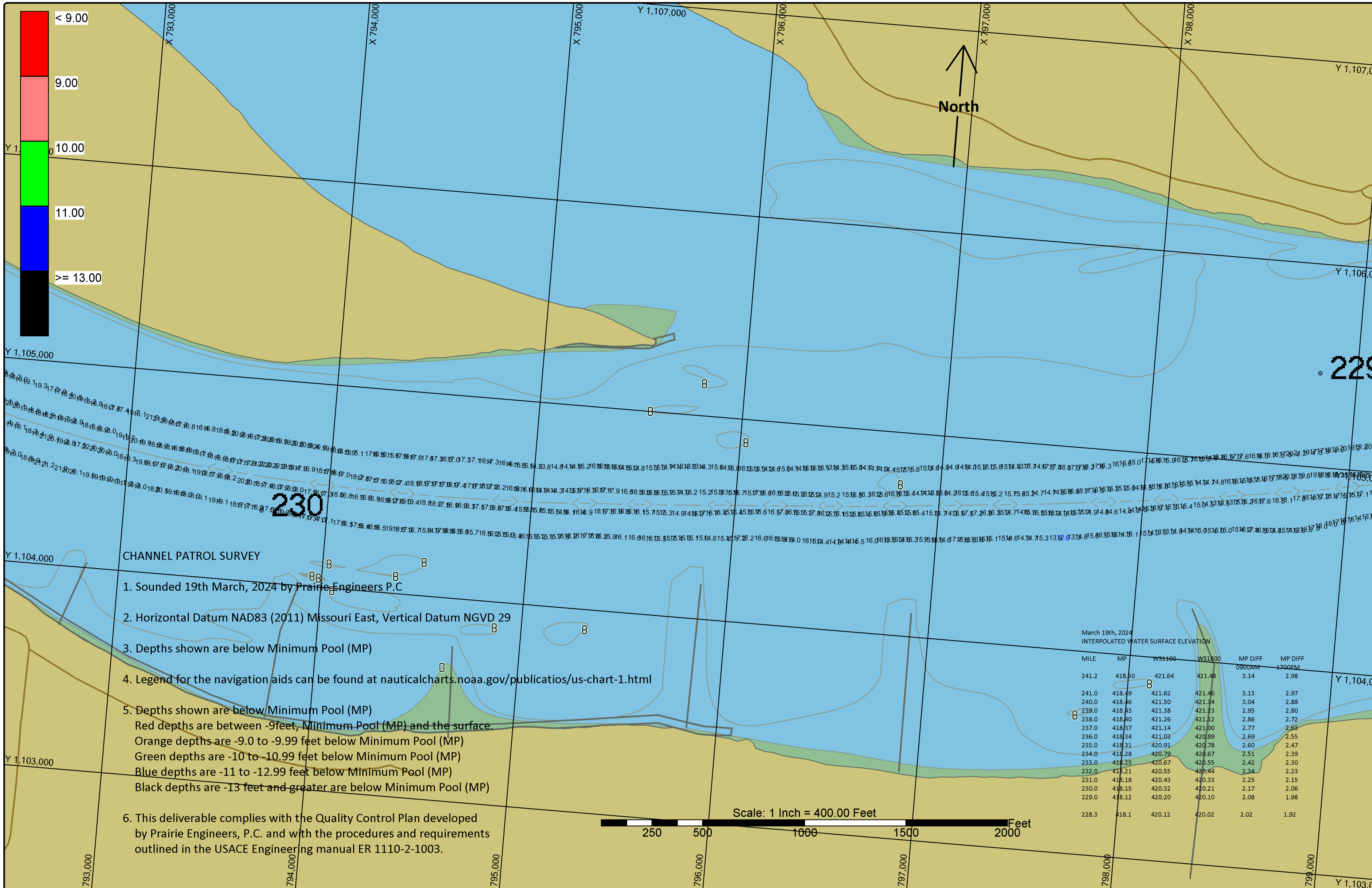
Approved: Abednego Nkem
FIELD CARTOGRAPHER
Approved: Tom Frerichs
CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer
ASST. CHIEF OF SURVEY
Approved: Tristan Harper
CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0

SHEET 028



CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C
2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29
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 below Minimum Pool (MP)
   Red depths are between -9feet, Minimum Pool (MP) and the surface.
   Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
   Green depths are -10 to -10.99 feet below Minimum Pool (MP)
   Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
   Black depths are -13 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.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
241.2	418.50	421.64	421.48	3.14	2.98
241.0	418.49	421.62	421.46	3.13	2.97
240.0	418.46	421.50	421.34	3.04	2.88
239.0	418.43	421.38	421.23	2.95	2.80
238.0	418.40	421.26	421.12	2.86	2.72
237.0	418.37	421.14	421.00	2.77	2.63
236.0	418.34	421.03	420.89	2.69	2.55
235.0	418.31	420.91	420.78	2.60	2.47
234.0	418.28	420.79	420.67	2.51	2.39
233.0	418.25	420.67	420.55	2.42	2.30
232.0	418.21	420.55	420.44	2.34	2.23
231.0	418.18	420.43	420.33	2.25	2.15
230.0	418.15	420.32	420.21	2.17	2.06
229.0	418.12	420.20	420.10	2.08	1.98
228.3	418.1	420.12	420.02	2.02	1.92

ST.LOUIS

Gage Records 19th March 2024
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft
LD25 (L) @ 0900AM = 14.64ft; @ 1700PM = 14.48ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

FIELD BOOKS:

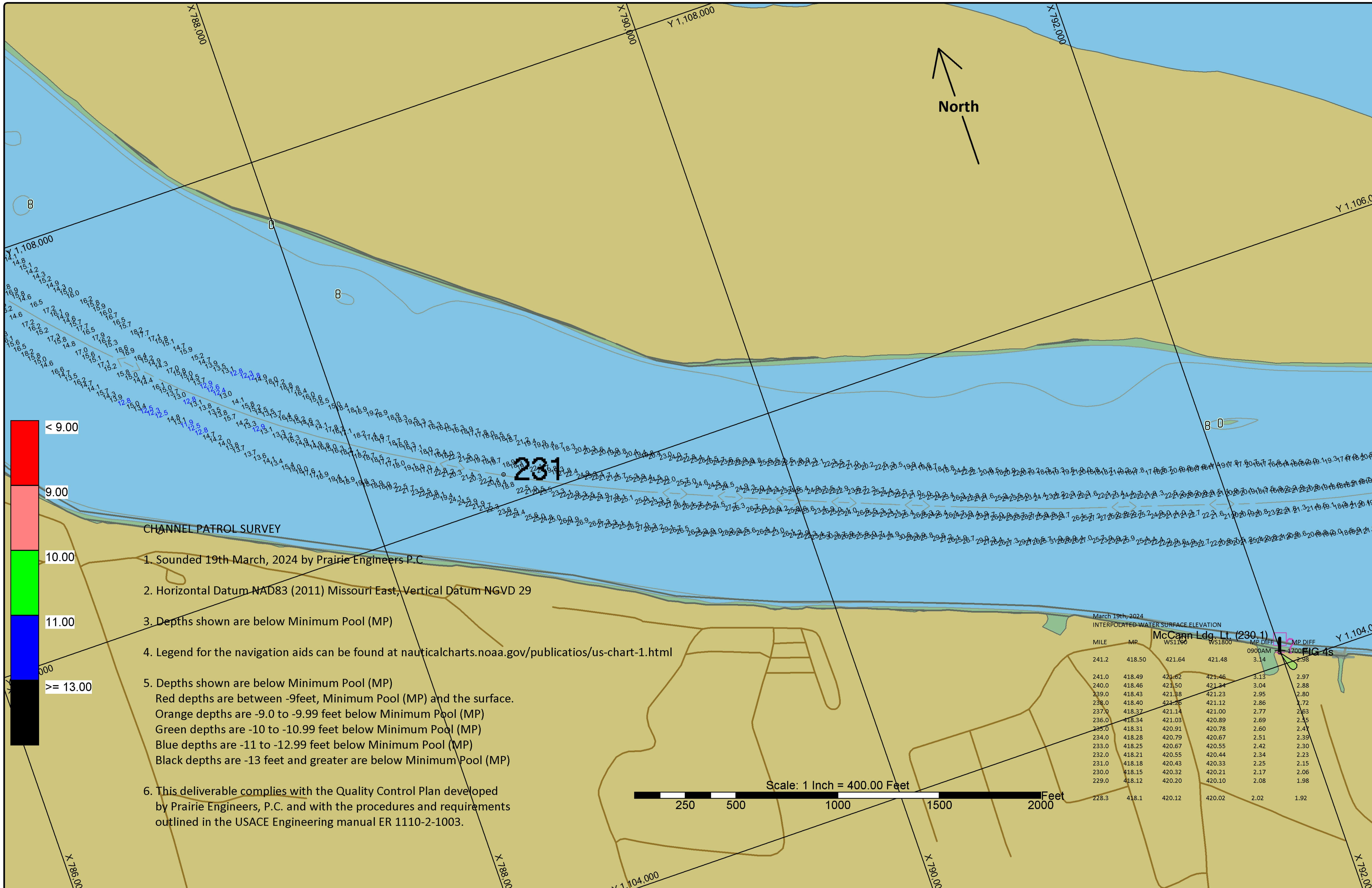
Approved: Abednego Nkem — FIELD CARTOGRAPHER
Approved: Tom Frerichs — CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer — ASST. CHIEF OF SURVEY
Approved: Tristan Harper — CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0

SHEET 029



CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C

2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29

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 below Minimum Pool (MP)
   Red depths are between -9feet, Minimum Pool (MP) and the surface.
   Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
   Green depths are -10 to -10.99 feet below Minimum Pool (MP)
   Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
   Black depths are -13 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.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
241.2	418.50	421.64	421.48	3.14	2.98
241.0	418.49	421.62	421.46	3.13	2.97
240.0	418.46	421.50	421.34	3.04	2.88
239.0	418.43	421.38	421.23	2.95	2.80
238.0	418.40	421.26	421.12	2.86	2.72
237.0	418.37	421.14	421.00	2.77	2.63
236.0	418.34	421.03	420.89	2.69	2.55
235.0	418.31	420.91	420.78	2.60	2.47
234.0	418.28	420.79	420.67	2.51	2.39
233.0	418.25	420.67	420.55	2.42	2.30
232.0	418.21	420.55	420.44	2.34	2.23
231.0	418.18	420.43	420.33	2.25	2.15
230.0	418.15	420.32	420.21	2.17	2.06
229.0	418.12	420.20	420.10	2.08	1.98
228.3	418.1	420.12	420.02	2.02	1.92

ST.LOUIS

Gage Records 19th March 2024
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft
LD25 (L) @ 0900AM = 14.64ft; @ 1700PM = 14.48ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER
Approved: Tom Frerichs
CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer
ASST. CHIEF OF SURVEY
Approved: Tristan Harper
CHIEF OF SURVEY
Date: APRIL 8th 2024

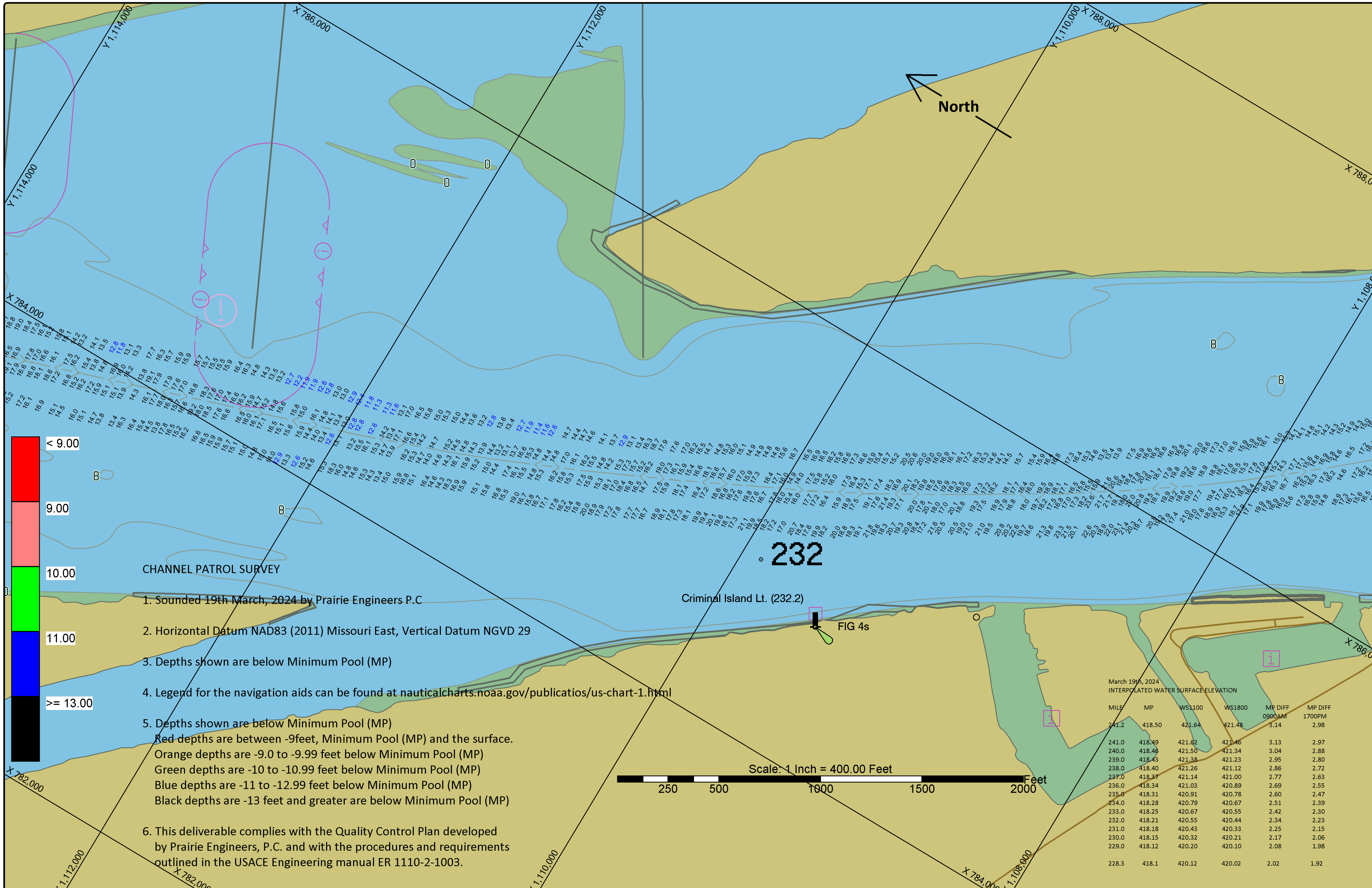
US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY OF UPPER MISSISSIPPI RIVER

RIVER MILE 195.0 - 300.0

SHEET 030



CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C
2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29
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 below Minimum Pool (MP)
   Red depths are between -9feet, Minimum Pool (MP) and the surface.
   Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
   Green depths are -10 to -10.99 feet below Minimum Pool (MP)
   Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
   Black depths are -13 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.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
241.2	418.50	421.64	421.48	3.14	2.98
241.0	418.49	421.62	421.46	3.13	2.97
240.0	418.46	421.50	421.34	3.04	2.88
239.0	418.43	421.38	421.23	2.95	2.80
238.0	418.40	421.26	421.12	2.86	2.72
237.0	418.37	421.14	421.00	2.77	2.63
236.0	418.34	421.03	420.89	2.69	2.55
235.0	418.31	420.91	420.78	2.60	2.47
234.0	418.28	420.79	420.67	2.51	2.39
233.0	418.25	420.67	420.55	2.42	2.30
232.0	418.21	420.55	420.44	2.34	2.23
231.0	418.18	420.43	420.33	2.25	2.15
230.0	418.15	420.32	420.21	2.17	2.06
229.0	418.12	420.20	420.10	2.08	1.98
228.3	418.1	420.12	420.02	2.02	1.92

ST.LOUIS

Gage Records 19th March 2024
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft
LD25 (L) @ 0900AM = 14.64ft; @ 1700PM = 14.48ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

FIELD BOOKS:

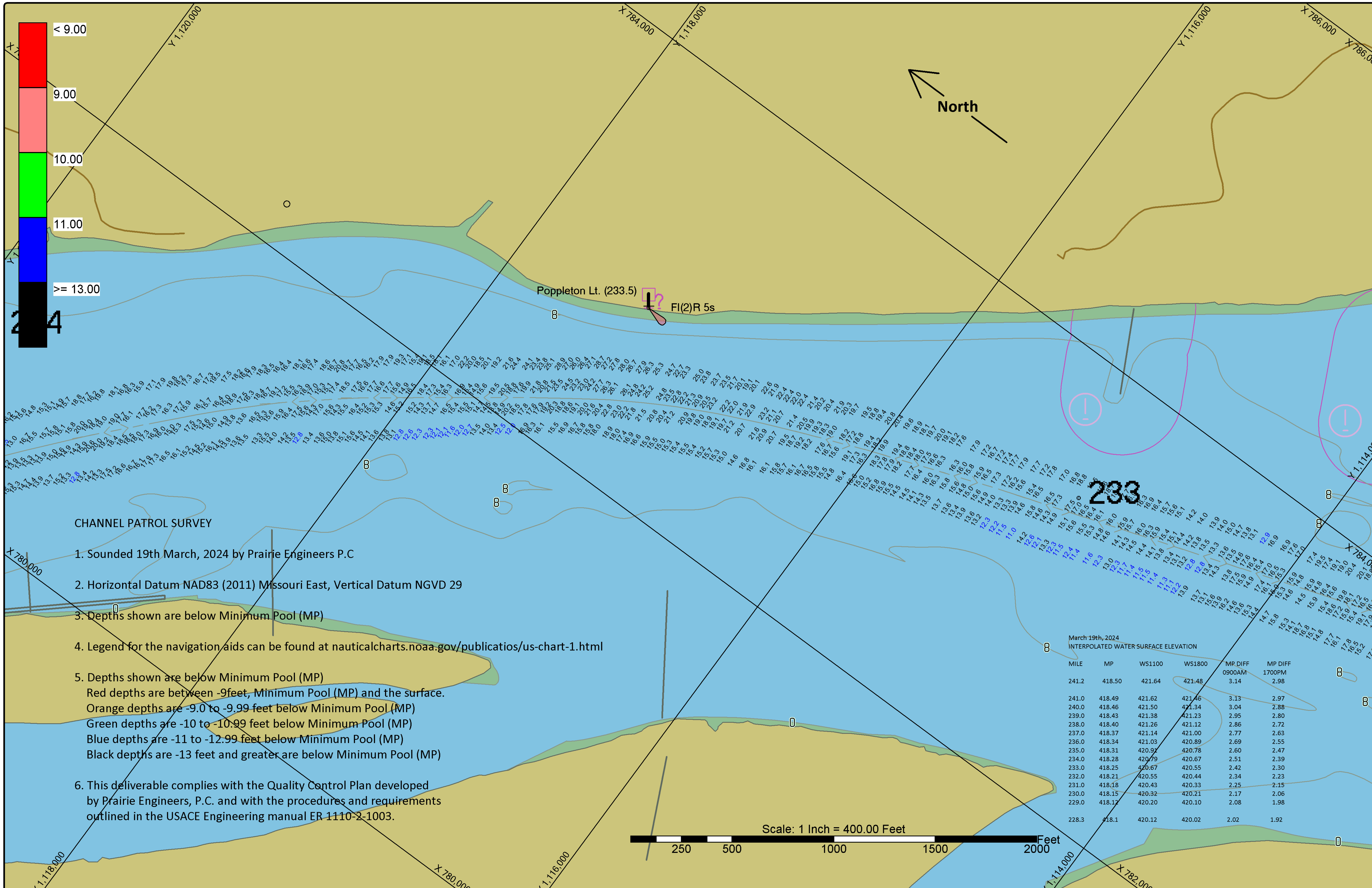
Approved: Abednego Nkem
FIELD CARTOGRAPHER
Approved: Tom Frerichs
CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer
ASST. CHIEF OF SURVEY
Approved: Tristan Harper
CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0

SHEET 031



March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
241.2	418.50	421.64	421.48	3.14	2.98
241.0	418.49	421.62	421.46	3.13	2.97
240.0	418.46	421.50	421.34	3.04	2.88
239.0	418.43	421.38	421.23	2.95	2.80
238.0	418.40	421.26	421.12	2.86	2.72
237.0	418.37	421.14	421.00	2.77	2.63
236.0	418.34	421.03	420.89	2.69	2.55
235.0	418.31	420.91	420.78	2.60	2.47
234.0	418.28	420.79	420.67	2.51	2.39
233.0	418.25	420.67	420.55	2.42	2.30
232.0	418.21	420.55	420.44	2.34	2.23
231.0	418.18	420.43	420.33	2.25	2.15
230.0	418.15	420.32	420.21	2.17	2.06
229.0	418.12	420.20	420.10	2.08	1.98
228.3	418.1	420.12	420.02	2.02	1.92

ST.LOUIS

Gage Records 19th March 2024
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft
LD25 (L) @ 0900AM = 14.64ft; @ 1700PM = 14.48ft

DATES OF SURVEY: MARCH 19TH 2024
FILE NO.:
REQUEST NO.:
SCALE: ONE INCH = 400 FEET
FIELD BOOKS:

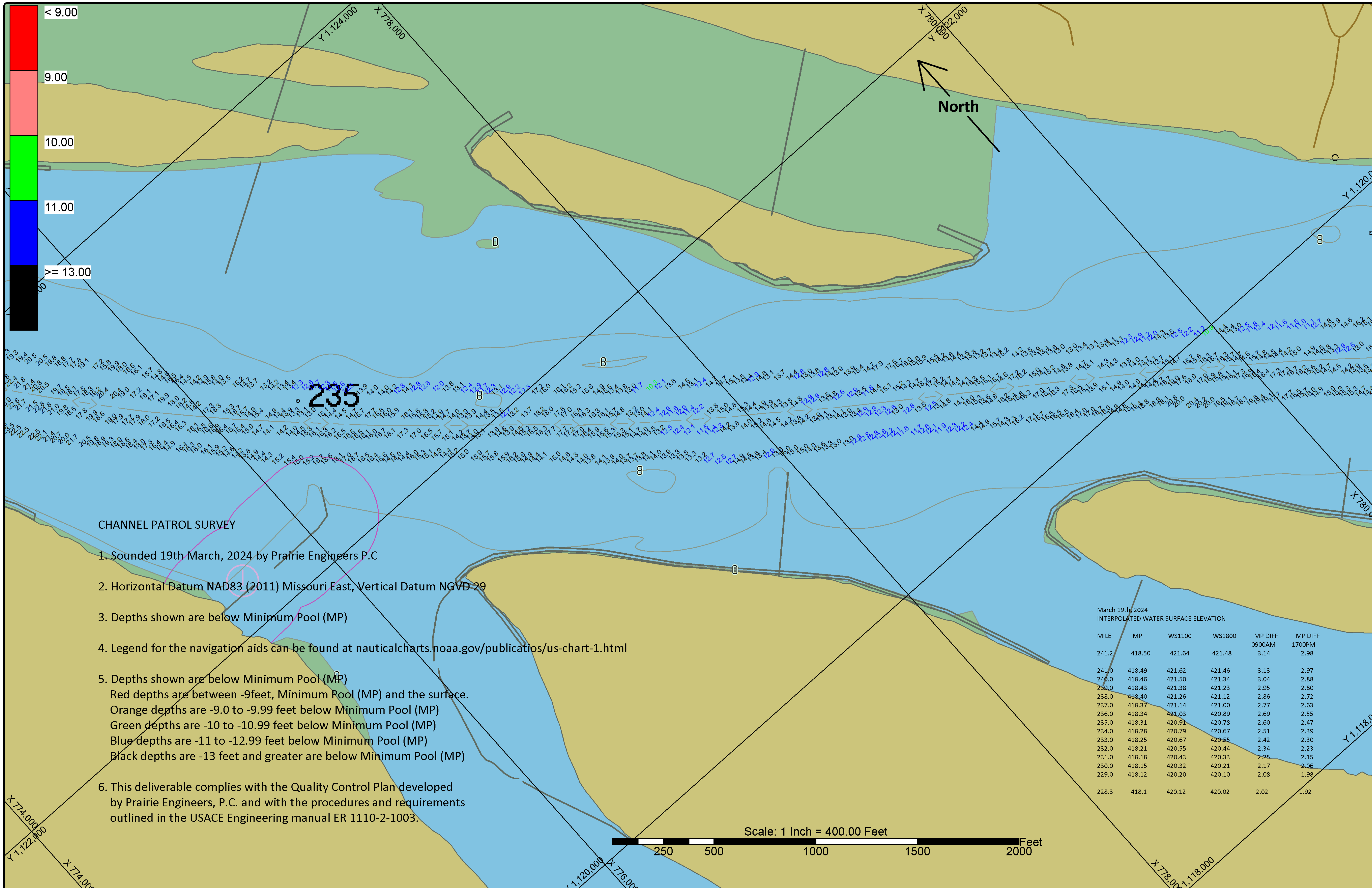
Approved: Abednego Nkem
FIELD CARTOGRAPHER
Approved: Tom Frerichs
CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer
ASST. CHIEF OF SURVEY
Approved: Tristan Harper
CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0

SHEET 032



CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C

2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29

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 below Minimum Pool (MP)
   Red depths are between -9feet, Minimum Pool (MP) and the surface.
   Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
   Green depths are -10 to -10.99 feet below Minimum Pool (MP)
   Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
   Black depths are -13 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.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
241.2	418.50	421.64	421.48	3.14	2.98
241.0	418.49	421.62	421.46	3.13	2.97
240.0	418.46	421.50	421.34	3.04	2.88
239.0	418.43	421.38	421.23	2.95	2.80
238.0	418.40	421.26	421.12	2.86	2.72
237.0	418.37	421.14	421.00	2.77	2.63
236.0	418.34	421.03	420.89	2.69	2.55
235.0	418.31	420.91	420.78	2.60	2.47
234.0	418.28	420.79	420.67	2.51	2.39
233.0	418.25	420.67	420.55	2.42	2.30
232.0	418.21	420.55	420.44	2.34	2.23
231.0	418.18	420.43	420.33	2.25	2.15
230.0	418.15	420.32	420.21	2.17	2.06
229.0	418.12	420.20	420.10	2.08	1.98
228.3	418.1	420.12	420.02	2.02	1.92

ST.LOUIS

Gage Records 19th March 2024
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft
LD25 (L) @ 0900AM = 14.64ft; @ 1700PM = 14.48ft

DATES OF SURVEY:
MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE:
ONE INCH = 400 FEET

FIELD BOOKS:

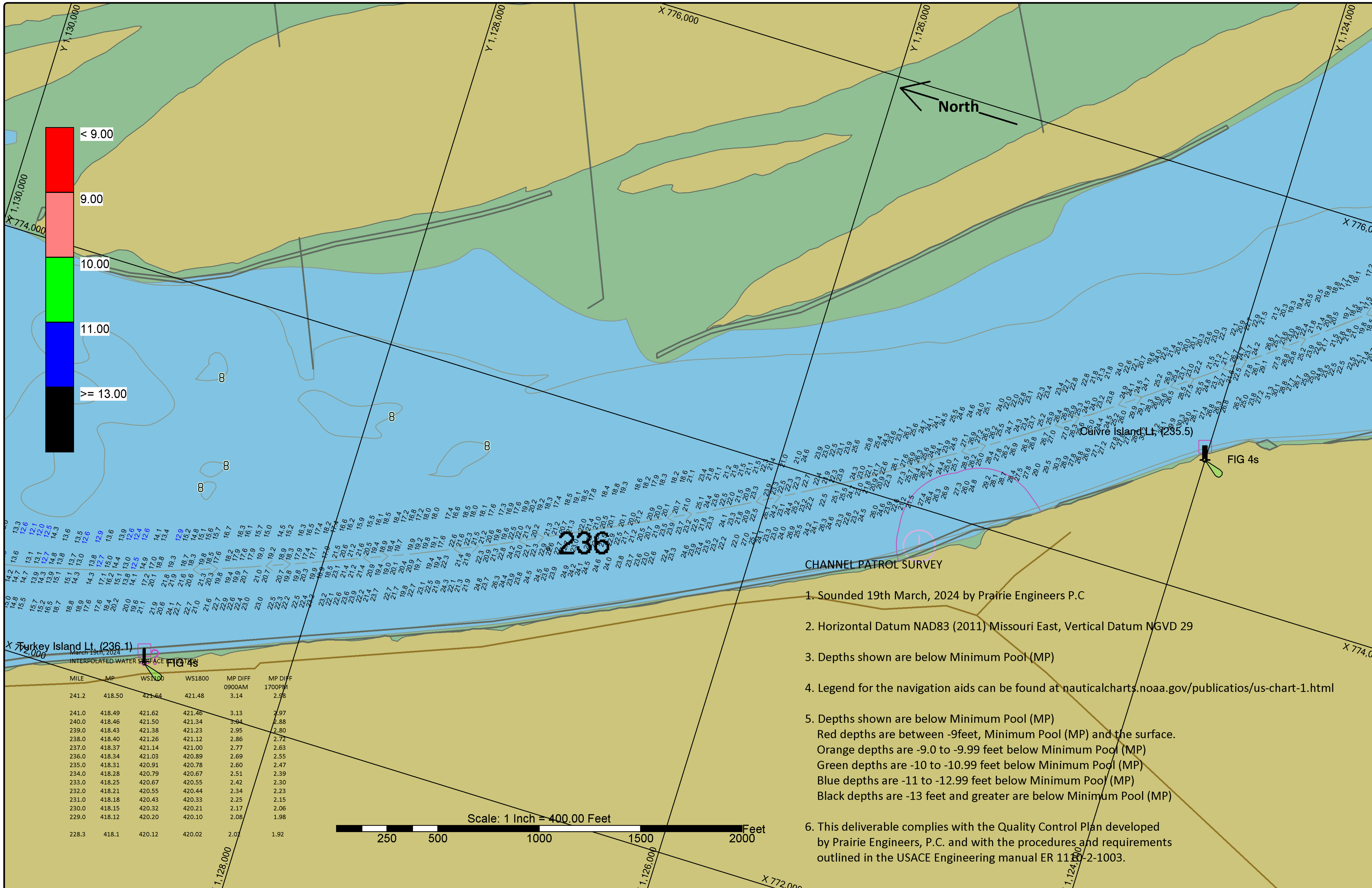
Approved: Abednego Nkem
FIELD CARTOGRAPHER
Approved: Tom Frerichs
CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer
ASST. CHIEF OF SURVEY
Approved: Tristan Harper
CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0

SHEET 033



March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
241.2	418.50	421.64	421.48	3.14	2.98
241.0	418.49	421.62	421.46	3.13	2.97
240.0	418.46	421.50	421.34	3.04	2.88
239.0	418.43	421.38	421.23	2.95	2.80
238.0	418.40	421.26	421.12	2.86	2.72
237.0	418.37	421.14	421.00	2.77	2.63
236.0	418.34	421.03	420.89	2.69	2.55
235.0	418.31	420.91	420.78	2.60	2.47
234.0	418.28	420.79	420.67	2.51	2.39
233.0	418.25	420.67	420.55	2.42	2.30
232.0	418.21	420.55	420.44	2.34	2.23
231.0	418.18	420.43	420.33	2.25	2.15
230.0	418.15	420.32	420.21	2.17	2.06
229.0	418.12	420.20	420.10	2.08	1.98
228.3	418.1	420.12	420.02	2.02	1.92

CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C
2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29
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 below Minimum Pool (MP)
   Red depths are between -9feet, Minimum Pool (MP) and the surface.
   Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
   Green depths are -10 to -10.99 feet below Minimum Pool (MP)
   Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
   Black depths are -13 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.

ST.LOUIS

Gage Records 19th March 2024
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft
LD25 (L) @ 0900AM = 14.64ft; @ 1700PM = 14.48ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

FIELD BOOKS:

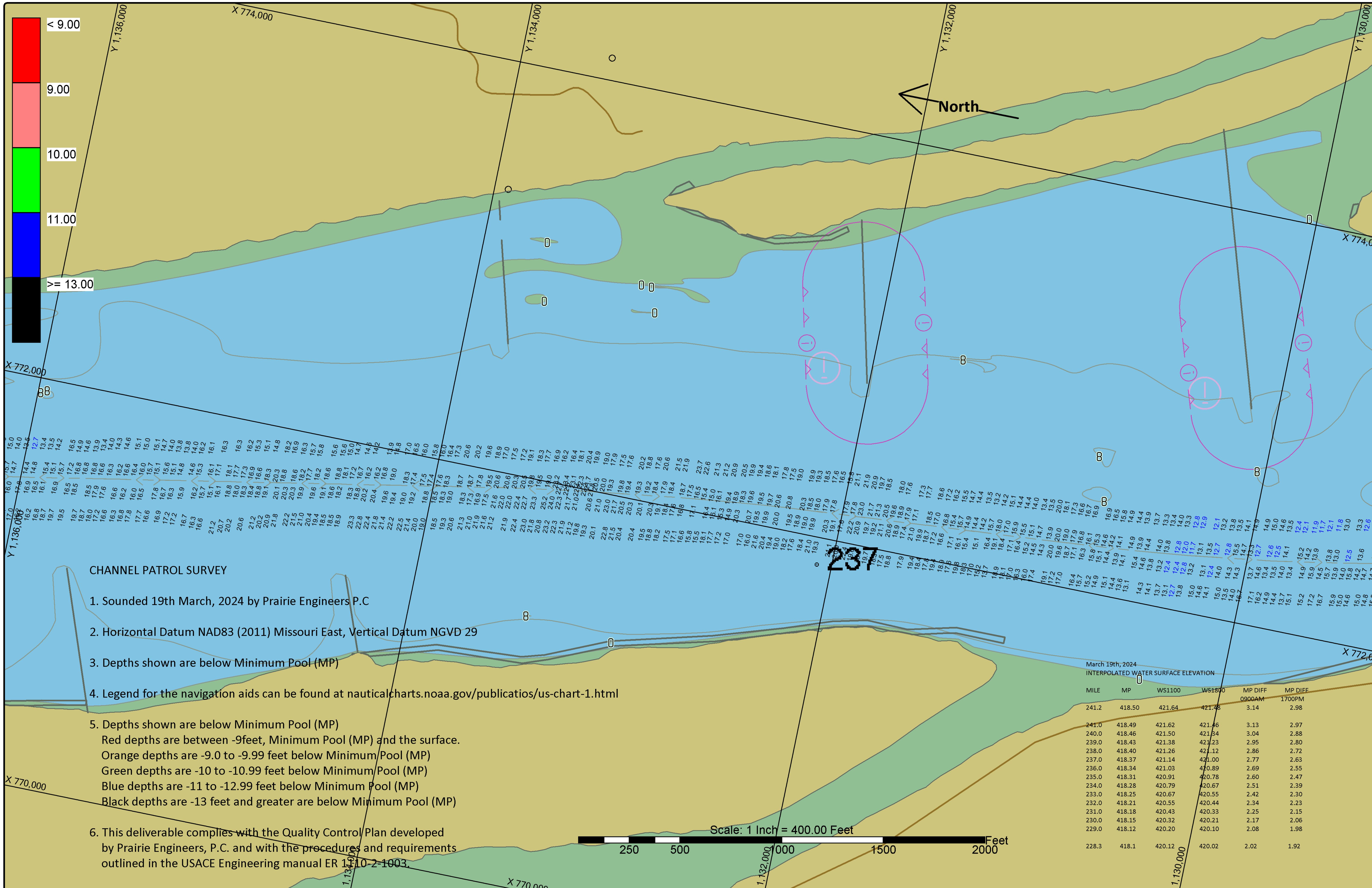
Approved: Abednego Nkem
FIELD CARTOGRAPHER
Approved: Tom Frerichs
CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer
ASST. CHIEF OF SURVEY
Approved: Tristan Harper
CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0

SHEET 034



CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C
2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29
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 below Minimum Pool (MP)
   Red depths are between -9feet, Minimum Pool (MP) and the surface.
   Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
   Green depths are -10 to -10.99 feet below Minimum Pool (MP)
   Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
   Black depths are -13 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.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
241.2	418.50	421.64	421.48	3.14	2.98
241.0	418.49	421.62	421.46	3.13	2.97
240.0	418.46	421.50	421.34	3.04	2.88
239.0	418.43	421.38	421.23	2.95	2.80
238.0	418.40	421.26	421.12	2.86	2.72
237.0	418.37	421.14	421.00	2.77	2.63
236.0	418.34	421.03	420.89	2.69	2.55
235.0	418.31	420.91	420.78	2.60	2.47
234.0	418.28	420.79	420.67	2.51	2.39
233.0	418.25	420.67	420.55	2.42	2.30
232.0	418.21	420.55	420.44	2.34	2.23
231.0	418.18	420.43	420.33	2.25	2.15
230.0	418.15	420.32	420.21	2.17	2.06
229.0	418.12	420.20	420.10	2.08	1.98
228.3	418.1	420.12	420.02	2.02	1.92

ST.LOUIS

Gage Records 19th March 2024
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft
LD25 (L) @ 0900AM = 14.64ft; @ 1700PM = 14.48ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

FIELD BOOKS:

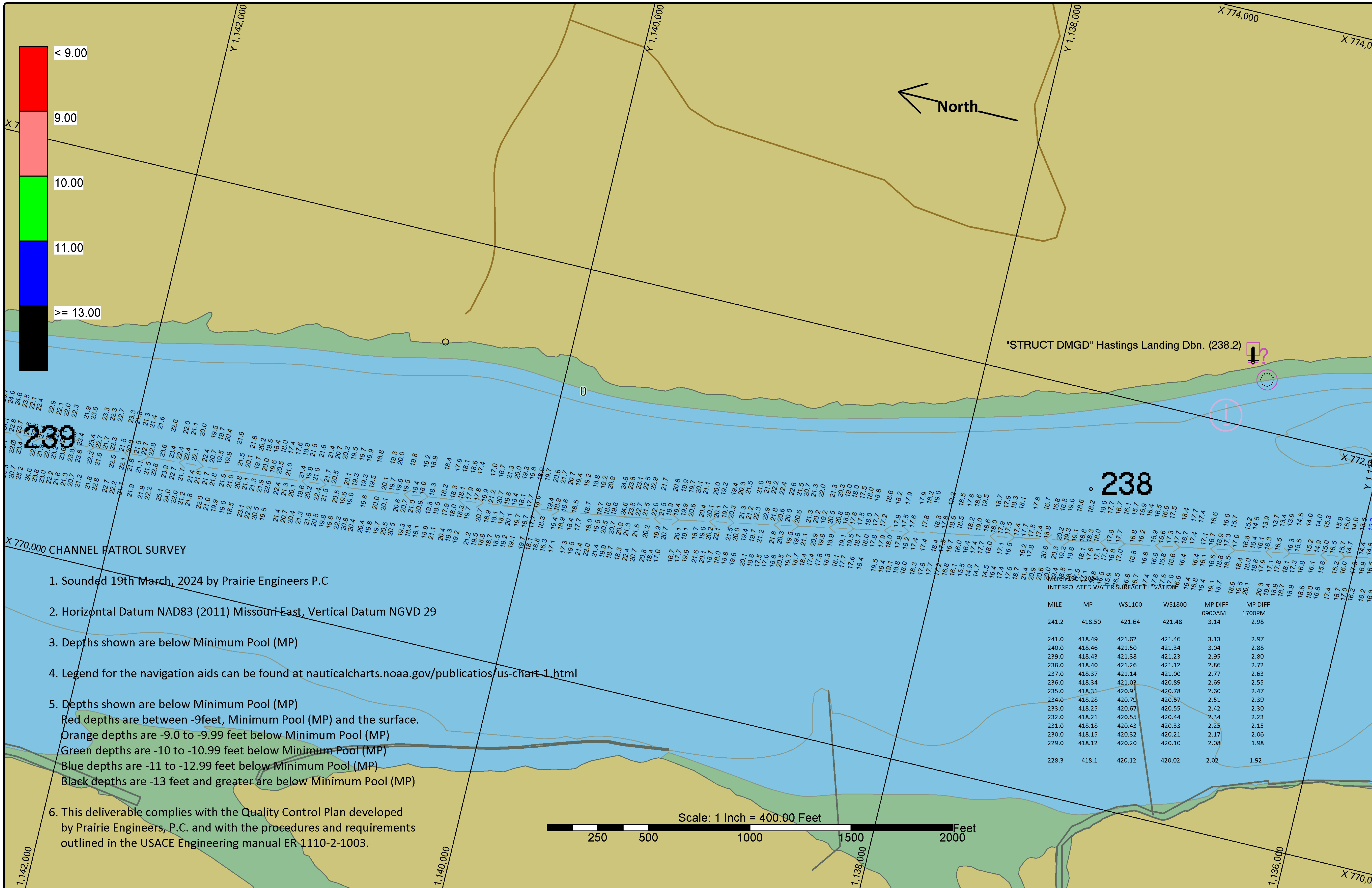
Approved: Abednego Nkem — FIELD CARTOGRAPHER
Approved: Tom Frerichs — CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer — ASST. CHIEF OF SURVEY
Approved: Tristan Harper — CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0

SHEET 035



CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C

2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29

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 below Minimum Pool (MP)
   Red depths are between -9feet, Minimum Pool (MP) and the surface.
   Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
   Green depths are -10 to -10.99 feet below Minimum Pool (MP)
   Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
   Black depths are -13 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.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
241.2	418.50	421.64	421.48	3.14	2.98
241.0	418.49	421.62	421.46	3.13	2.97
240.0	418.46	421.50	421.34	3.04	2.88
239.0	418.43	421.38	421.23	2.95	2.80
238.0	418.40	421.26	421.12	2.86	2.72
237.0	418.37	421.14	421.00	2.77	2.63
236.0	418.34	421.03	420.89	2.69	2.55
235.0	418.31	420.91	420.78	2.60	2.47
234.0	418.28	420.79	420.67	2.51	2.39
233.0	418.25	420.67	420.55	2.42	2.30
232.0	418.21	420.55	420.44	2.34	2.23
231.0	418.18	420.43	420.33	2.25	2.15
230.0	418.15	420.32	420.21	2.17	2.06
229.0	418.12	420.20	420.10	2.08	1.98
228.3	418.1	420.12	420.02	2.02	1.92

ST.LOUIS

Gage Records 19th March 2024

Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft
LD25 (L) @ 0900AM = 14.64ft; @ 1700PM = 14.48ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Tom Frerichs
CIVIL ENGINEERING TECHNICIAN

Approved: Jarrett Langer
ASST. CHIEF OF SURVEY

Approved: Tristan Harper
CHIEF OF SURVEY

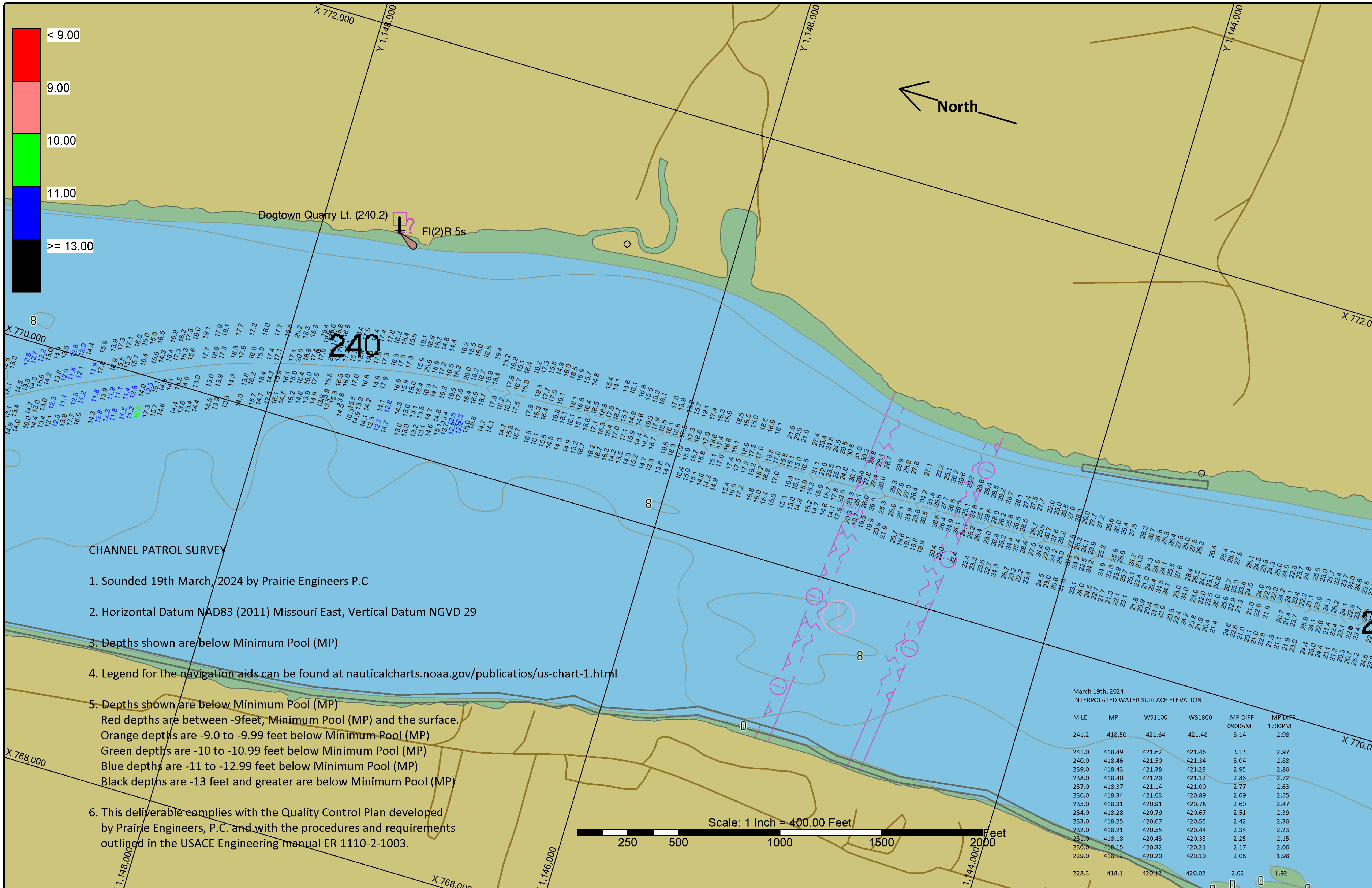
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0

SHEET 036



CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C
2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29
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 below Minimum Pool (MP)
   Red depths are between -9feet, Minimum Pool (MP) and the surface.
   Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
   Green depths are -10 to -10.99 feet below Minimum Pool (MP)
   Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
   Black depths are -13 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.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
241.2	418.50	421.64	421.48	3.14	2.98
241.0	418.49	421.62	421.46	3.13	2.97
240.0	418.46	421.50	421.34	3.04	2.88
239.0	418.43	421.38	421.23	2.95	2.80
238.0	418.40	421.26	421.12	2.86	2.72
237.0	418.37	421.14	421.00	2.77	2.63
236.0	418.34	421.03	420.89	2.69	2.55
235.0	418.31	420.91	420.78	2.60	2.47
234.0	418.28	420.79	420.67	2.51	2.39
233.0	418.25	420.67	420.55	2.42	2.30
232.0	418.21	420.55	420.44	2.34	2.23
231.0	418.18	420.43	420.33	2.25	2.15
230.0	418.15	420.32	420.21	2.17	2.06
229.0	418.12	420.20	420.10	2.08	1.98
228.3	418.1	420.12	420.02	2.02	1.92

ST.LOUIS

Gage Records 19th March 2024
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft
LD25 (L) @ 0900AM = 14.64ft; @ 1700PM = 14.48ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

FIELD BOOKS:

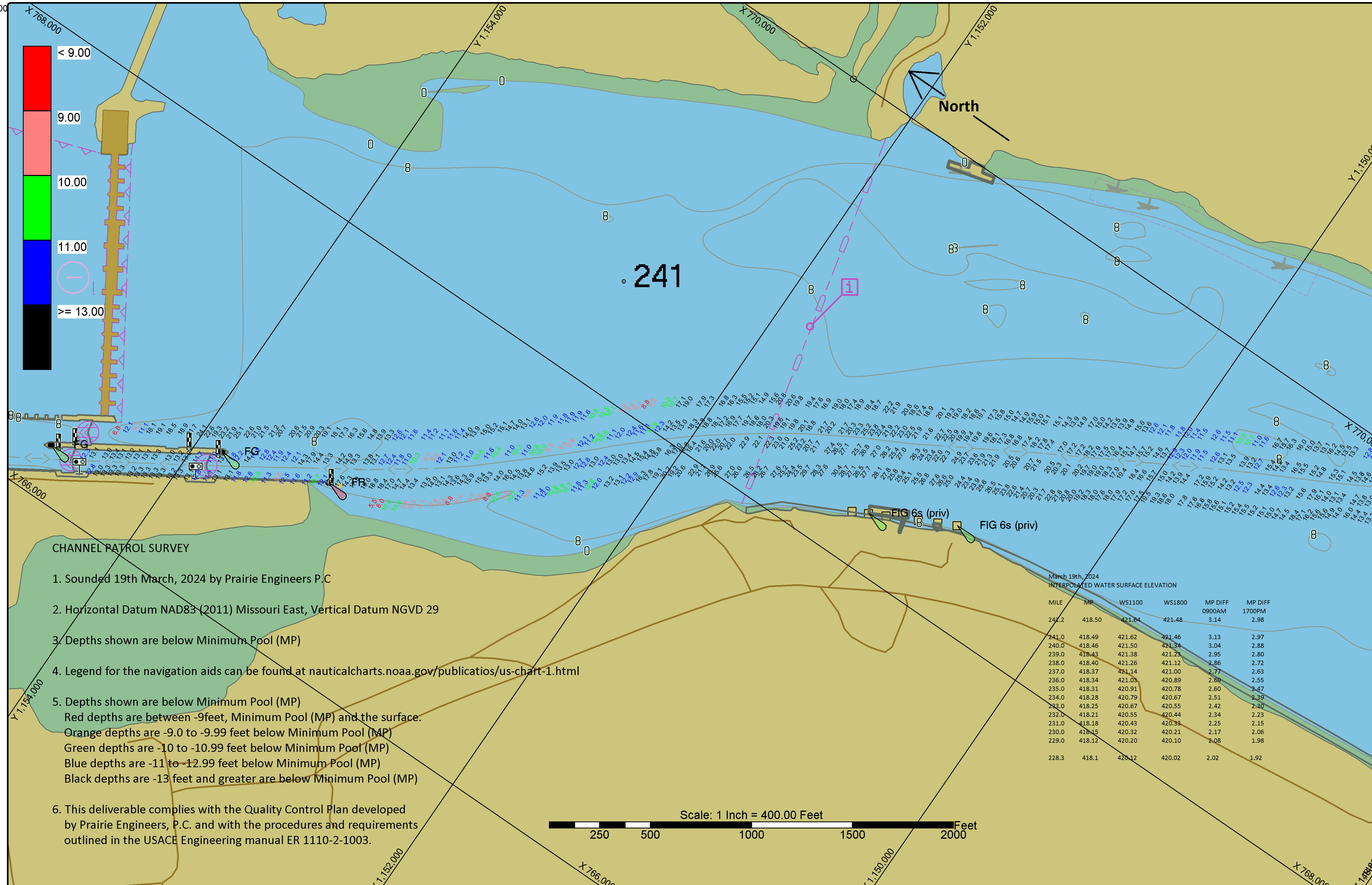
Approved: Abednego Nkem
FIELD CARTOGRAPHER
Approved: Tom Frerichs
CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer
ASST. CHIEF OF SURVEY
Approved: Tristan Harper
CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0

SHEET 037



CHANNEL PATROL SURVEY

1. Sounded 19th March, 2024 by Prairie Engineers P.C

2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29

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 below Minimum Pool (MP)
   Red depths are between -9feet, Minimum Pool (MP) and the surface.
   Orange depths are -9.0 to -9.99 feet below Minimum Pool (MP)
   Green depths are -10 to -10.99 feet below Minimum Pool (MP)
   Blue depths are -11 to -12.99 feet below Minimum Pool (MP)
   Black depths are -13 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.

March 19th, 2024
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS1100	WS1800	MP DIFF 0900AM	MP DIFF 1700PM
241.2	418.50	421.64	421.48	3.14	2.98
241.0	418.49	421.62	421.46	3.13	2.97
240.0	418.46	421.50	421.34	3.04	2.88
239.0	418.43	421.38	421.23	2.95	2.80
238.0	418.40	421.26	421.12	2.86	2.72
237.0	418.37	421.14	421.00	2.77	2.63
236.0	418.34	421.03	420.89	2.69	2.55
235.0	418.31	420.91	420.78	2.60	2.47
234.0	418.28	420.79	420.67	2.51	2.39
233.0	418.25	420.67	420.55	2.42	2.30
232.0	418.21	420.55	420.44	2.34	2.23
231.0	418.18	420.43	420.33	2.25	2.15
230.0	418.15	420.32	420.21	2.17	2.06
229.0	418.12	420.20	420.10	2.08	1.98
228.3	418.1	420.12	420.02	2.02	1.92

ST.LOUIS

Gage Records 19th March 2024
Dixon gage @ 0900AM = 9.50ft; @ 1700PM = 9.40ft
LD25 (L) @ 0900AM = 14.64ft; @ 1700PM = 14.48ft

DATES OF SURVEY: MARCH 19TH 2024

FILE NO.:
REQUEST NO.:

SCALE: ONE INCH = 400 FEET

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER
Approved: Tom Frerichs
CIVIL ENGINEERING TECHNICIAN
Approved: Jarrett Langer
ASST. CHIEF OF SURVEY
Approved: Tristan Harper
CHIEF OF SURVEY
Date: APRIL 8th 2024

US ARMY CORPS OF ENGINEERS
ST.LOUIS DISTRICT
ST.LOUIS, MISSOURI

SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0

SHEET 038