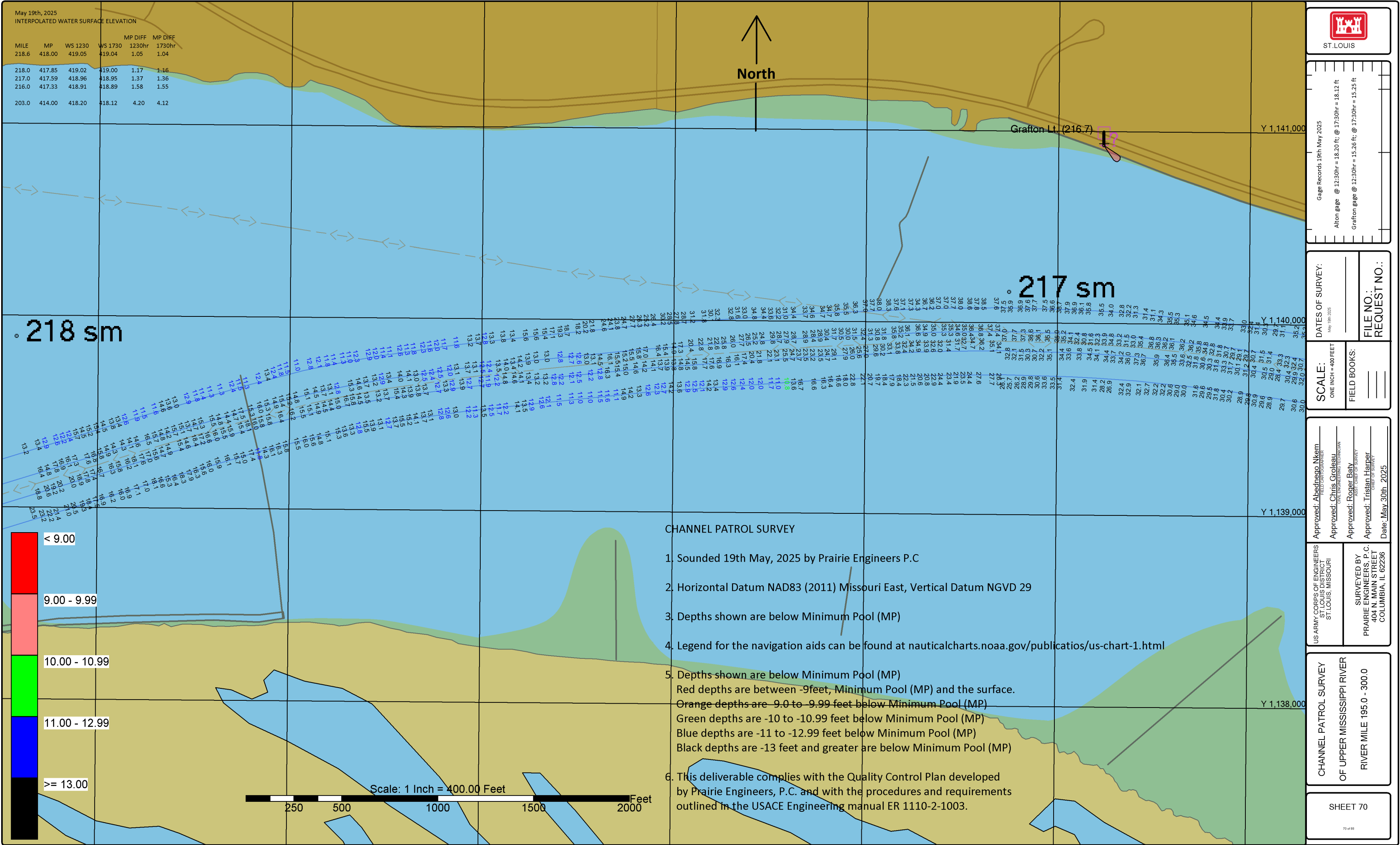
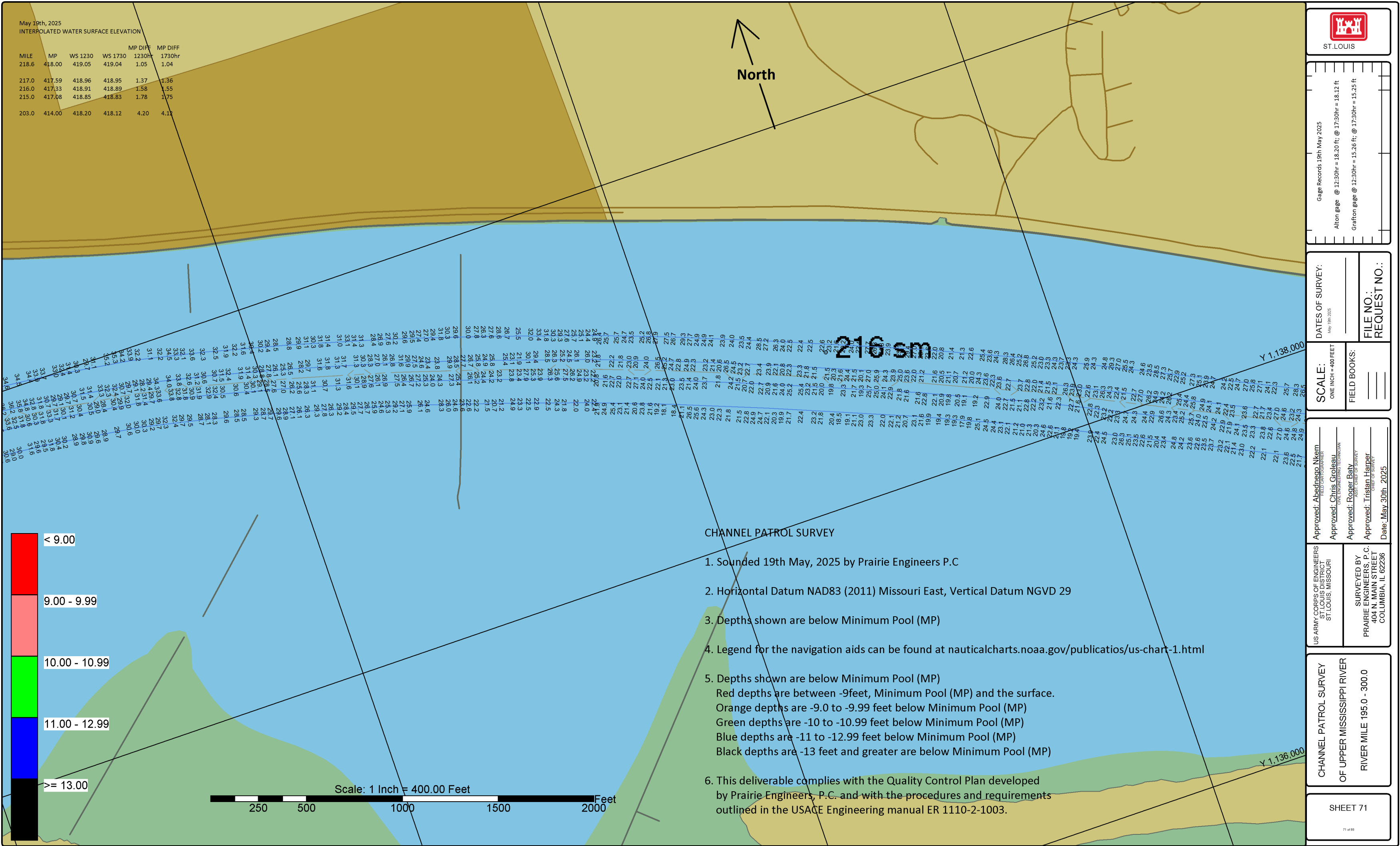
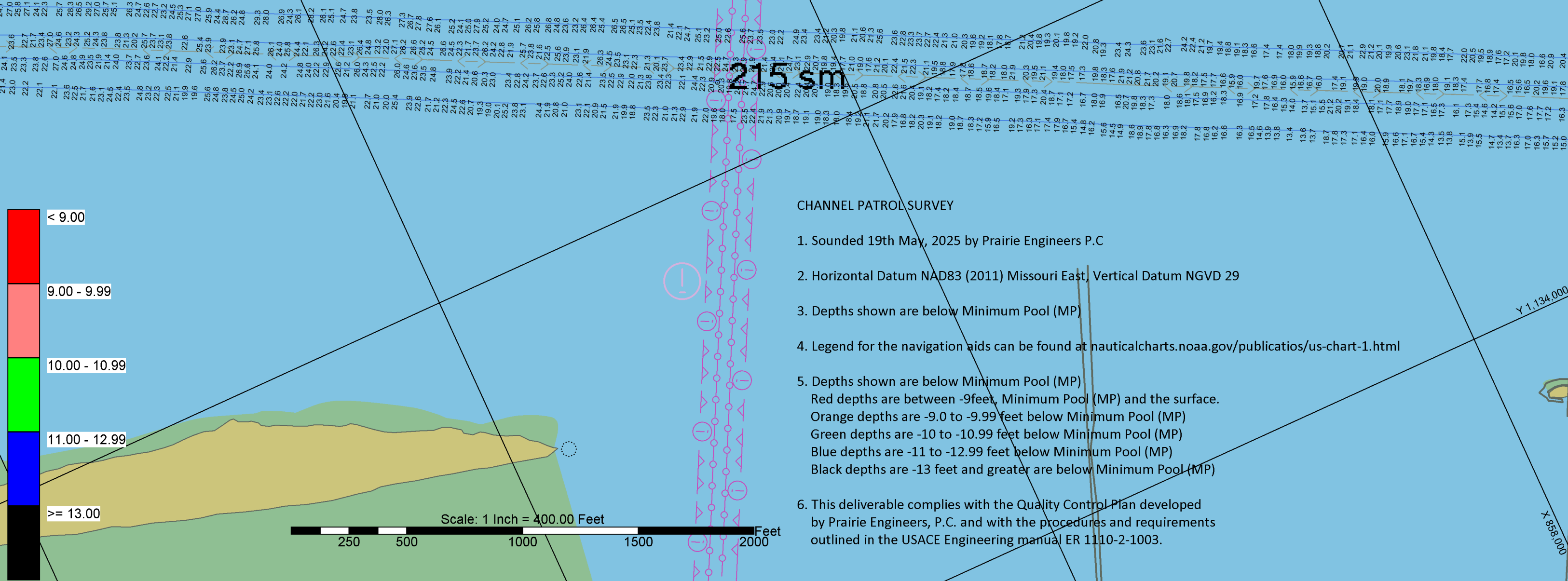






May 19th, 2025
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS 1230	WS 1730	MP DIFF 1230hr	MP DIFF 1730hr
218.6	418.00	419.05	419.04	1.05	1.04
216.0	417.33	418.91	418.89	1.58	1.55
215.0	417.08	418.85	418.83	1.78	1.75
214.0	416.82	418.80	418.77	1.98	1.95
203.0	414.00	418.20	418.12	4.20	4.12



CHANNEL PATROL SURVEY

1. Sounded 19th May, 2025 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/publications/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 May 2025

Alton gage @ 12:30hr = 18.20 ft; @ 17:30hr = 18.12 ft

Grafton gage @ 12:30hr = 15.26 ft; @ 17:30hr = 15.25 ft

DATES OF SURVEY:

May 19th 2025

SCALE:

ONE INCH = 400 FEET

FILE NO.:

REQUEST NO.:

Approved: Aledhoro Nkomo

Approved: Chris Groleau

Approved: Roger Baty

Approved: Tristan Harper

Date: May 30th 2025

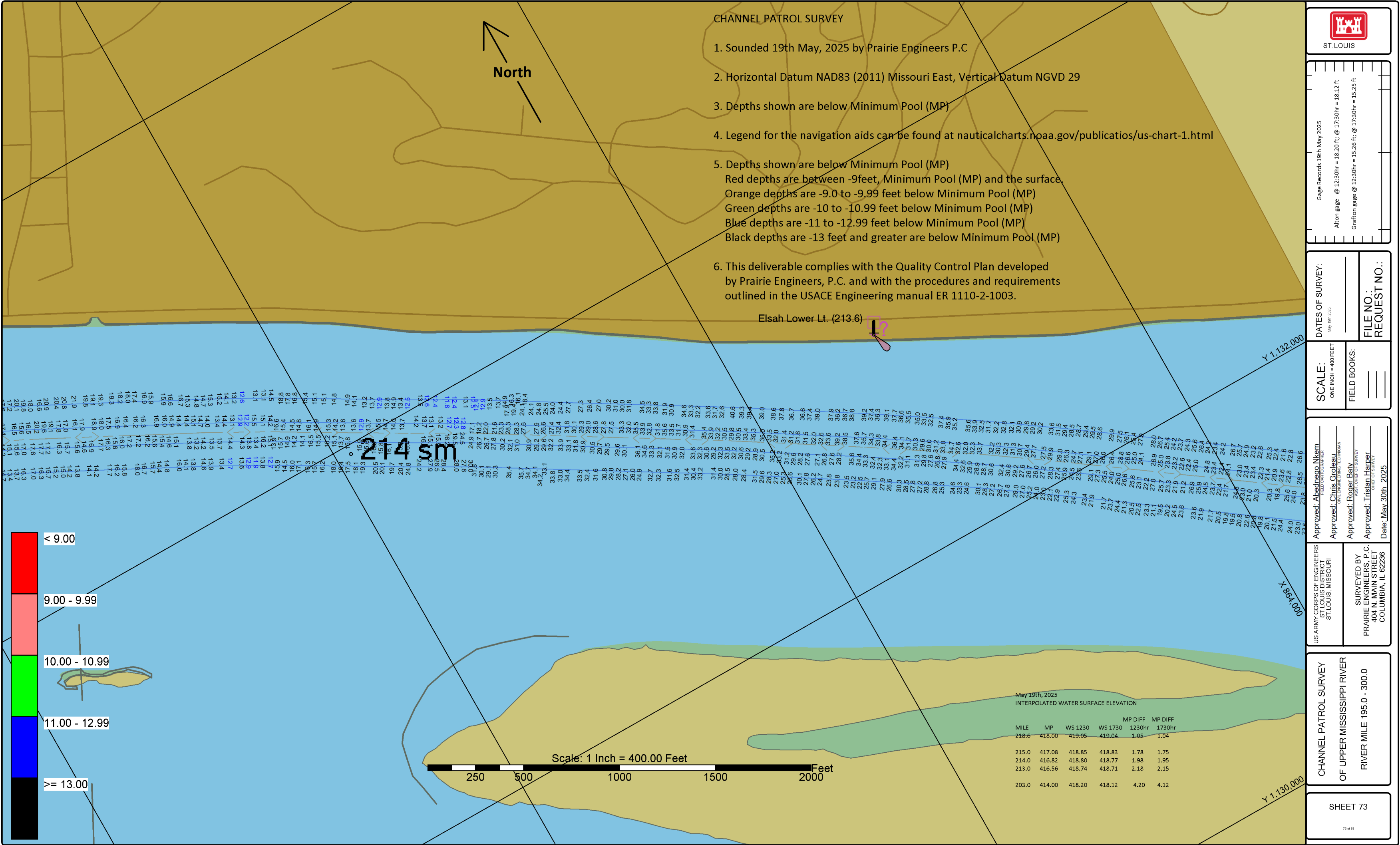
US ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

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 72

72 of 80





ST. LOUIS

Gage Records 19th May 2025

Alton gage @ 12:30hr = 18.20 ft; @ 17:30hr = 18.12 ft

Grafton gage @ 12:30hr = 15.26 ft; @ 17:30hr = 15.25 ft

DATES OF SURVEY:

May 19th 2025

SCALE:

ONE INCH = 400 FEET

FIELD BOOKS:

FILE NO.:

REQUEST NO.:

Approved: Ahdhego Nkomo
DEPUTY CHIEF OF SURVEY

Approved: Chris Groleau
CIVIL ENGINEERING TECHNICIAN

Approved: Roger Baty
ASST CHIEF OF SURVEY

Approved: Tristan Harper
CHIEF OF SURVEY

Date: May 30th 2025

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

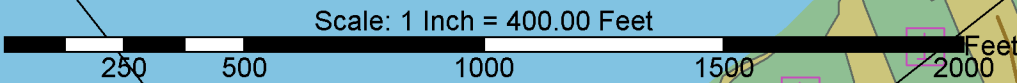
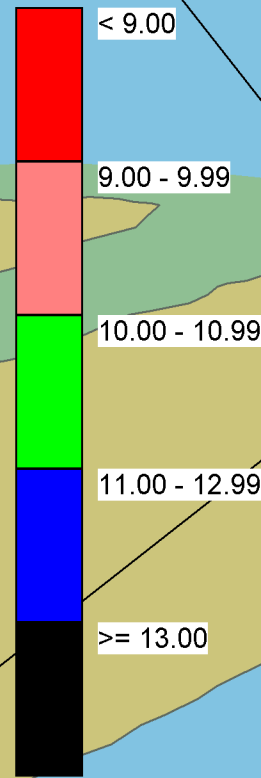
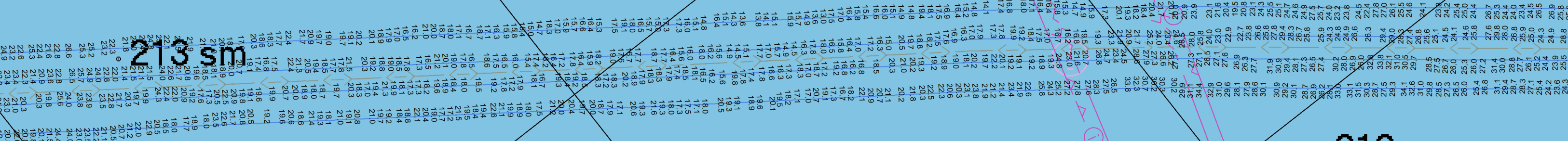
RIVER MILE 195.0 - 300.0

SHEET 73

73 of 80

May 19th, 2025
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS 1230	WS 1730	MP DIFF 1230hr	MP DIFF 1730hr
218.6	418.00	419.05	419.04	1.05	1.04
213.0	416.56	418.74	418.71	2.18	2.15
212.0	416.31	418.69	418.65	2.38	2.34
203.0	414.00	418.20	418.12	4.20	4.12



CHANNEL PATROL SURVEY

1. Sounded 19th May, 2025 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/publications/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 May 2025

Alton gage @ 12:30hr = 18.20 ft; @ 17:30hr = 18.12 ft

Grafton gage @ 12:30hr = 15.26 ft; @ 17:30hr = 15.25 ft

DATES OF SURVEY:

May 19th 2025

SCALE:

ONE INCH = 400 FEET

FILE NO.:

REQUEST NO.:

FIELD BOOKS:

Approved: Aledhoro Nkomo

Approved: Chris Groleau

Approved: Roger Baty

Approved: Tristan Harper

Date: May 30th 2025

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

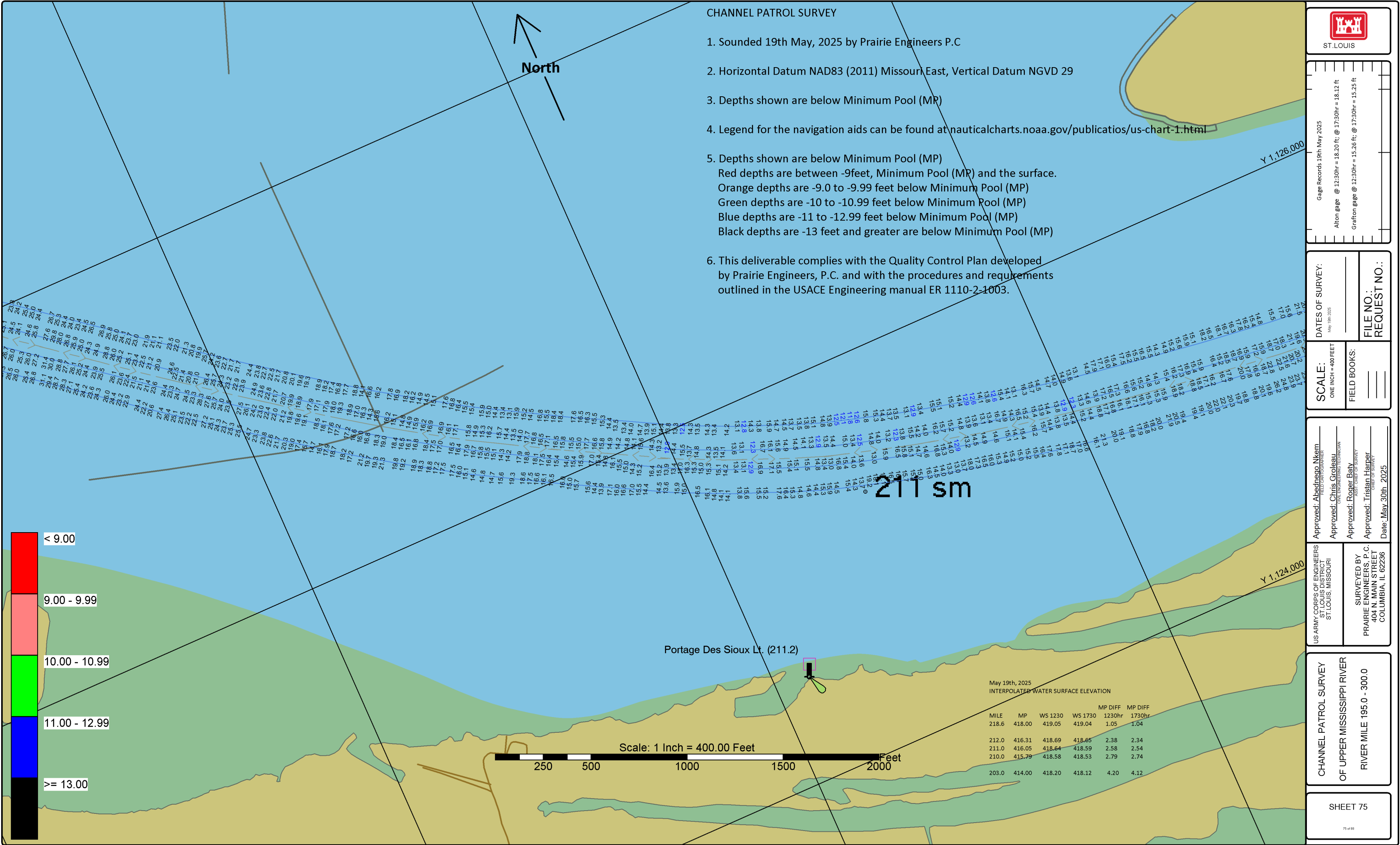
SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER

RIVER MILE 195.0 - 300.0

SHEET 74

74 of 80



CHANNEL PATROL SURVEY

1. Sounded 19th May, 2025 by Prairie Engineers P.C
2. Horizontal Datum NAD83 (2011) Missouri East, Vertical Datum NGVD 29
3. Depths shown are below Minimum Pool (MR)
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 May 2025

Alton gage @ 12:30hr = 18.20 ft; @ 17:30hr = 18.12 ft

Grafton gage @ 12:30hr = 15.26 ft; @ 17:30hr = 15.25 ft

DATES OF SURVEY:

May 19th 2025

SCALE:

ONE INCH = 400 FEET

FILE NO.:

REQUEST NO.:

Approved: Aledhoro Nkomo

DEUTY COMMANDER

Approved: Chris Groleau

CIVIL ENGINEERING TECHNICIAN

Approved: Roger Baty

ASST. CHIEF OF SURVEY

Approved: Tristan Harper

CHIEF OF SURVEY

Date: May 30th 2025

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 75

75 of 80

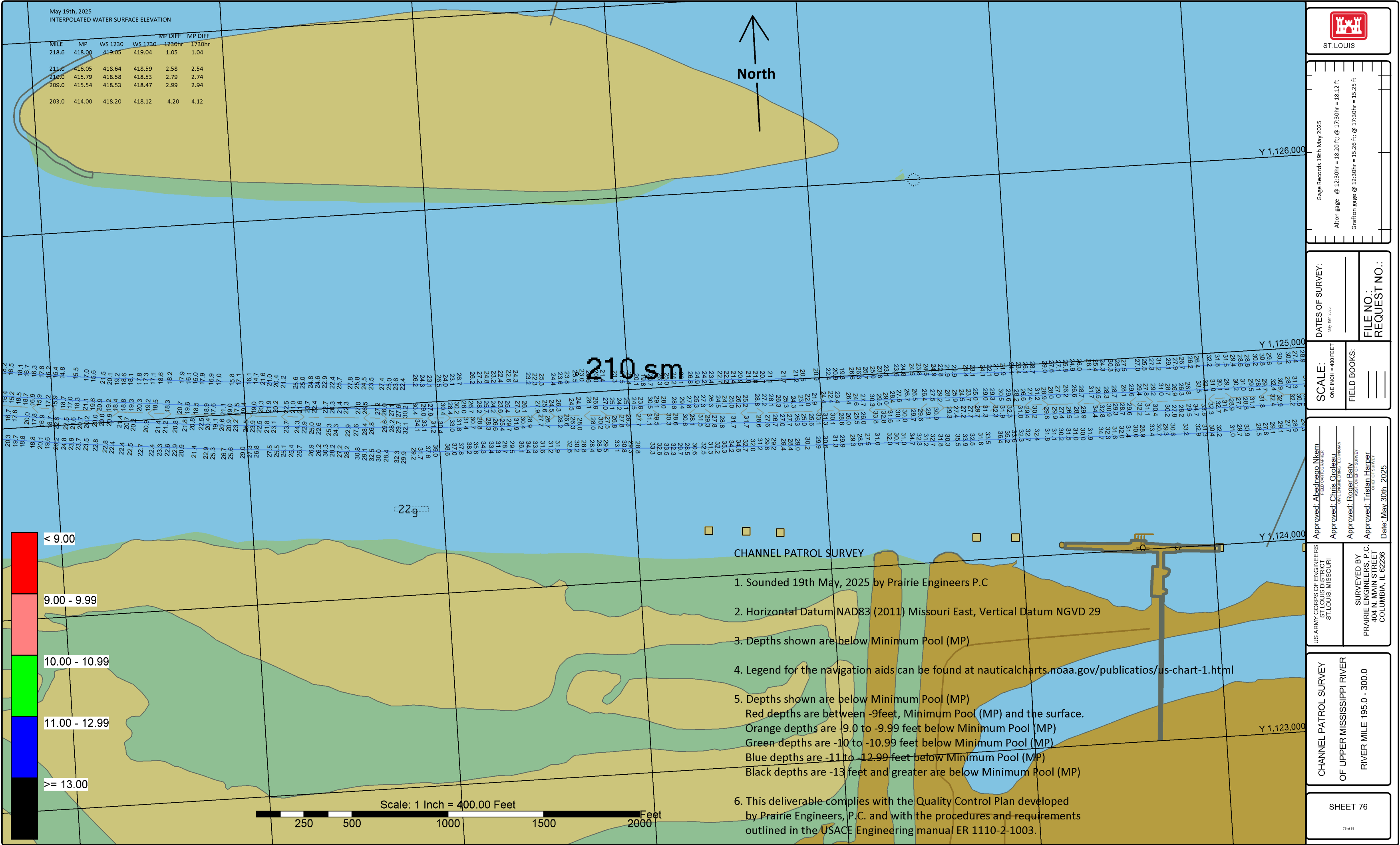
May 19th, 2025
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS 1230	WS 1730	MP DIFF 1230hr	MP DIFF 1730hr
218.6	418.00	419.05	419.04	1.05	1.04
212.0	416.31	418.69	418.65	2.38	2.34
211.0	416.05	418.64	418.59	2.58	2.54
210.0	415.79	418.58	418.53	2.79	2.74
203.0	414.00	418.20	418.12	4.20	4.12

Scale: 1 Inch = 400.00 Feet

250 500 1000 1500 2000 Feet

Portage Des Sioux Lt. (211.2)



ST. LOUIS

Gage Records 19th May 2025

Alton gage @ 12:30hr = 18.20 ft; @ 17:30hr = 18.12 ft

Grafton gage @ 12:30hr = 15.26 ft; @ 17:30hr = 15.25 ft

DATES OF SURVEY:

May 19th 2025

SCALE:

ONE INCH = 400 FEET

FIELD BOOKS:

FILE NO.:

REQUEST NO.:

Approved: Aledhoro Nkomo

DEPUTY CHIEF OF SURVEY

Approved: Chris Groleau

CIVIL ENGINEERING TECHNICIAN

Approved: Roger Baty

ASST. CHIEF OF SURVEY

Approved: Tristan Harper

CHIEF OF SURVEY

Date: May 30th, 2025

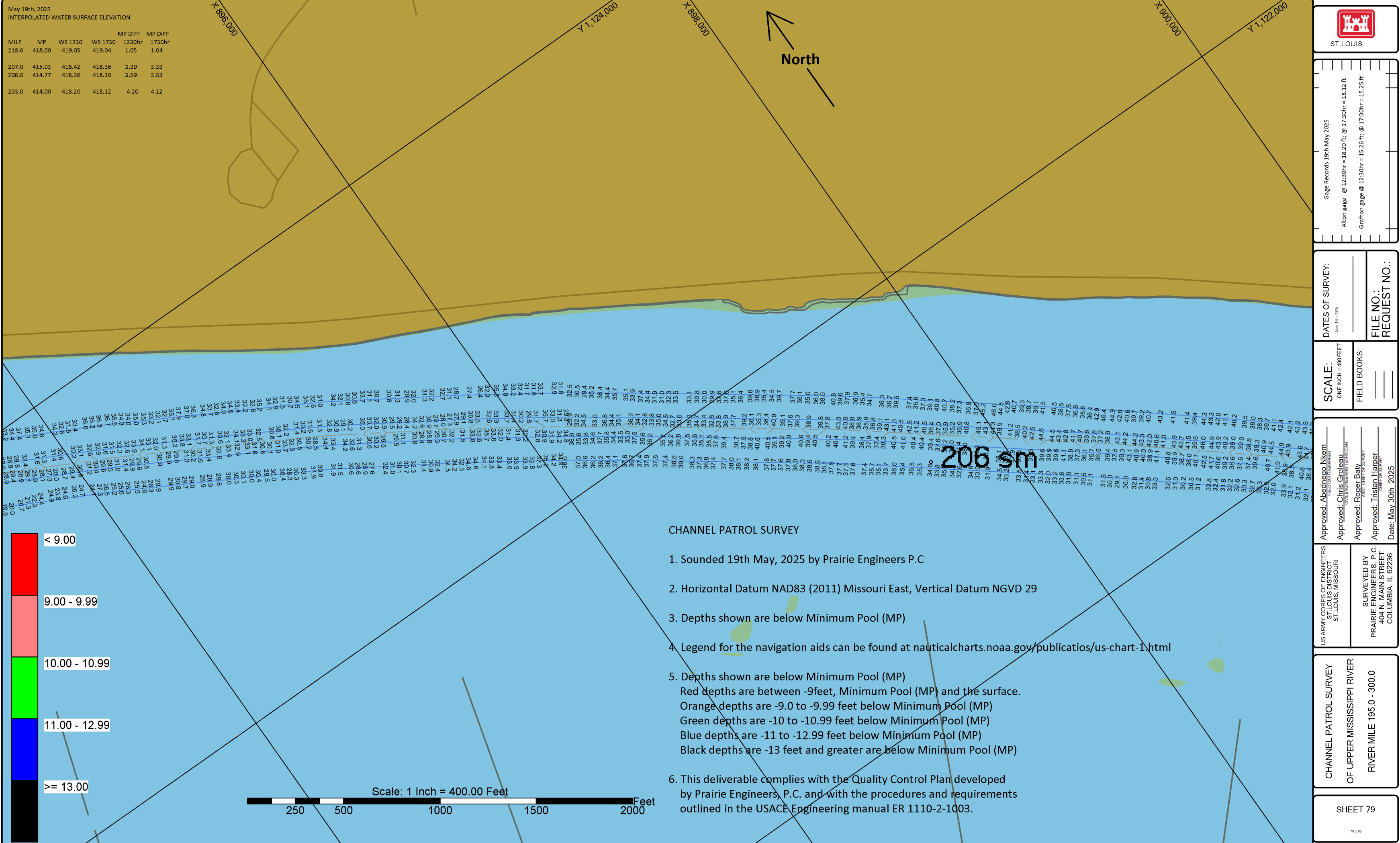
US ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

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

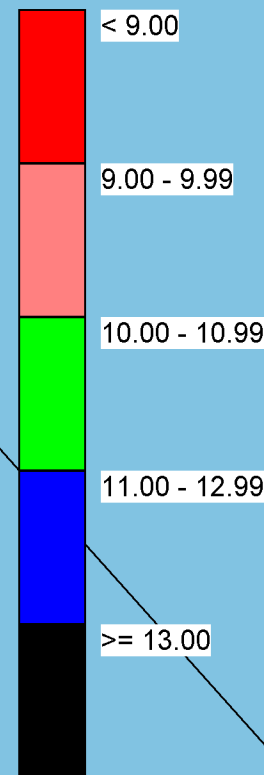
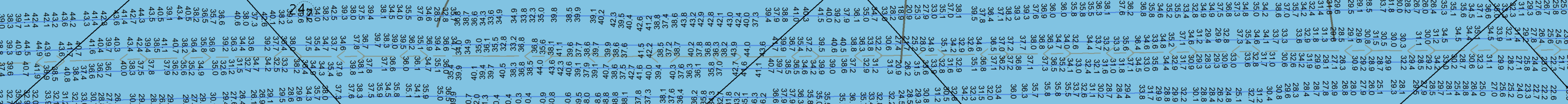
CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER
RIVER MILE 195.0 - 300.0

SHEET 76

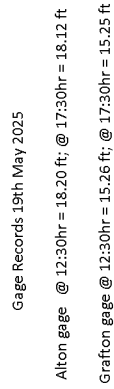
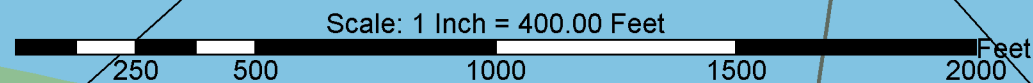
76 of 80



MILE	MP	WS 1230	WS 1730	MP DIFF 1230hr	MP DIFF 1730hr
218.6	418.00	419.05	419.04	1.05	1.04
206.0	414.77	418.36	418.30	3.59	3.53
205.0	414.51	418.31	418.24	3.80	3.73
204.0	414.26	418.25	418.18	4.00	3.92
203.0	414.00	418.20	418.12	4.20	4.12



1. Sounded 19th May, 2025 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/publications/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.



DATES OF SURVEY:

FILE NO.:
REQUEST NO.:

SCALE:
ONE INCH = 400 FEET

FIELD BOOKS:

Approved: Abednego Nkem
FIELD CARTOGRAPHER

Approved: Chris Groleau
CIVIL ENGINEERING TECHNICIAN

Approved: Roger Baty
ASST. CHIEF OF SURVEY

Approved: Tristan Harper
CHIEF OF SURVEY

Date: May 30th 2025

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

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

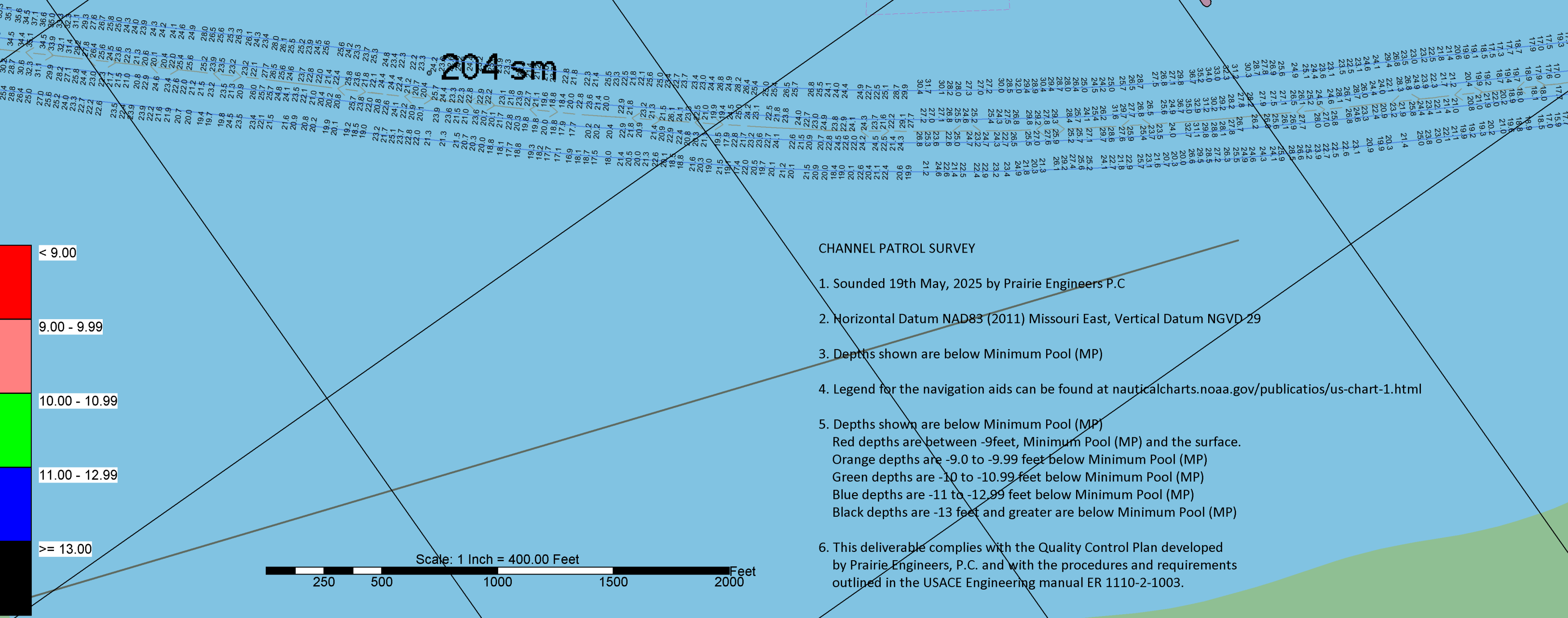
CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER

RIVER MILE 195.0 - 300.0

SHEET 80

May 19th, 2025
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS 1230	WS 1730	MP DIFF	MP DIFF
218.6	418.00	419.05	419.04	1.05	1.04
205.0	414.51	418.31	418.24	3.80	3.73
204.0	414.26	418.25	418.18	4.00	3.92
203.0	414.00	418.20	418.12	4.20	4.12



CHANNEL PATROL SURVEY

1. Sounded 19th May, 2025 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.



Gage Records 19th May 2025

Alton gage @ 12:30hr = 18.20 ft; @ 17:30hr = 18.12 ft

Grafton gage @ 12:30hr = 15.26 ft; @ 17:30hr = 15.25 ft

DATES OF SURVEY:

May 19th 2025

FILE NO.:

REQUEST NO.:

SCALE:

ONE INCH = 400 FEET

FIELD BOOKS:

Approved: Aledhoro Nkomo

Approved: Chris Groleau

Approved: Roger Baty

Approved: Tristan Harper

Date: May 30th 2025

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

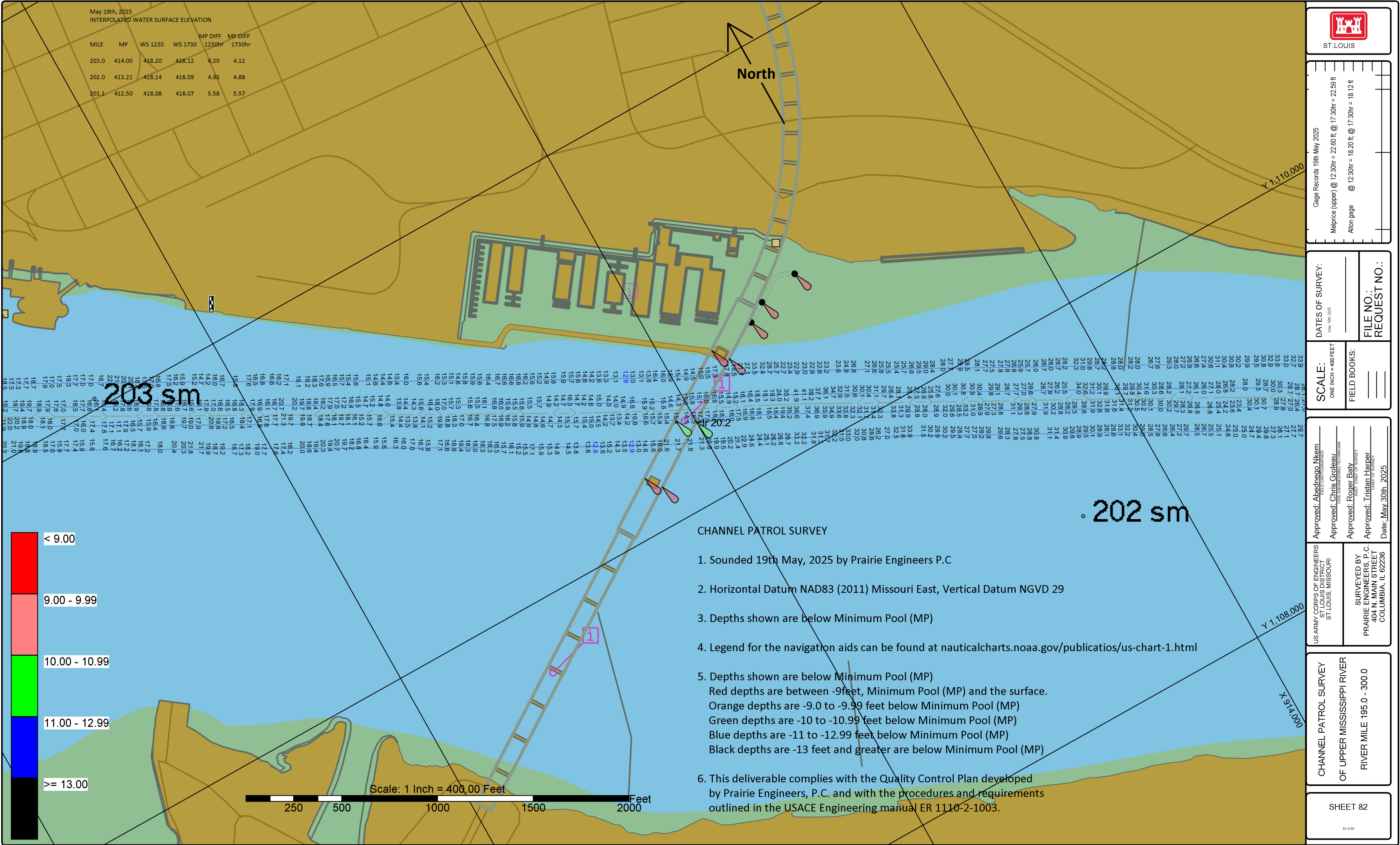
SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

CHANNEL PATROL SURVEY
OF UPPER MISSISSIPPI RIVER

RIVER MILE 195.0 - 300.0

SHEET 81

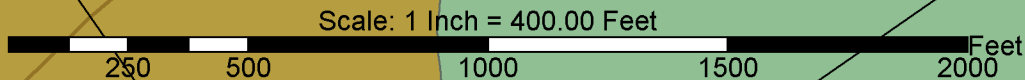
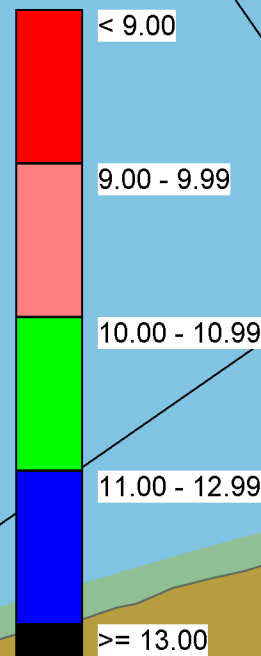
81 of 80



May 19th, 2025
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS 1230	WS 1730	MP DIFF	
				1230hr	1730hr
203.0	414.00	418.20	418.12	4.20	4.12
202.0	413.21	418.14	418.09	4.93	4.88
201.1	412.50	418.08	418.07	5.58	5.57

202 sm



CHANNEL PATROL SURVEY

1. Sounded 19th May, 2025 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/publications/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.



Gage Records 19th May 2025
Melprice(upper)@ 12:30hr = 22.60ft; @ 17:30hr = 22.59ft
Alton gage @ 12:30hr = 18.20ft; @ 17:30hr = 18.12ft

DATES OF SURVEY:

May 19th 2025

SCALE:

ONE INCH = 400 FEET

FIELD BOOKS:

FILE NO.:

REQUEST NO.:

Approved: Aledhogo Nkomo

DEPUTY CHIEF OF SURVEY

Approved: Chris Groleau

CIVIL ENGINEERING TECHNICIAN

Approved: Roger Baty

ASST. CHIEF OF SURVEY

Approved: Tristan Harper

CHIEF OF SURVEY

Date: May 30th 2025

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

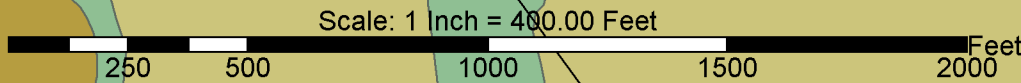
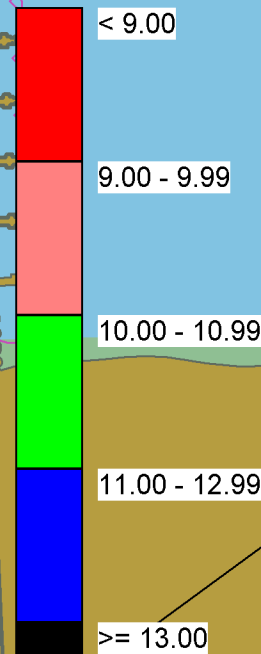
RIVER MILE 195.0 - 300.0

SHEET 83

83 of 88

May 19th, 2025
INTERPOLATED WATER SURFACE ELEVATION

MILE	MP	WS 0900	MP DIFF	
			0900	1230
200.5	396.30	402.49	402.48	6.19 6.18
200.0	396.29	402.36	402.35	6.07 6.06
199.0	396.27	402.10	402.09	5.83 5.82
190.5	396.01	399.91	399.91	3.90 3.90



CHANNEL PATROL SURVEY

1. Sounded 19th May, 2025 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.



Gage Records 19th May 2025
Chain of rocks@ 09:00hr = 86.0ft; @ 12:30hr = 86.0ft
Melprice(TW) @ 09:00hr = 7.01ft; @ 12:30hr = 7.00ft

DATES OF SURVEY:
May 19th 2025

SCALE:
ONE INCH = 400 FEET

FILE NO.:
REQUEST NO.:

FIELD BOOKS:

Approved: Aledhogo Nkomo
Approved: Chris Groleau
Approved: Roger Baty
Approved: Tristan Harper
Date: May 30th 2025

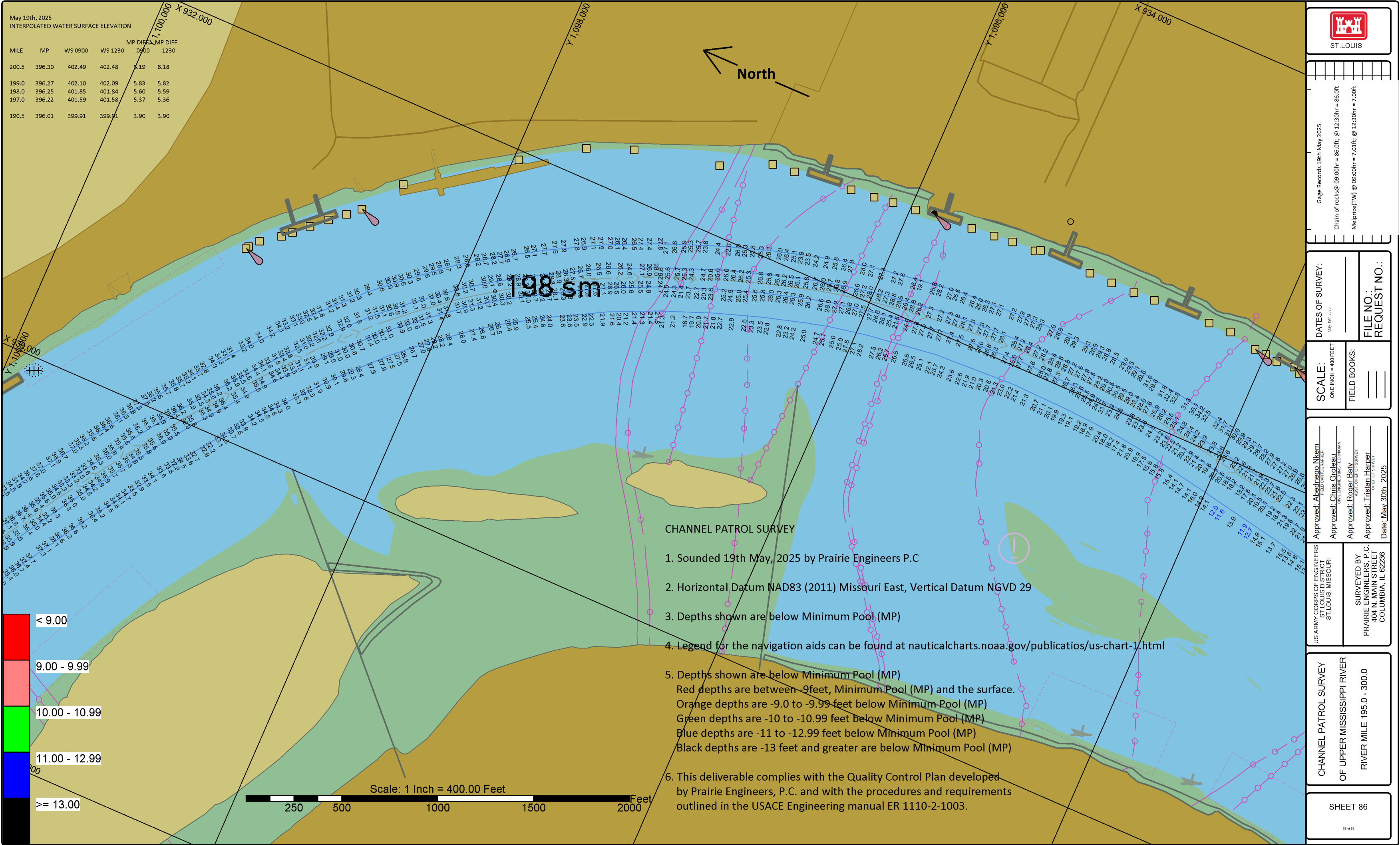
US ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI

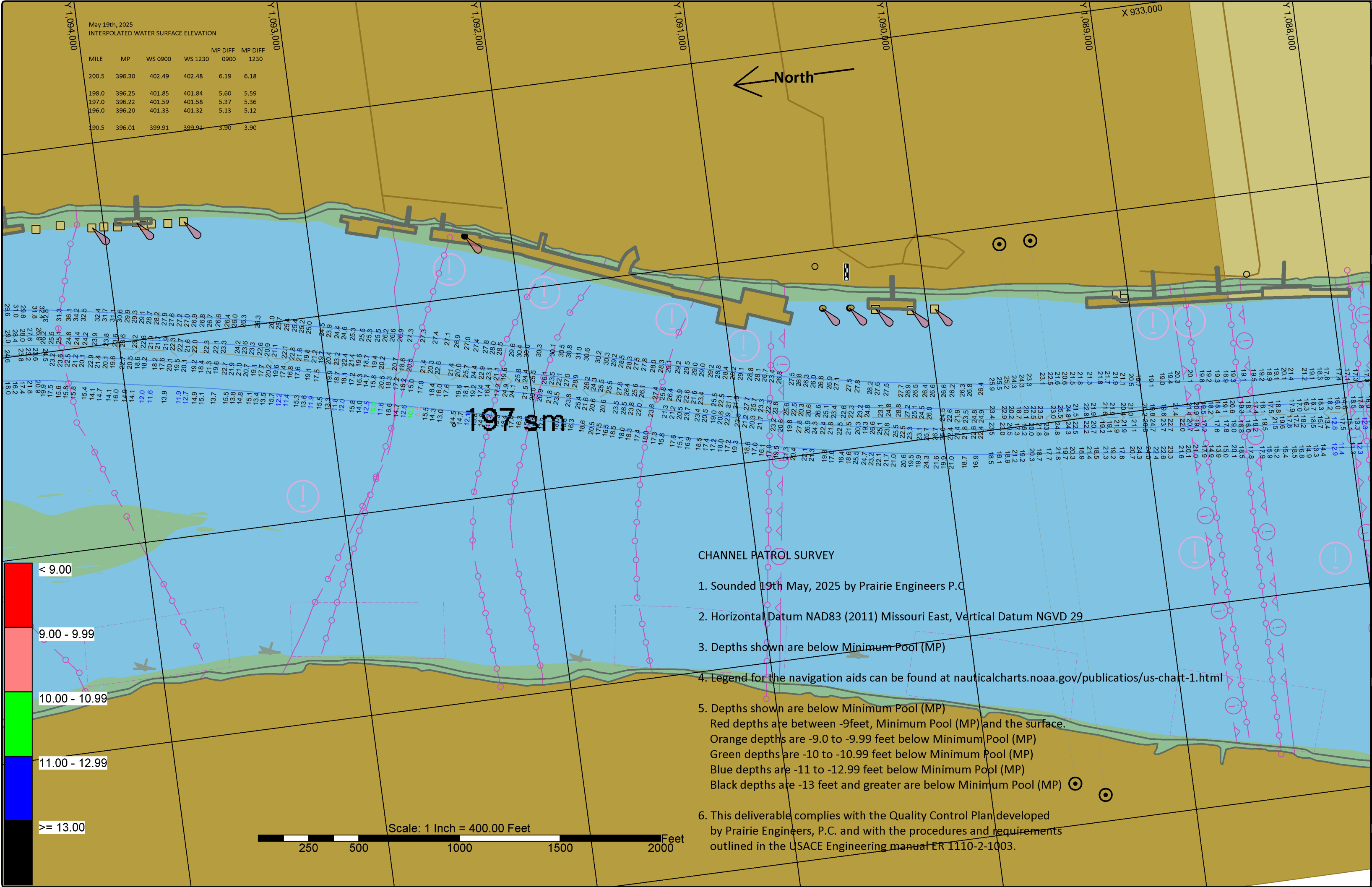
SURVEYED BY
PRAIRIE ENGINEERS, P.C.
404 N. MAIN STREET
COLUMBIA, IL 62236

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

SHEET 84

84 of 89





- CHANNEL PATROL SURVEY
1. Sounded 19th May, 2025 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/publications/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 May 2025

Chain of rocks @ 09:00hr = 86.0ft; @ 12:30hr = 86.0ft

Melprice(TW) @ 09:00hr = 7.0ft; @ 12:30hr = 7.0ft

DATES OF SURVEY:

May 19th 2025

FILE NO.:

REQUEST NO.:

SCALE:

ONE INCH = 400 FEET

FIELD BOOKS:

Approved: Aledhoro Nkem
DEPUTY CHIEF OF SURVEY

Approved: Chris Groleau
CIVIL ENGINEERING TECHNICIAN

Approved: Roger Baty
ASST. CHIEF OF SURVEY

Approved: Tristan Harper
CHIEF OF SURVEY

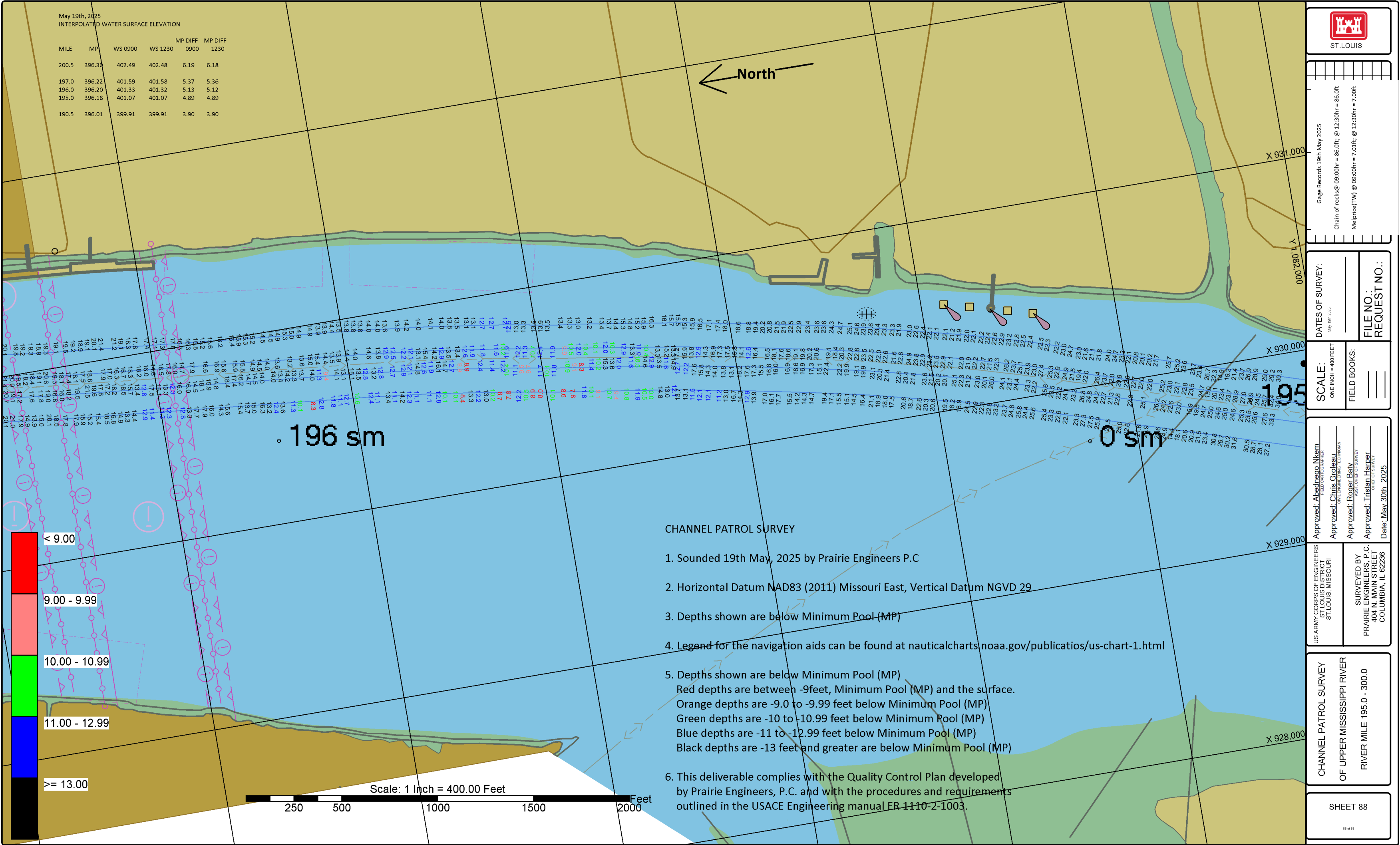
Date: May 30th 2025

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 87



ST. LOUIS

Gage records 19th May 2025

Chain of rocks @ 09:00hr = 86.0ft; @ 12:30hr = 86.0ft

Melprice(TW) @ 09:00hr = 7.01ft; @ 12:30hr = 7.00ft

DATES OF SURVEY:

May 19th 2025

SCALE:

ONE INCH = 400 FEET

FILE NO.:

REQUEST NO.:

Approved: Aledhoro Nkomo
DEPUTY CHIEF OF SURVEY

Approved: Chris Groleau
CIVIL ENGINEERING TECHNICIAN

Approved: Roger Baty
ASST CHIEF OF SURVEY

Approved: Tristan Harper
CHIEF OF SURVEY

Date: May 30th 2025

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 88