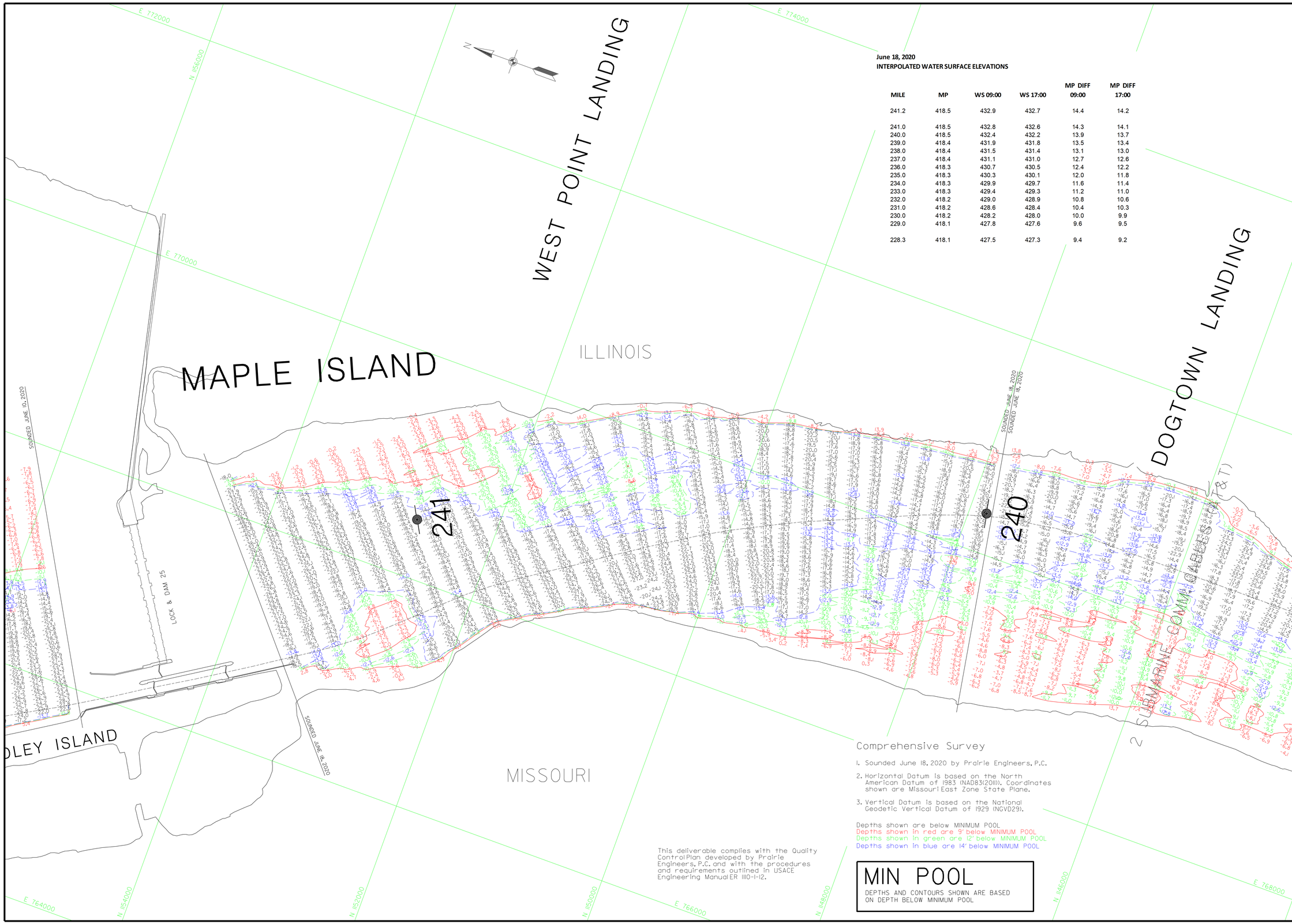


June 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MP DIFF 09:00	MP DIFF 17:00
241.2	418.5	432.9	432.7	14.4	14.2
241.0	418.5	432.8	432.6	14.3	14.1
240.0	418.5	432.4	432.2	13.9	13.7
239.0	418.4	431.9	431.8	13.5	13.4
238.0	418.4	431.5	431.4	13.1	13.0
237.0	418.4	431.1	431.0	12.7	12.6
236.0	418.3	430.7	430.5	12.4	12.2
235.0	418.3	430.3	430.1	12.0	11.8
234.0	418.3	429.9	429.7	11.6	11.4
233.0	418.3	429.4	429.3	11.2	11.0
232.0	418.2	429.0	428.9	10.8	10.6
231.0	418.2	428.6	428.4	10.4	10.3
230.0	418.2	428.2	428.0	10.0	9.9
229.0	418.1	427.8	427.6	9.6	9.5
228.3	418.1	427.5	427.3	9.4	9.2

Comprehensive Survey

1. Sounded June 18, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

MIN POOL

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MINIMUM POOL

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	L&D 25 (IL)	DIXON LANDING
ZERO N.G.V.D.		407.0	410.6
MILE		24.2	228.3
MIN POOL		418.5	418.1
	18 JUNE 2020	432.9 (09:00) 432.7 (17:00)	427.5 (09:00) 427.3 (17:00)

Survey Date: June 18, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name:
5m10.24.20.mo.dgn
Plot date: 7-7-2020
Plot scale: 1"=400'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLM
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

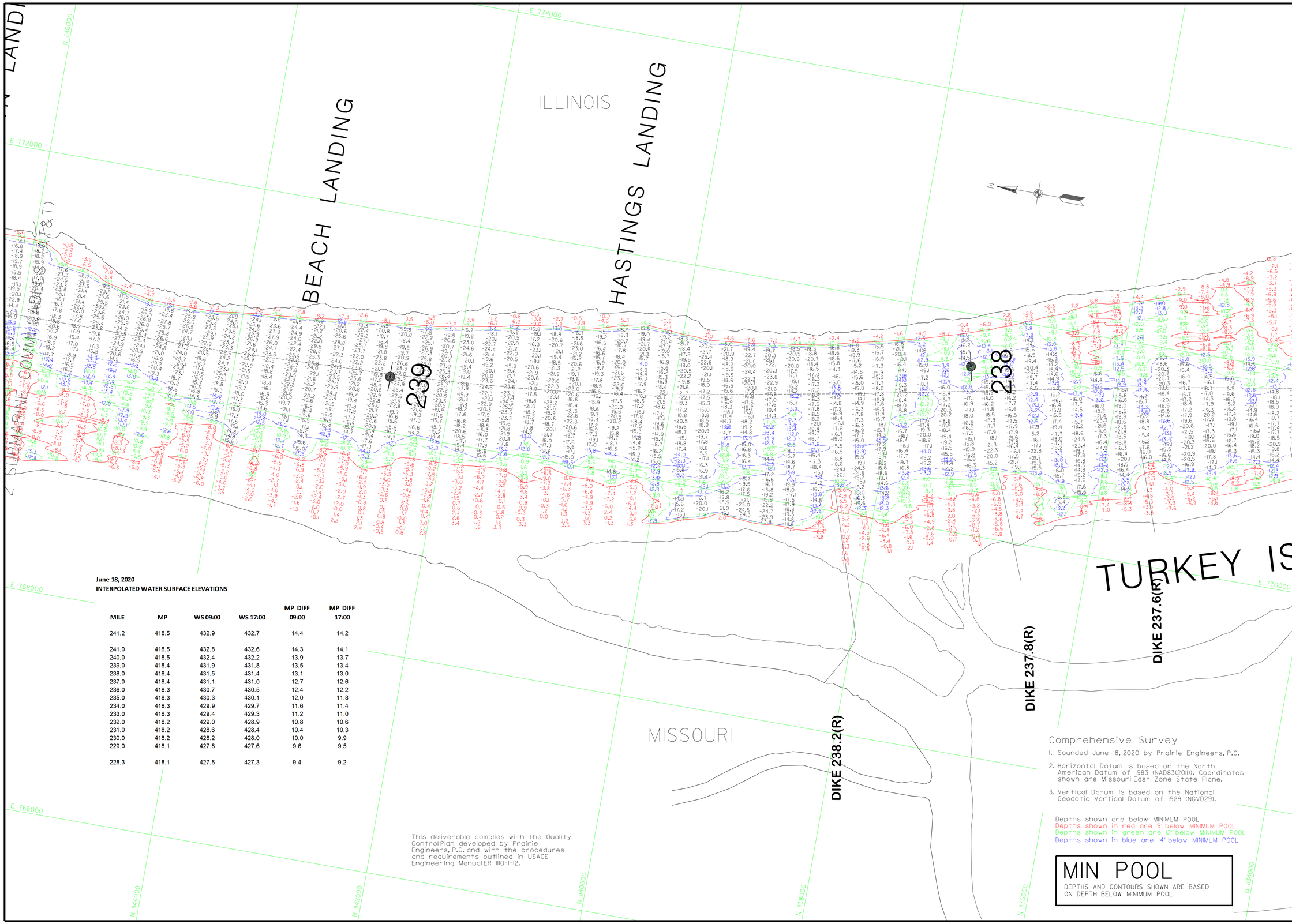
UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS 120 0 120 240
800 FEET 400 0 400 800

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

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
30



June 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MP DIFF 09:00	MP DIFF 17:00
241.2	418.5	432.9	432.7	14.4	14.2
241.0	418.5	432.8	432.6	14.3	14.1
240.0	418.5	432.4	432.2	13.9	13.7
239.0	418.4	431.9	431.8	13.5	13.4
238.0	418.4	431.5	431.4	13.1	13.0
237.0	418.4	431.1	431.0	12.7	12.6
236.0	418.3	430.7	430.5	12.4	12.2
235.0	418.3	430.3	430.1	12.0	11.8
234.0	418.3	429.9	429.7	11.6	11.4
233.0	418.3	429.4	429.3	11.2	11.0
232.0	418.2	429.0	428.9	10.8	10.6
231.0	418.2	428.6	428.4	10.4	10.3
230.0	418.2	428.2	428.0	10.0	9.9
229.0	418.1	427.8	427.6	9.6	9.5
228.3	418.1	427.5	427.3	9.4	9.2

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Comprehensive Survey

1. Sounded June 18, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

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

US Army Corps of Engineers
St. Louis District

GAGE RECORD		
	L&D 25 (IL)	DIXON LANDING
WATER SURFACE		
ZERO N.G.V.D.	407.0	410.6
MILE	24.2	228.3
MIN POOL	418.5	418.1
18 JUNE 2020	432.9 /09:00 432.7 /17:00	427.5 /09:00 427.3 /17:00

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLM
Ckd by: DEF
Reviewed by:
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: sm13.24.20.mcdgn
Project: 2020 Survey
Plot scale: 1"=400'
Survey Dates: June 18, 2020
APPROVED: Chief, Geospatial Branch

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS 800 FEET
120 400
0 0
120 400

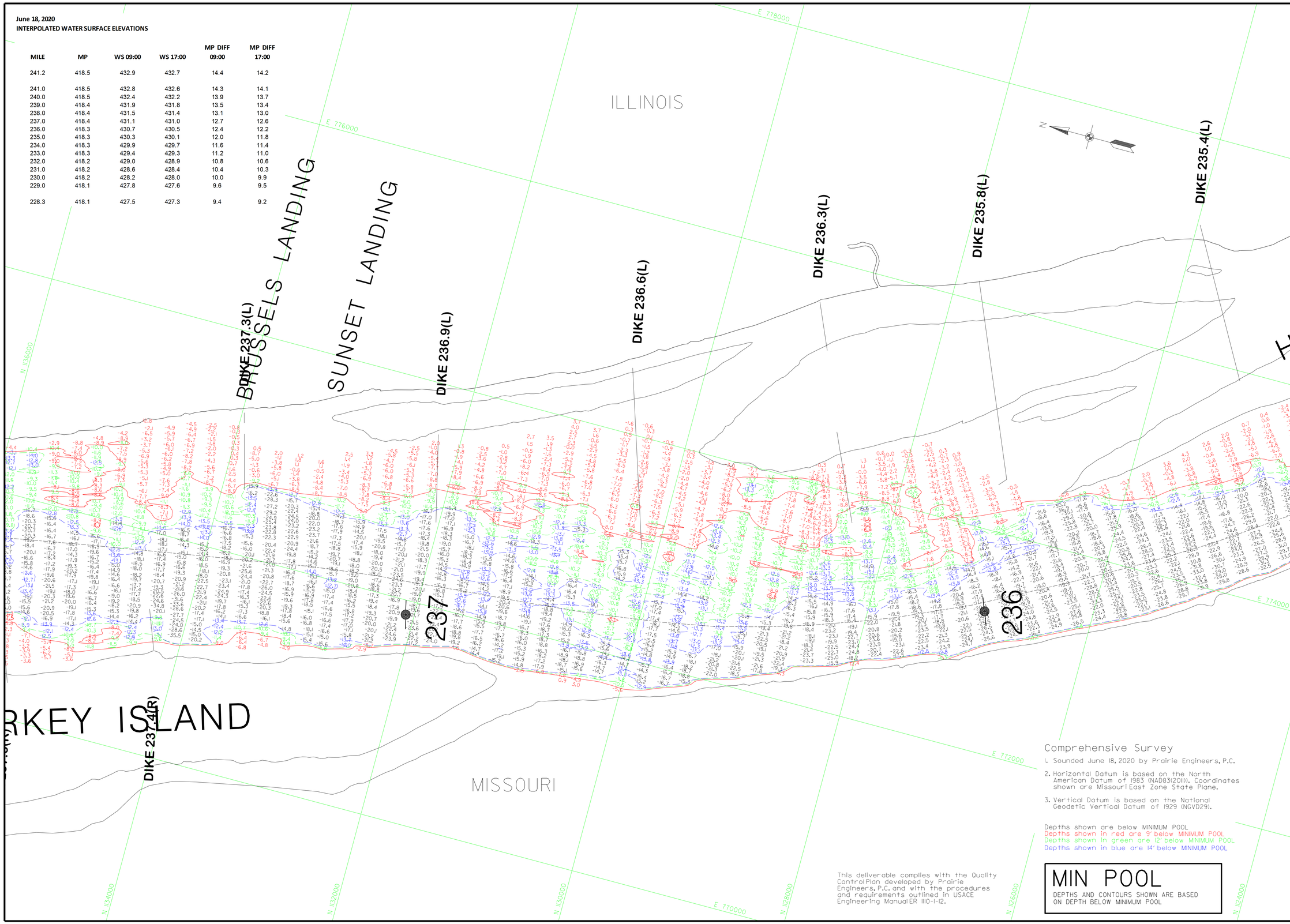
THE NECESSARY DEPTHS ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME OF SURVEY AND ARE BASED ON AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
31

June 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MP DIFF 09:00	MP DIFF 17:00
241.2	418.5	432.9	432.7	14.4	14.2
241.0	418.5	432.8	432.6	14.3	14.1
240.0	418.5	432.4	432.2	13.9	13.7
239.0	418.4	431.9	431.8	13.5	13.4
238.0	418.4	431.5	431.4	13.1	13.0
237.0	418.4	431.1	431.0	12.7	12.6
236.0	418.3	430.7	430.5	12.4	12.2
235.0	418.3	430.3	430.1	12.0	11.8
234.0	418.3	429.9	429.7	11.6	11.4
233.0	418.3	429.4	429.3	11.2	11.0
232.0	418.2	429.0	428.9	10.8	10.6
231.0	418.2	428.6	428.4	10.4	10.3
230.0	418.2	428.2	428.0	10.0	9.9
229.0	418.1	427.8	427.6	9.6	9.5
228.3	418.1	427.5	427.3	9.4	9.2



US Army Corps of Engineers
St. Louis District

ZERO N.G.V.D.	WATER SURFACE	GAGE RECORD L&D 25 (L)	DIXON LANDING
MILE		407.0	410.6
		24.2	228.3
MIN POOL		48.5	418.1
	18 JUNE 2020	432.9 (09:00)	427.5 (09:00)
		432.7 (17:00)	427.3 (17:00)

Survey Dates: June 18, 2020

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File names
SM32.24.20L.mo.dgn
Plot date: 7-7-2020
Plot scale: 1"=400'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLM
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

UPPER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER

Comprehensive Survey

1. Sounded June 18, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

MIN POOL

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MINIMUM POOL

240 METERS 120 0 120 240
800 FEET 400 0 400 800

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE ON THE DATE INDICATED AND IS ONLY REPRESENTATIVE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
32

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Comprehensive Survey

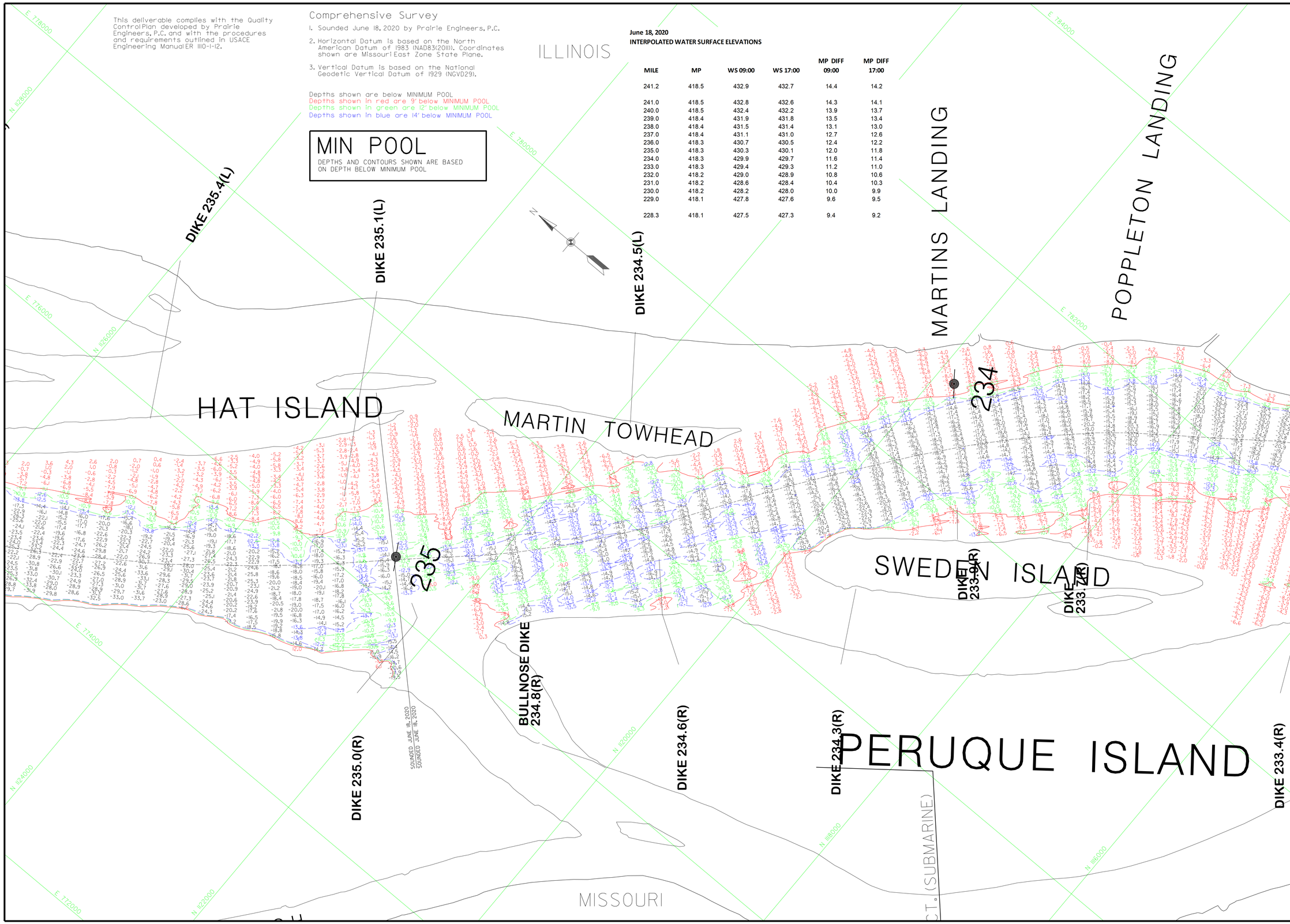
1. Sounded June 18, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

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

June 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MP DIFF 09:00	MP DIFF 17:00
241.2	418.5	432.9	432.7	14.4	14.2
241.0	418.5	432.8	432.6	14.3	14.1
240.0	418.5	432.4	432.2	13.9	13.7
239.0	418.4	431.9	431.8	13.5	13.4
238.0	418.4	431.5	431.4	13.1	13.0
237.0	418.4	431.1	431.0	12.7	12.6
236.0	418.3	430.7	430.5	12.4	12.2
235.0	418.3	430.3	430.1	12.0	11.8
234.0	418.3	429.9	429.7	11.6	11.4
233.0	418.3	429.4	429.3	11.2	11.0
232.0	418.2	429.0	428.9	10.8	10.6
231.0	418.2	428.6	428.4	10.4	10.3
230.0	418.2	428.2	428.0	10.0	9.9
229.0	418.1	427.8	427.6	9.6	9.5
228.3	418.1	427.5	427.3	9.4	9.2



US Army Corps of Engineers
St. Louis District

GAGE RECORD		
WATER SURFACE	L&D 25 (L)	DIXON LANDING
ZERO N.G.V.D.	407.0	410.6
MILE	24.2	228.3
MIN POOL	418.5	418.1
18 JUNE 2020	432.9 (09:00) 432.7 (17:00)	427.5 (09:00) 427.3 (17:00)

Survey Date: June 18, 2020

SUBMITTED: Chief, Engr. Data Mngt. Sect.

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLM
Ckd by: DEF
Reviewed by:
File name: sm13.24.20.inc.dgn
Plot date: 7-20-2020
Plot scale: 1"=400'

APPROVED: Chief, Geospatial Branch

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS 120 0 400 800 FEET

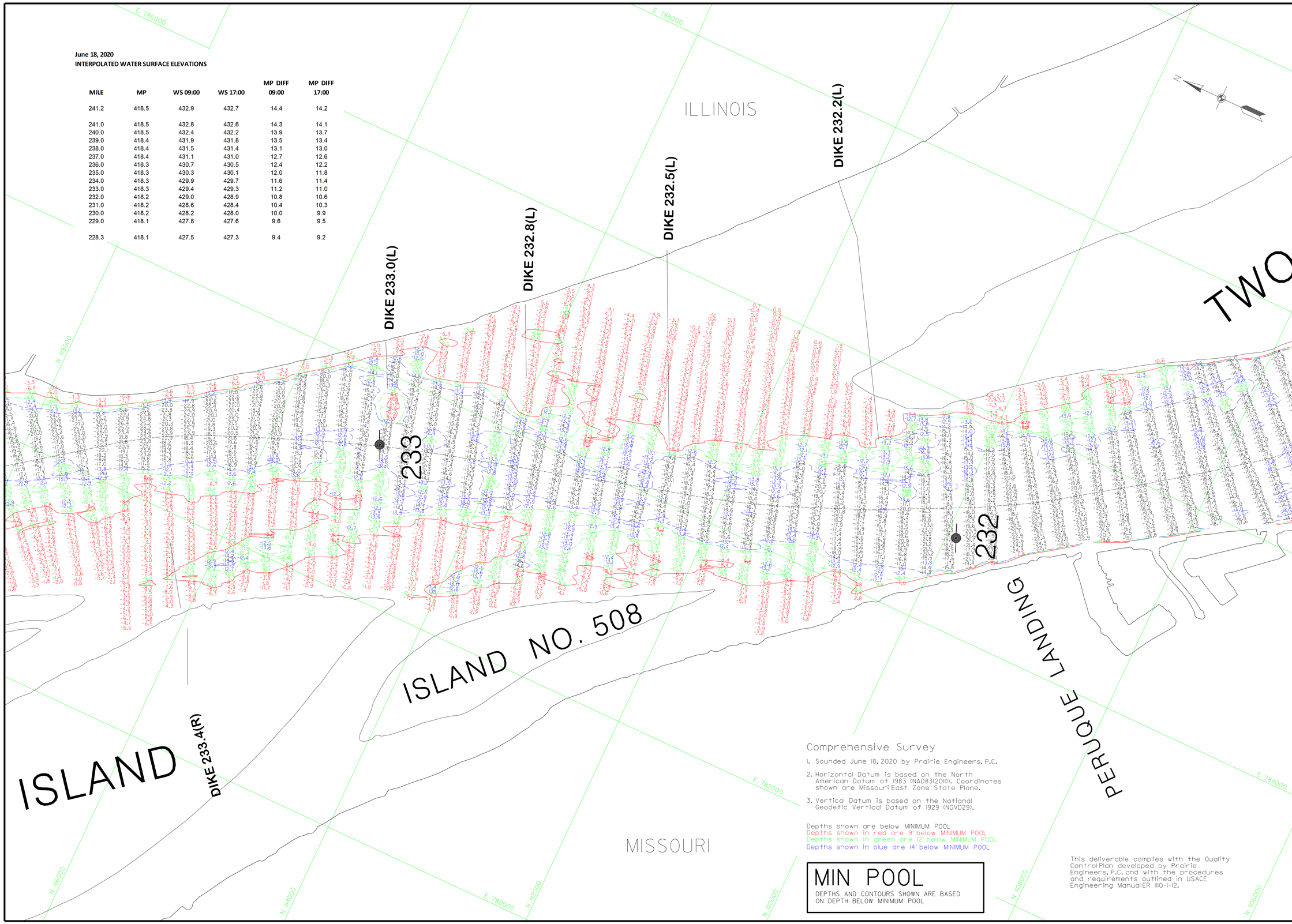
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME AND DATE INDICATED AND REPRESENTS THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
33

June 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MP DIFF 09:00	MP DIFF 17:00
241.2	418.5	432.9	432.7	14.4	14.2
241.0	418.5	432.8	432.6	14.3	14.1
240.0	418.5	432.4	432.2	13.9	13.7
239.0	418.4	431.9	431.8	13.5	13.4
238.0	418.4	431.5	431.4	13.1	13.0
237.0	418.4	431.1	431.0	12.7	12.6
236.0	418.3	430.7	430.5	12.4	12.2
235.0	418.3	430.3	430.1	12.0	11.8
234.0	418.3	429.9	429.7	11.6	11.4
233.0	418.3	429.4	429.3	11.2	11.0
232.0	418.2	429.0	428.9	10.8	10.6
231.0	418.2	428.6	428.4	10.4	10.3
230.0	418.2	428.2	428.0	10.0	9.9
229.0	418.1	427.8	427.6	9.6	9.5
228.3	418.1	427.5	427.3	9.4	9.2



Comprehensive Survey

1. Sounded June 18, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

MIN POOL

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MINIMUM POOL

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

US Army Corps of Engineers
St. Louis District

WATER SURFACE		GAGE RECORD	
ZERO N.G.V.D.		L&D 25 (IL)	DIXON LANDING
MILE		407.0	410.6
		24.2	228.3
MIN POOL		418.5	418.1
18 JUN 2020		432.9 (09:00)	427.5 (09:00)
		432.7 (17:00)	427.3 (17:00)

Survey Date: June 18, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: sm14.24.20.mo.dgn
Date: 7-20-2020
Plot scale: 1"=400'

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

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

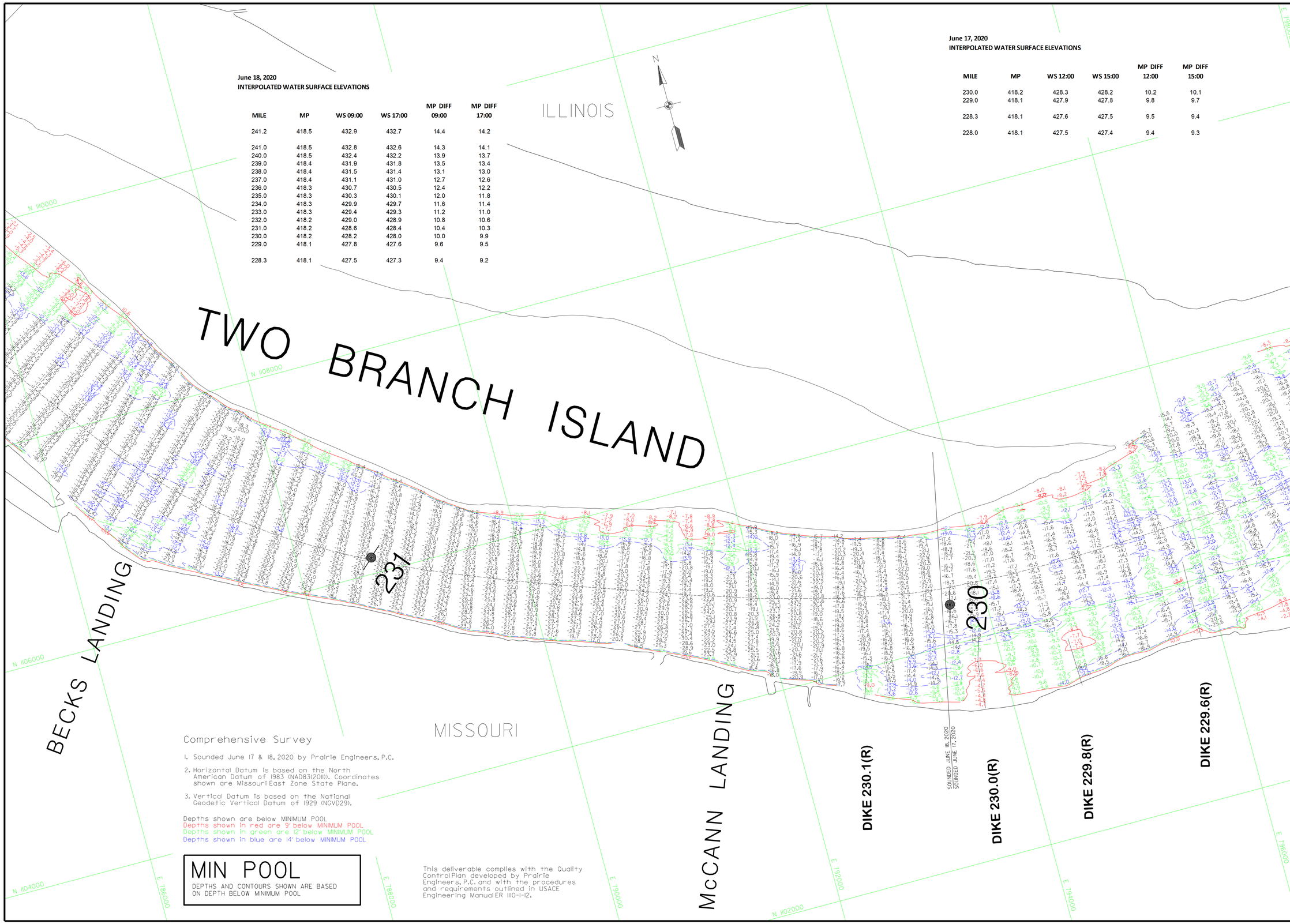
UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS
800 FEET
120 0 120 400
120 400

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND ARE ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
34



June 18, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MP DIFF 09:00	MP DIFF 17:00
241.2	418.5	432.9	432.7	14.4	14.2
241.0	418.5	432.8	432.6	14.3	14.1
240.0	418.5	432.4	432.2	13.9	13.7
239.0	418.4	431.9	431.8	13.5	13.4
238.0	418.4	431.5	431.4	13.1	13.0
237.0	418.4	431.1	431.0	12.7	12.6
236.0	418.3	430.7	430.5	12.4	12.2
235.0	418.3	430.3	430.1	12.0	11.8
234.0	418.3	429.9	429.7	11.6	11.4
233.0	418.3	429.4	429.3	11.2	11.0
232.0	418.2	429.0	428.9	10.8	10.6
231.0	418.2	428.6	428.4	10.4	10.3
230.0	418.2	428.2	428.0	10.0	9.9
229.0	418.1	427.8	427.6	9.6	9.5
228.3	418.1	427.5	427.3	9.4	9.2

June 17, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 15:00	MP DIFF 12:00	MP DIFF 15:00
230.0	418.2	428.3	428.2	10.2	10.1
229.0	418.1	427.9	427.8	9.8	9.7
228.3	418.1	427.6	427.5	9.5	9.4
228.0	418.1	427.5	427.4	9.4	9.3

Comprehensive Survey

1. Sounded June 17 & 18, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

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

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

US Army Corps of Engineers
St. Louis District

GAGE RECORD		
WATER SURFACE	L&D 25 (IL)	DIXON LANDING
ZERO N.G.V.D.	407.0	410.6
MILE	24.2	228.3
MIN POOL	418.5	418.1
17 JUNE 2020	433.0 (12:00)	427.6 (12:00)
	433.0 (15:00)	427.5 (15:00)

Survey Dates: June 17, 2020
June 18, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name:
SH35_24_20L.mu.dgn
Plot date: 7 July 2020
Plot scale: 1"=400'

Surveyed by:
PRAIRIE ENGINEERS

Drawn by: JLM
Ckd by: DEF

Reviewed by:

APPROVED:
Chief, Geospatial Branch

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

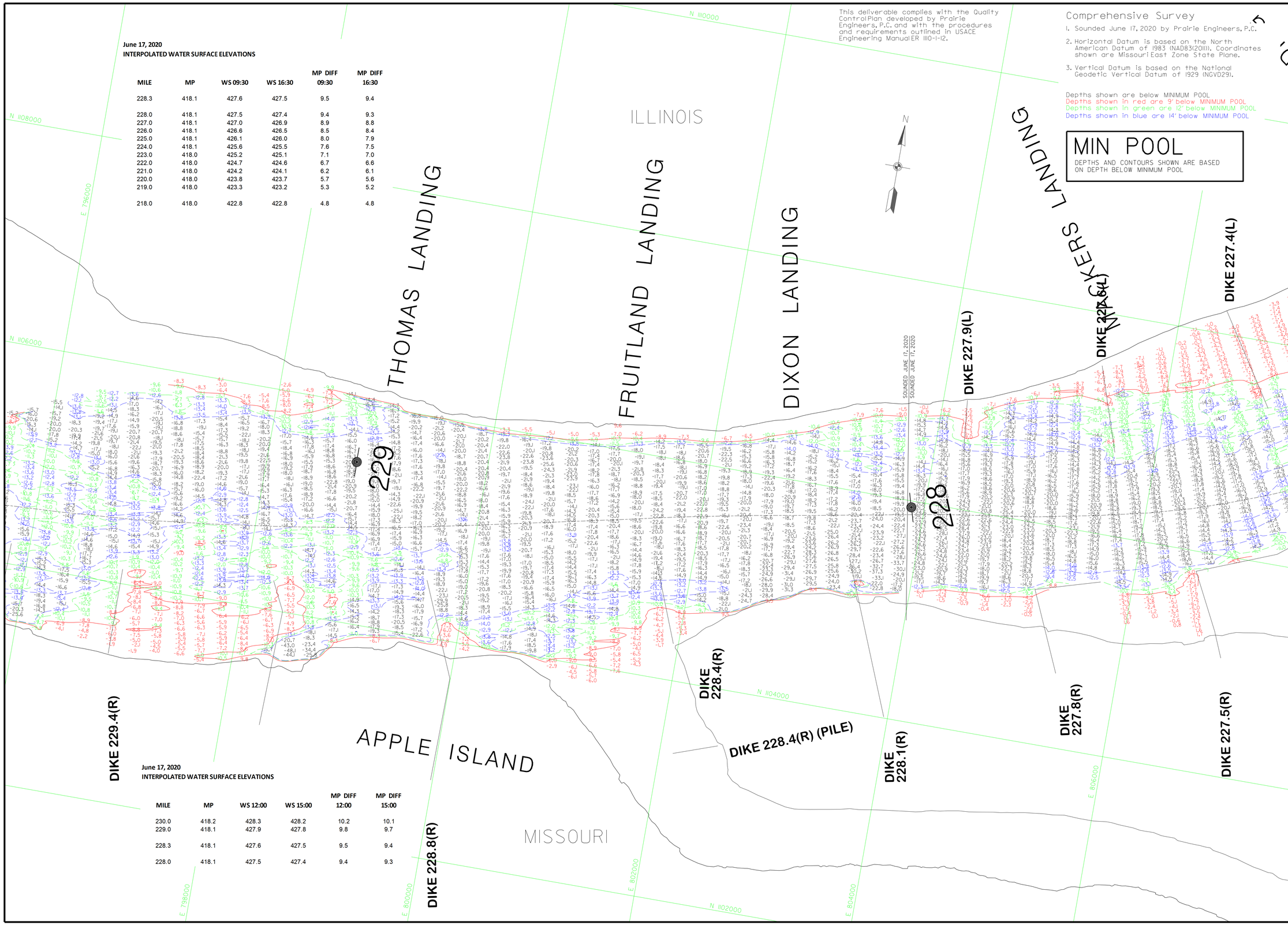
UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS
800 FEET
120 0 120 400
0 400 800

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

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
35



June 17, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:30	WS 16:30	MP DIFF 09:30	MP DIFF 16:30
228.3	418.1	427.6	427.5	9.5	9.4
228.0	418.1	427.5	427.4	9.4	9.3
227.0	418.1	427.0	426.9	8.9	8.8
226.0	418.1	426.6	426.5	8.5	8.4
225.0	418.1	426.1	426.0	8.0	7.9
224.0	418.1	425.6	425.5	7.6	7.5
223.0	418.0	425.2	425.1	7.1	7.0
222.0	418.0	424.7	424.6	6.7	6.6
221.0	418.0	424.2	424.1	6.2	6.1
220.0	418.0	423.8	423.7	5.7	5.6
219.0	418.0	423.3	423.2	5.3	5.2
218.0	418.0	422.8	422.8	4.8	4.8

June 17, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 12:00	WS 15:00	MP DIFF 12:00	MP DIFF 15:00
230.0	418.2	428.3	428.2	10.2	10.1
229.0	418.1	427.9	427.8	9.8	9.7
228.3	418.1	427.6	427.5	9.5	9.4
228.0	418.1	427.5	427.4	9.4	9.3

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Comprehensive Survey

1. Sounded June 17, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

MIN POOL

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MINIMUM POOL

US Army Corps of Engineers
St. Louis District

GAGE RECORD		
		DIXON LANDING
WATER SURFACE	L&D 25 (L)	410.6
ZERO N.G.V.D.	407.0	
MILE	24.2	228.3
MIN POOL	418.5	418.1
17 JUNE 2020	433.0 (12:00)	427.6 (12:00)
	433.0 (15:00)	427.5 (15:00)

Survey Dates: June 17, 2020

SUBMITTED: Chief, Engr. Data Mngt. Sect.

File name: Sn136.24.20.mo.dgn
Date: 24 JUNE 2020
Plot scale: 1"=400'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLM
Ckd by: DEF
Reviewed by:
APPROVED: Chief, DesignBranch

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

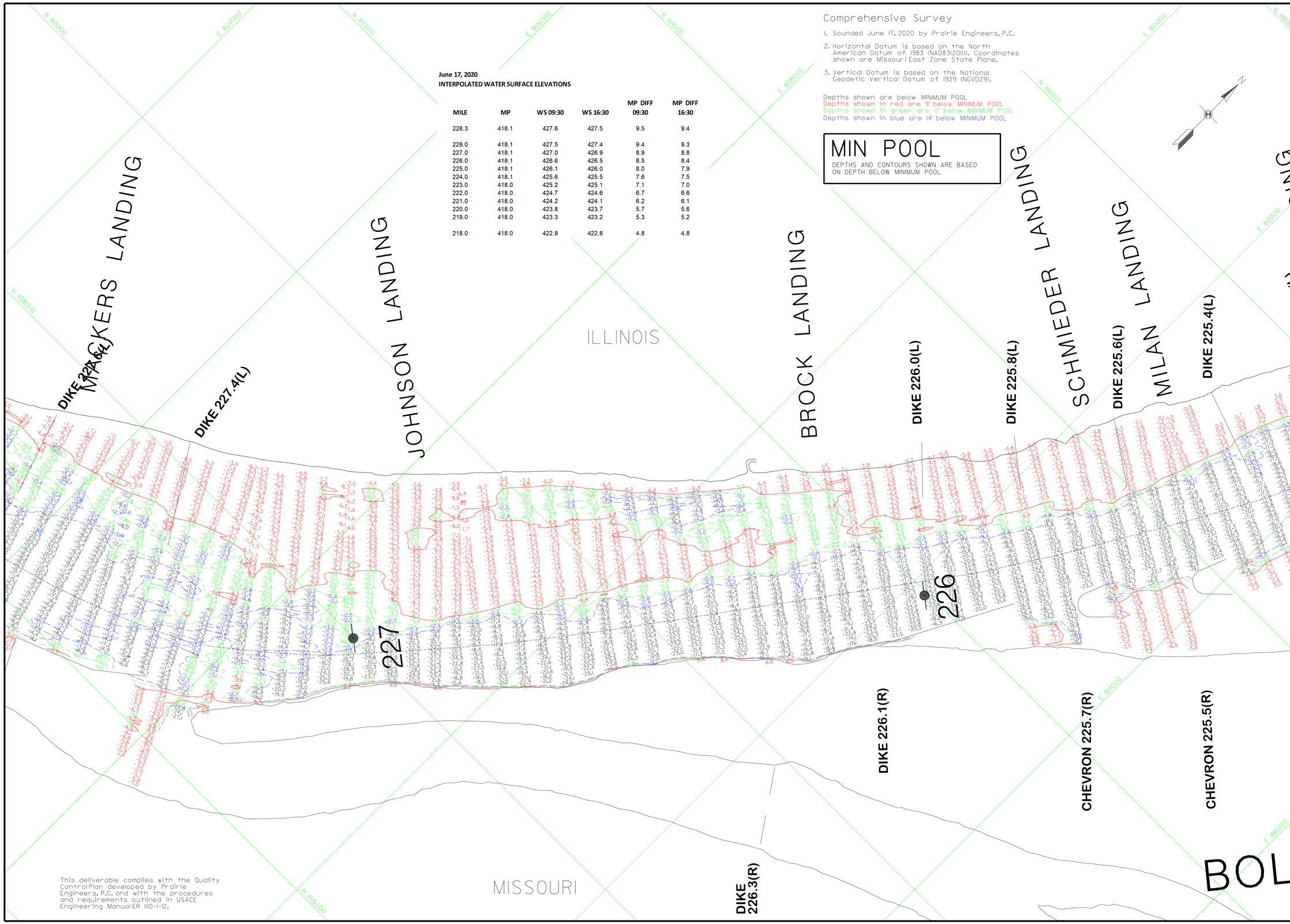
UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS 120 0 120 400 800 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED. THE DATA IS PRESENTED AS ACCURATE AS POSSIBLE BASED ON THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
36



June 17, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:30	WS 16:30	MP DIFF 09:30	MP DIFF 16:30
228.3	418.1	427.6	427.5	9.5	9.4
228.0	418.1	427.5	427.4	9.4	9.3
227.0	418.1	427.0	426.9	8.9	8.8
226.0	418.1	426.6	426.5	8.5	8.4
225.0	418.1	426.1	426.0	8.0	7.9
224.0	418.1	425.6	425.5	7.6	7.5
223.0	418.0	425.2	425.1	7.1	7.0
222.0	418.0	424.7	424.6	6.7	6.6
221.0	418.0	424.2	424.1	6.2	6.1
220.0	418.0	423.8	423.7	5.7	5.6
219.0	418.0	423.3	423.2	5.3	5.2
218.0	418.0	422.8	422.8	4.8	4.8

Comprehensive Survey

1. Sounded June 17, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

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

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

US Army Corps of Engineers
St. Louis District

GAGE RECORD		
WATER SURFACE	DIXON LANDING	GRAFTON
ZERO N.G.V.D.	410.6	403.8
MILE	228.3	218.0
MIN POOL	418.1	418.0
17 JUN 2020	427.6 (09:30) 427.5 (16:30)	422.8 (09:30) 422.8 (16:30)

Survey Date: June 17, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: sm17-24.20.mo.dgn
Plot date: 7-7-2020
Plot scale: 1:400'

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

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS
800 FEET
0 120 400

SINCE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE POSITIONS OF THE RIVER BANKS AND ISLANDS AS SURVEYED, IT MAY NOT REFLECT AS MUCH AS THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
37

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Comprehensive Survey

1. Sounded June 17, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

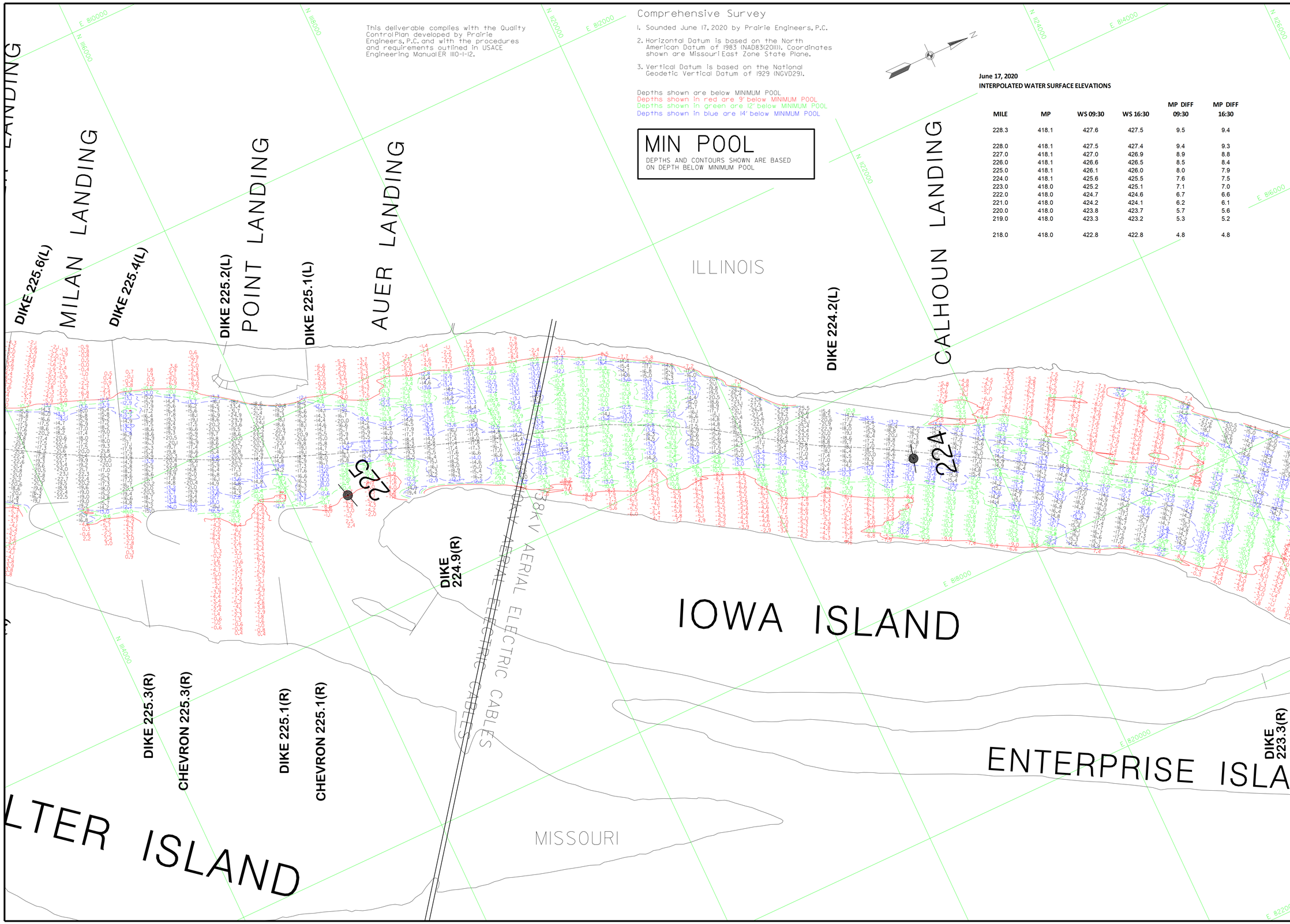
Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

MIN POOL

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MINIMUM POOL

June 17, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:30	WS 16:30	MP DIFF 09:30	MP DIFF 16:30
228.3	418.1	427.6	427.5	9.5	9.4
228.0	418.1	427.5	427.4	9.4	9.3
227.0	418.1	427.0	426.9	8.9	8.8
226.0	418.1	426.6	426.5	8.5	8.4
225.0	418.1	426.1	426.0	8.0	7.9
224.0	418.1	425.6	425.5	7.6	7.5
223.0	418.0	425.2	425.1	7.1	7.0
222.0	418.0	424.7	424.6	6.7	6.6
221.0	418.0	424.2	424.1	6.2	6.1
220.0	418.0	423.8	423.7	5.7	5.6
219.0	418.0	423.3	423.2	5.3	5.2
218.0	418.0	422.8	422.8	4.8	4.8



US Army Corps of Engineers
St. Louis District

GAGE RECORD		
WATER SURFACE	DIXON LANDING	GRAFTON
ZERO N.G.V.D.	410.6	403.8
MILE	228.3	298.0
MIN POOL	418.1	418.0
17 JUN 2020	427.6 (09:30) 427.5 (16:30)	422.8 (09:30) 422.8 (16:30)

Survey Dates: June 17, 2020

Surveyed by: PRAIRIE ENGINEERS	SUBMITTED: Chief, Engr. Data Mngt. Sect.
Drawn by: BJB Ckd by: DEF	File name: Sm18.24.20.mo.dgn Plot date: 17 Jun 2020 Plot scale: 1:400'
Reviewed by:	
APPROVED: Chief, Geospatial Branch	

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

120 0 120 240 METERS
400 0 400 800 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE SHOWN. THE RESULTS ARE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
38

Comprehensive Survey

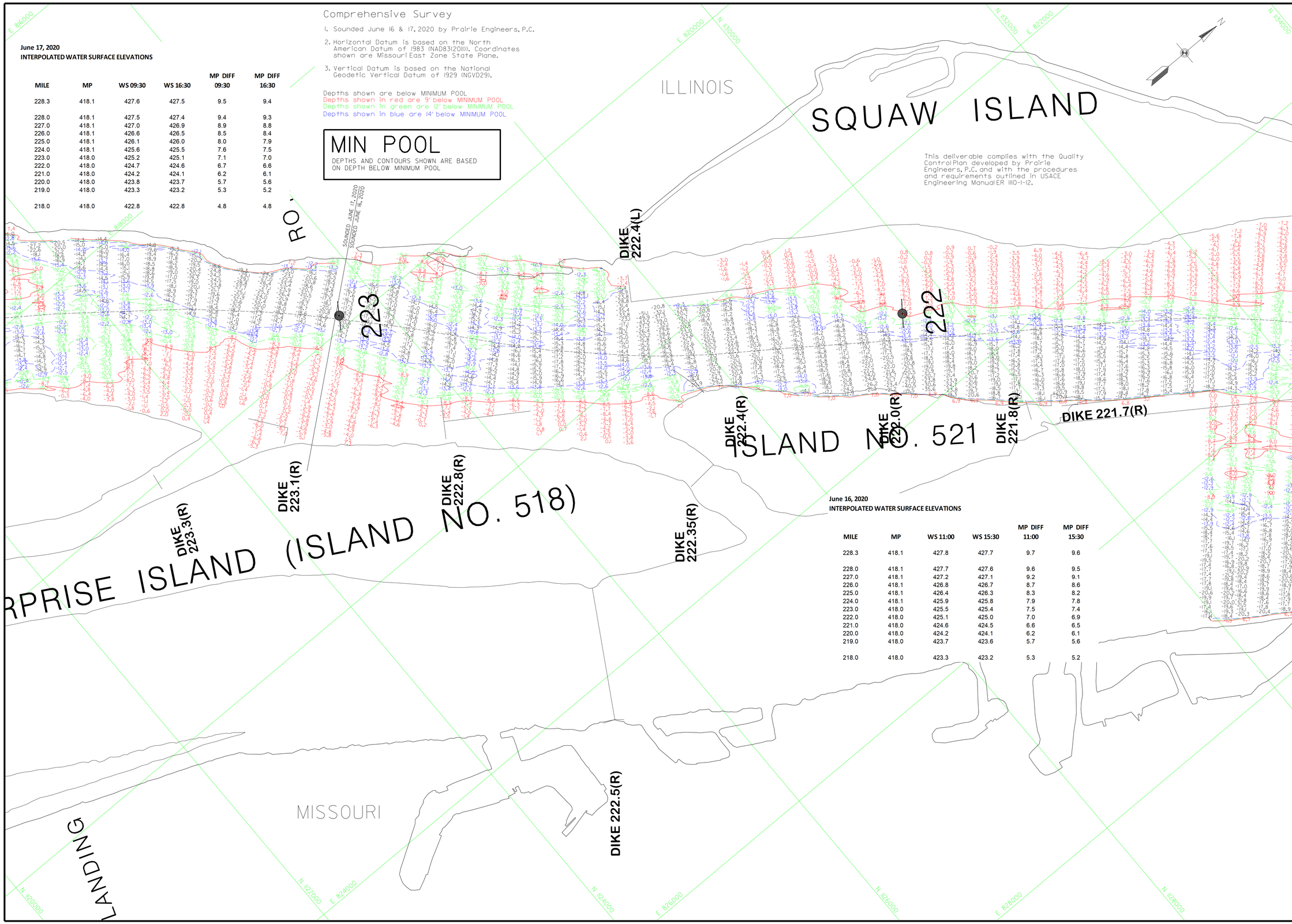
1. Sounded June 16 & 17, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

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

June 17, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:30	WS 16:30	MP DIFF 09:30	MP DIFF 16:30
228.3	418.1	427.6	427.5	9.5	9.4
228.0	418.1	427.5	427.4	9.4	9.3
227.0	418.1	427.0	426.9	8.9	8.8
226.0	418.1	426.6	426.5	8.5	8.4
225.0	418.1	426.1	426.0	8.0	7.9
224.0	418.1	425.6	425.5	7.6	7.5
223.0	418.0	425.2	425.1	7.1	7.0
222.0	418.0	424.7	424.6	6.7	6.6
221.0	418.0	424.2	424.1	6.2	6.1
220.0	418.0	423.8	423.7	5.7	5.6
219.0	418.0	423.3	423.2	5.3	5.2
218.0	418.0	422.8	422.8	4.8	4.8



June 16, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 11:00	WS 15:30	MP DIFF 11:00	MP DIFF 15:30
228.3	418.1	427.8	427.7	9.7	9.6
228.0	418.1	427.7	427.6	9.6	9.5
227.0	418.1	427.2	427.1	9.2	9.1
226.0	418.1	426.8	426.7	8.7	8.6
225.0	418.1	426.4	426.3	8.3	8.2
224.0	418.1	425.9	425.8	7.9	7.8
223.0	418.0	425.5	425.4	7.5	7.4
222.0	418.0	425.1	425.0	7.0	6.9
221.0	418.0	424.6	424.5	6.6	6.5
220.0	418.0	424.2	424.1	6.2	6.1
219.0	418.0	423.7	423.6	5.7	5.6
218.0	418.0	423.3	423.2	5.3	5.2

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	DIXON LANDING	GRAFTON
ZERO N.G.V.D.		410.6	403.8
MILE		228.3	218.0
MIN POOL		418.1	418.0
	16 JUN 2020	427.8 (1100)	423.3 (1600)
		427.7 (1530)	423.2 (1530)

Survey Dates: June 16-2020 June 17, 2020
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File names: 5m19_2_4_20_mo.dgn
Date: 2020/06/24 14:29:20
Plot scale: 1:400

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

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS
800 FEET
120 0 120 400
0 400

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME SHOWN. THE REGULATOR AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
39

Comprehensive Survey

1. Sounded June 12 & 16, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

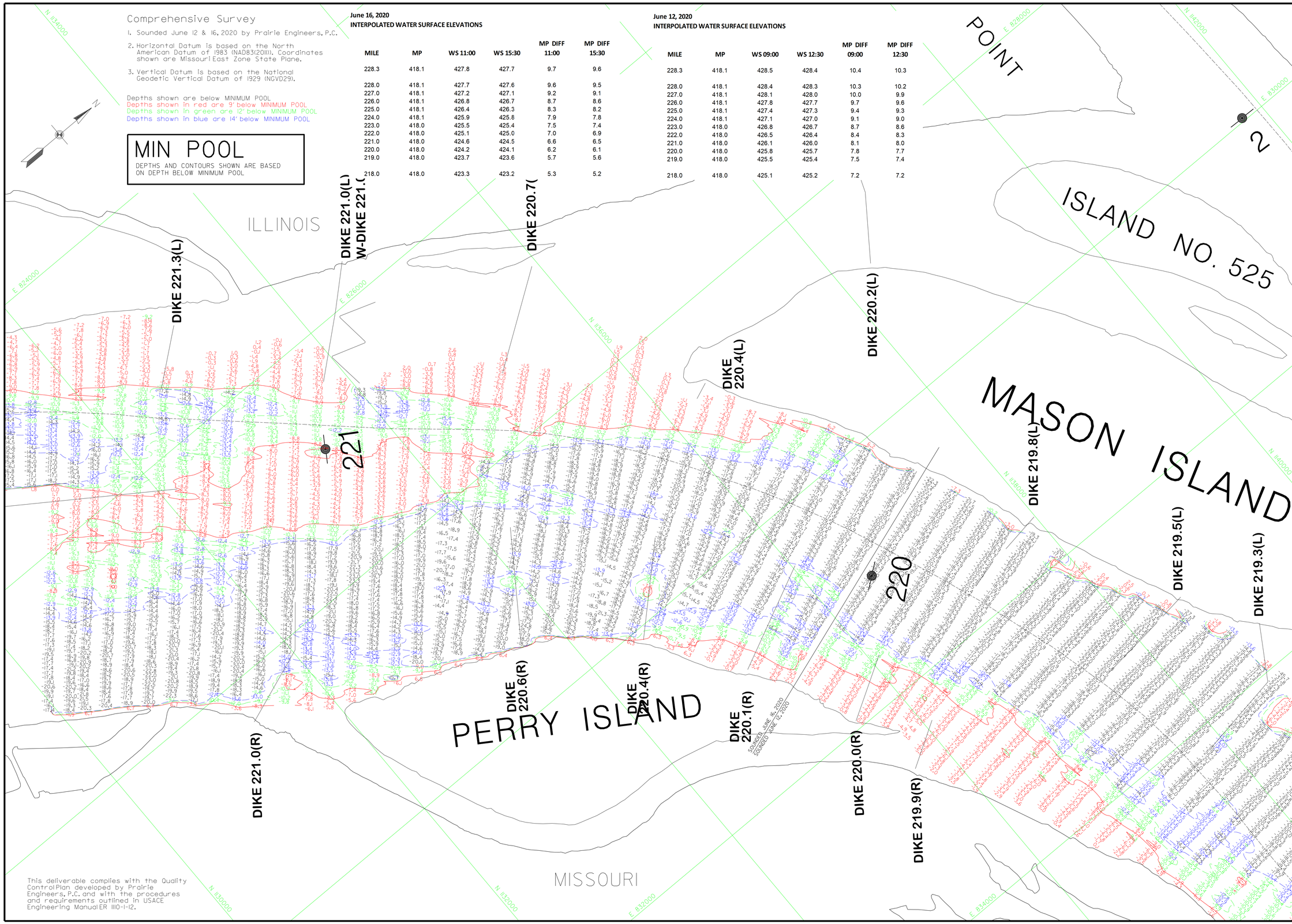
MIN POOL
DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MINIMUM POOL

June 16, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 11:00	WS 15:30	MP DIFF 11:00	MP DIFF 15:30
228.3	418.1	427.8	427.7	9.7	9.6
228.0	418.1	427.7	427.6	9.6	9.5
227.0	418.1	427.2	427.1	9.2	9.1
226.0	418.1	426.8	426.7	8.7	8.6
225.0	418.1	426.4	426.3	8.3	8.2
224.0	418.1	425.9	425.8	7.9	7.8
223.0	418.0	425.5	425.4	7.5	7.4
222.0	418.0	425.1	425.0	7.0	6.9
221.0	418.0	424.6	424.5	6.6	6.5
220.0	418.0	424.2	424.1	6.2	6.1
219.0	418.0	423.7	423.6	5.7	5.6
218.0	418.0	423.3	423.2	5.3	5.2

June 12, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 12:30	MP DIFF 09:00	MP DIFF 12:30
228.3	418.1	428.5	428.4	10.4	10.3
228.0	418.1	428.4	428.3	10.3	10.2
227.0	418.1	428.1	428.0	10.0	9.9
226.0	418.1	427.8	427.7	9.7	9.6
225.0	418.1	427.4	427.3	9.4	9.3
224.0	418.1	427.1	427.0	9.1	9.0
223.0	418.0	426.8	426.7	8.7	8.6
222.0	418.0	426.5	426.4	8.4	8.3
221.0	418.0	426.1	426.0	8.1	8.0
220.0	418.0	425.8	425.7	7.8	7.7
219.0	418.0	425.5	425.4	7.5	7.4
218.0	418.0	425.1	425.2	7.2	7.2



This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

US Army Corps of Engineers
St. Louis District

GAGE RECORD			
WATER SURFACE	DIXON LANDING	GRAFTON	
ZERO N.G.V.D.	410.6	403.8	
MILE	228.3	218.0	
MIN POOL	418.1	418.0	
16 JUN 2020	427.8 (15:00)	423.3 (15:00)	
	427.7 (15:30)	423.2 (15:30)	

Survey Dates: June 12, 2020 June 16, 2020
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: SH40_24_20_mo.dgn
Plot date: 7 July 2020
Plot scale: 1:400'

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

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

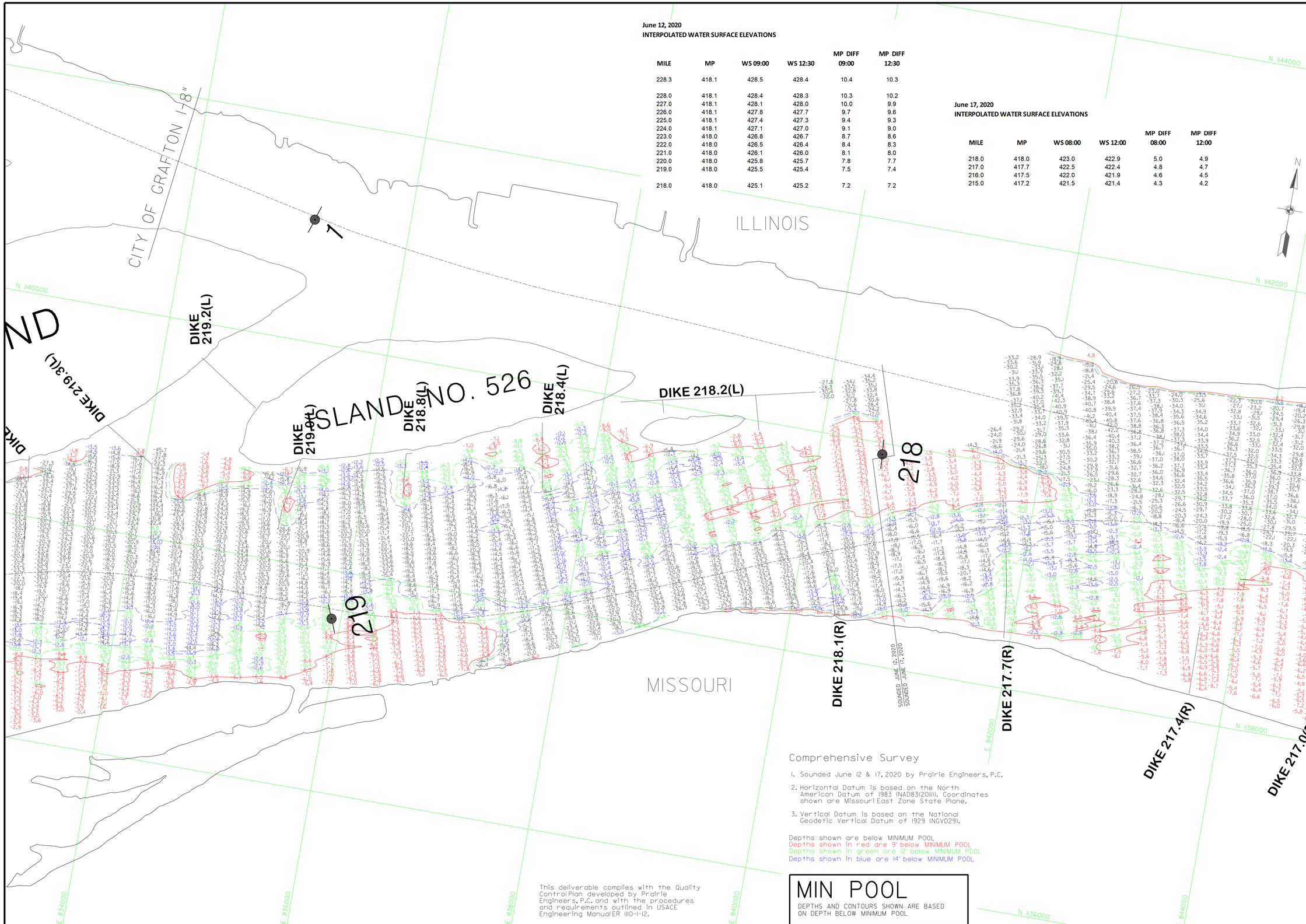
UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS 120 0 120 240
800 FEET 400 0 400 800

THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME SHOWN. THE DATA MAY NOT BE ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
40



June 12, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 12:30	MP DIFF 09:00	MP DIFF 12:30
228.3	418.1	428.5	428.4	10.4	10.3
228.0	418.1	428.4	428.3	10.3	10.2
227.0	418.1	428.1	428.0	10.0	9.9
226.0	418.1	427.8	427.7	9.7	9.6
225.0	418.1	427.4	427.3	9.4	9.3
224.0	418.1	427.1	427.0	9.1	9.0
223.0	418.0	426.8	426.7	8.7	8.6
222.0	418.0	426.5	426.4	8.4	8.3
221.0	418.0	426.1	426.0	8.1	8.0
220.0	418.0	425.8	425.7	7.8	7.7
219.0	418.0	425.5	425.4	7.5	7.4
218.0	418.0	425.1	425.2	7.2	7.2

June 17, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:00	WS 12:00	MP DIFF 08:00	MP DIFF 12:00
218.0	418.0	423.0	422.9	5.0	4.9
217.0	417.7	422.5	422.4	4.8	4.7
216.0	417.5	422.0	421.9	4.6	4.5
215.0	417.2	421.5	421.4	4.3	4.2

Comprehensive Survey

1. Sounded June 12 & 17, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

MIN POOL

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MINIMUM POOL

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	DIXON LANDING	GRAFTON
ZERO N.G.V.D.		410.6	403.8
MILE		228.3	218.0
MIN POOL		418.1	418.0
	12 JUN 2020	428.5 (09:00) 428.4 (12:30)	425.1 (09:00) 425.2 (12:30)

Survey Dates: June 17, 2020
June 12, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: SH14L26_20Lmpcdgn
Plot date: 7 Dec 2020
Plot scale: 1"=400'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: CKd by: DEF
Reviewed by: JLM
APPROVED: Chief, Geospatial Branch

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

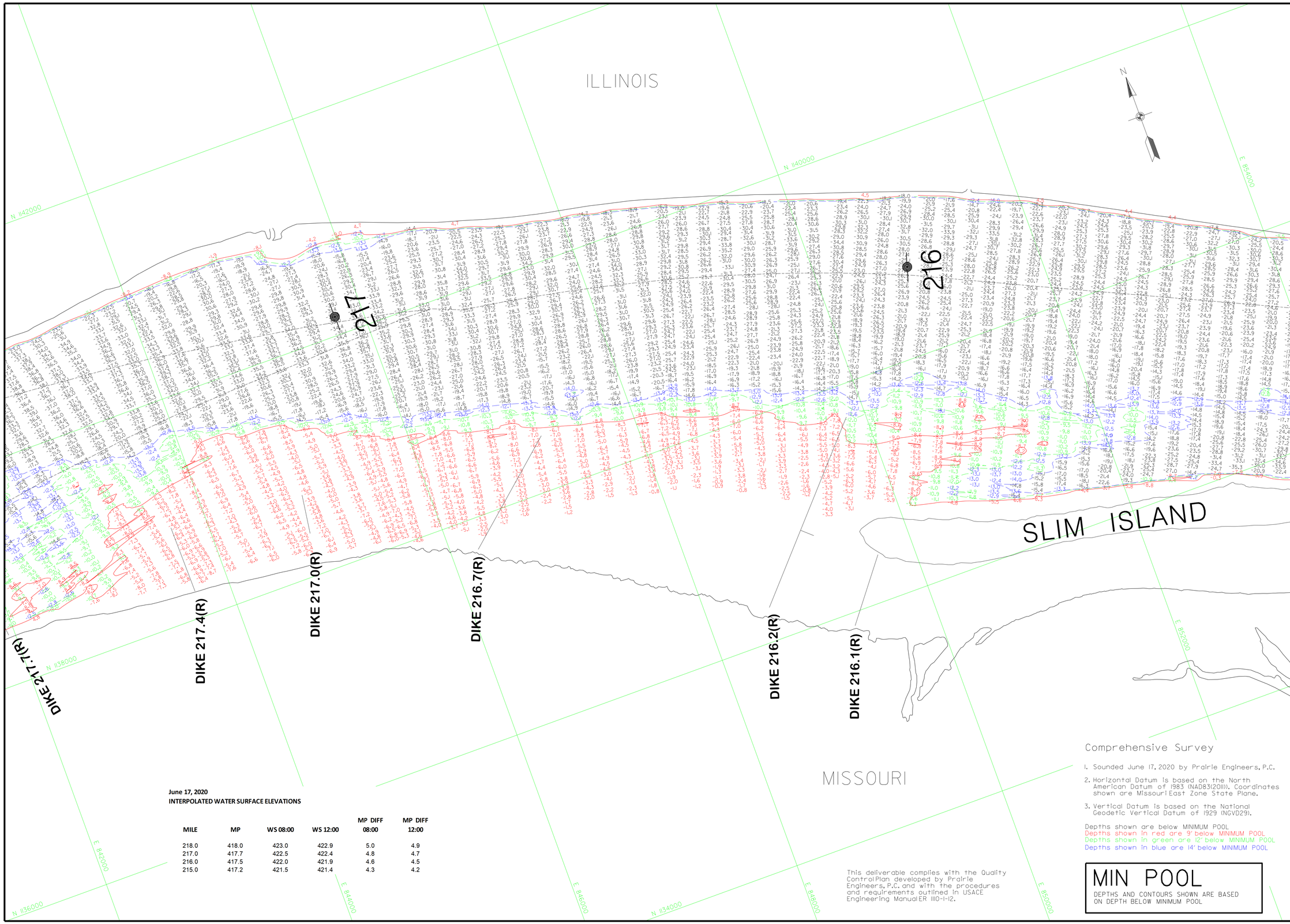
UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS 800 FEET
120 400 0 0 120 400

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME SHOWN AND MAY NOT BE ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
41



June 17, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:00	WS 12:00	MP DIFF 08:00	MP DIFF 12:00
218.0	418.0	423.0	422.9	5.0	4.9
217.0	417.7	422.5	422.4	4.8	4.7
216.0	417.5	422.0	421.9	4.6	4.5
215.0	417.2	421.5	421.4	4.3	4.2

Comprehensive Survey

1. Sounded June 17, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

MIN POOL

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MINIMUM POOL

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	GRAFTON	ALTON, IL
ZERO NGVD.		403.8	400.0
MILE		218.0	203.0
MIN POOL		48.0	44.0
	17 JUN 2020	423.0 (8:00) 422.9 (12:00)	45.8 (8:00) 45.6 (12:00)

Survey Dates: June 17, 2020

SUBMITTED: Chief, Engr. Data Mngt. Sect.

File name: SH42_24_20_mo.dgn
Date: 7/13/2020
Plot scale: 1"=400'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLM
Ckd by: DEF
Reviewed by:
APPROVED: Chief, Geospatial Branch

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS 800 FEET
120 0 0 400
120 400

THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE ON THE DATE SHOWN. THE ACCURACY OF THE SURVEY IS DEPENDENT UPON THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

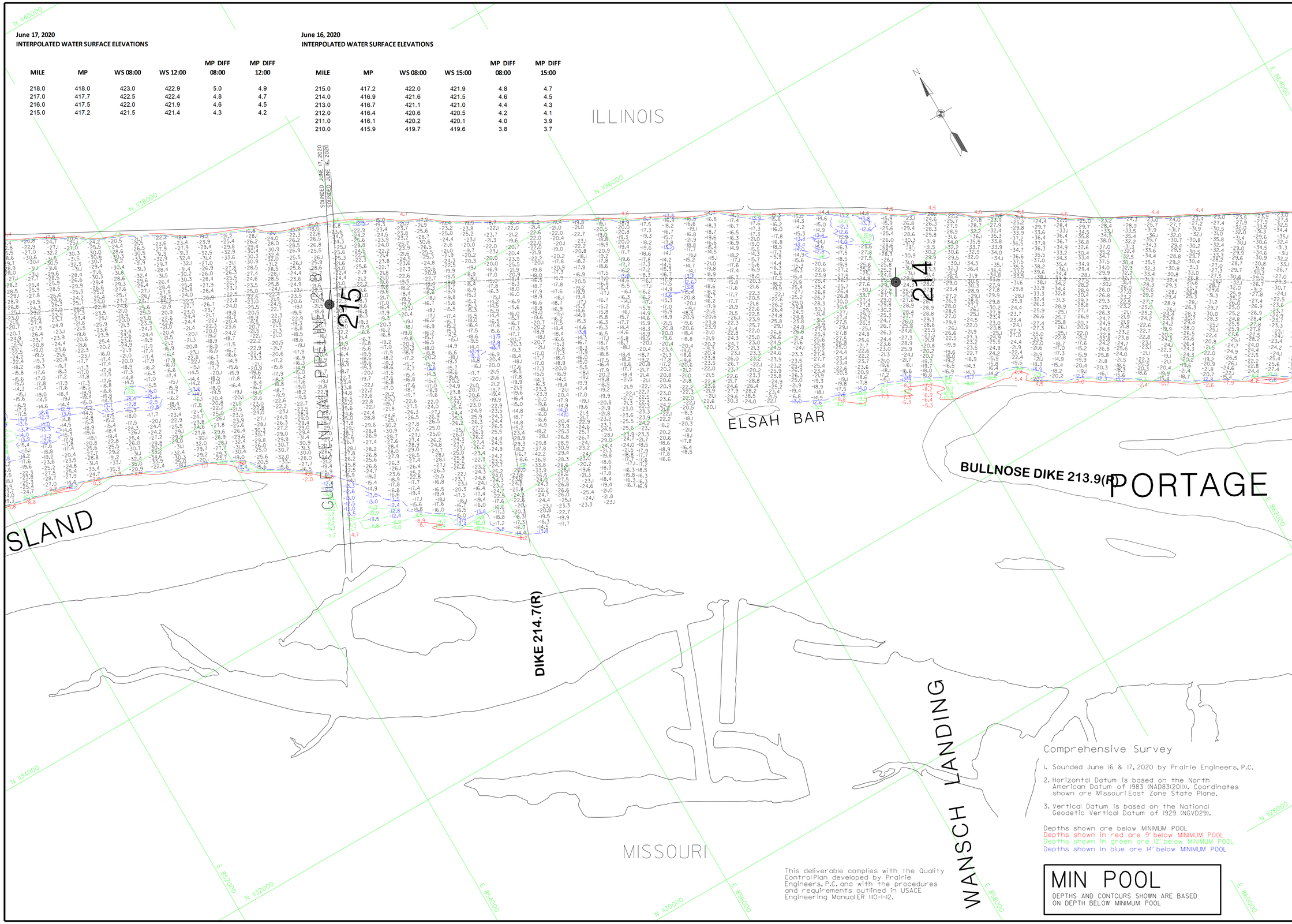
PLATE NUMBER
42

June 17, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:00	WS 12:00	MP DIFF 08:00	MP DIFF 12:00
218.0	418.0	423.0	422.9	5.0	4.9
217.0	417.7	422.5	422.4	4.8	4.7
216.0	417.5	422.0	421.9	4.6	4.5
215.0	417.2	421.5	421.4	4.3	4.2

June 16, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
215.0	417.2	422.0	421.9	4.8	4.7
214.0	416.9	421.6	421.5	4.6	4.5
213.0	416.7	421.1	421.0	4.4	4.3
212.0	416.4	420.6	420.5	4.2	4.1
211.0	416.1	420.2	420.1	4.0	3.9
210.0	415.9	419.7	419.6	3.8	3.7



Comprehensive Survey

1. Sounded June 16 & 17, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

MIN POOL

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MINIMUM POOL

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	GRAFTON	ALTON, IL
ZERO NGVD		403.8	400.0
MILE		218.0	203.0
MIN POOL		418.0	414.0
16 JUN 2020		423.3 (08:00)	416.4 (08:00)
		423.3 (15:00)	416.4 (15:00)

Survey Dates: June 16-2020
June 17, 2020

SUBMITTED:
Chief, Engr. Data Mngt.-Sect.

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLM
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

File names: Sm43.24.20.mxd
Plot date: 7 Jul 2020
Plot scale: 1:400

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS 120 0 120 400
800 FEET 400 0 400 800

SINCE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT DIFFERENT TIMES, IT MAY NOT BE A TRUE REPRESENTATION OF CONDITIONS AS INDICATED ON THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
43

June 16, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
215.0	417.2	422.0	421.9	4.8	4.7
214.0	416.9	421.6	421.5	4.6	4.5
213.0	416.7	421.1	421.0	4.4	4.3
212.0	416.4	420.6	420.5	4.2	4.1
211.0	416.1	420.2	420.1	4.0	3.9
210.0	415.9	419.7	419.6	3.8	3.7

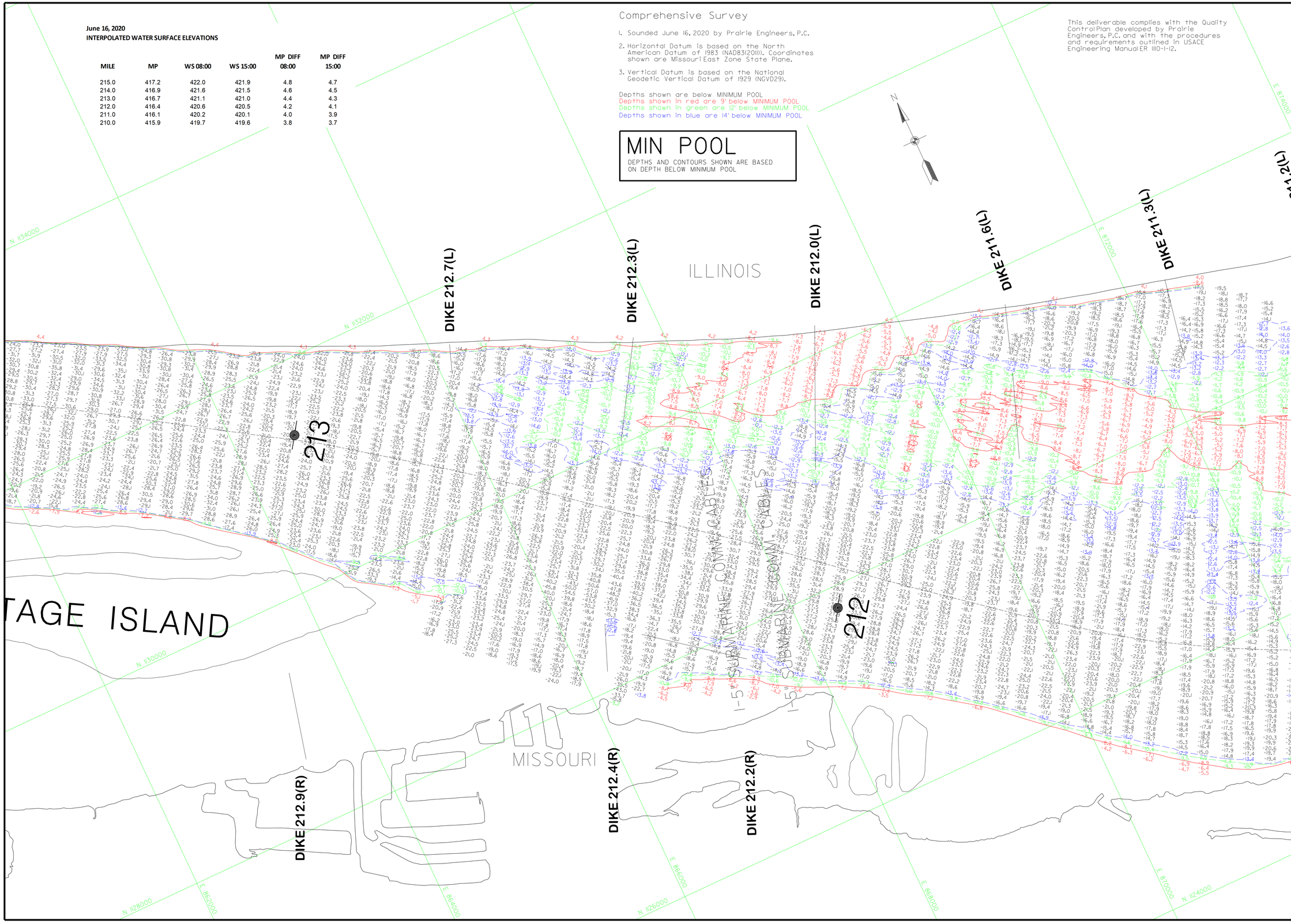
Comprehensive Survey

1. Sounded June 16, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

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

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.



US Army Corps of Engineers
St. Louis District

GAGE RECORD			
	GRAFTON	ALTON, IL	
WATER SURFACE ZERO N.G.V.D.	403.8	400.0	
MILE	218.0	203.0	
MIN POOL	418.0	414.0	
16 JUN 2020	423.3 (08:00)	416.4 (08:00)	
	423.3 (15:00)	416.4 (15:00)	

Survey Dates: June 16, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: SH14.2 ab_20.mo.dgn
Plot date: 7/7/2020
Plot scale: 1:400'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLM
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS 120 0 400 800 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE SHOWN. THE DATA IS PRESENTED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
44

Comprehensive Survey

1. Sounded June 15 & 16, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

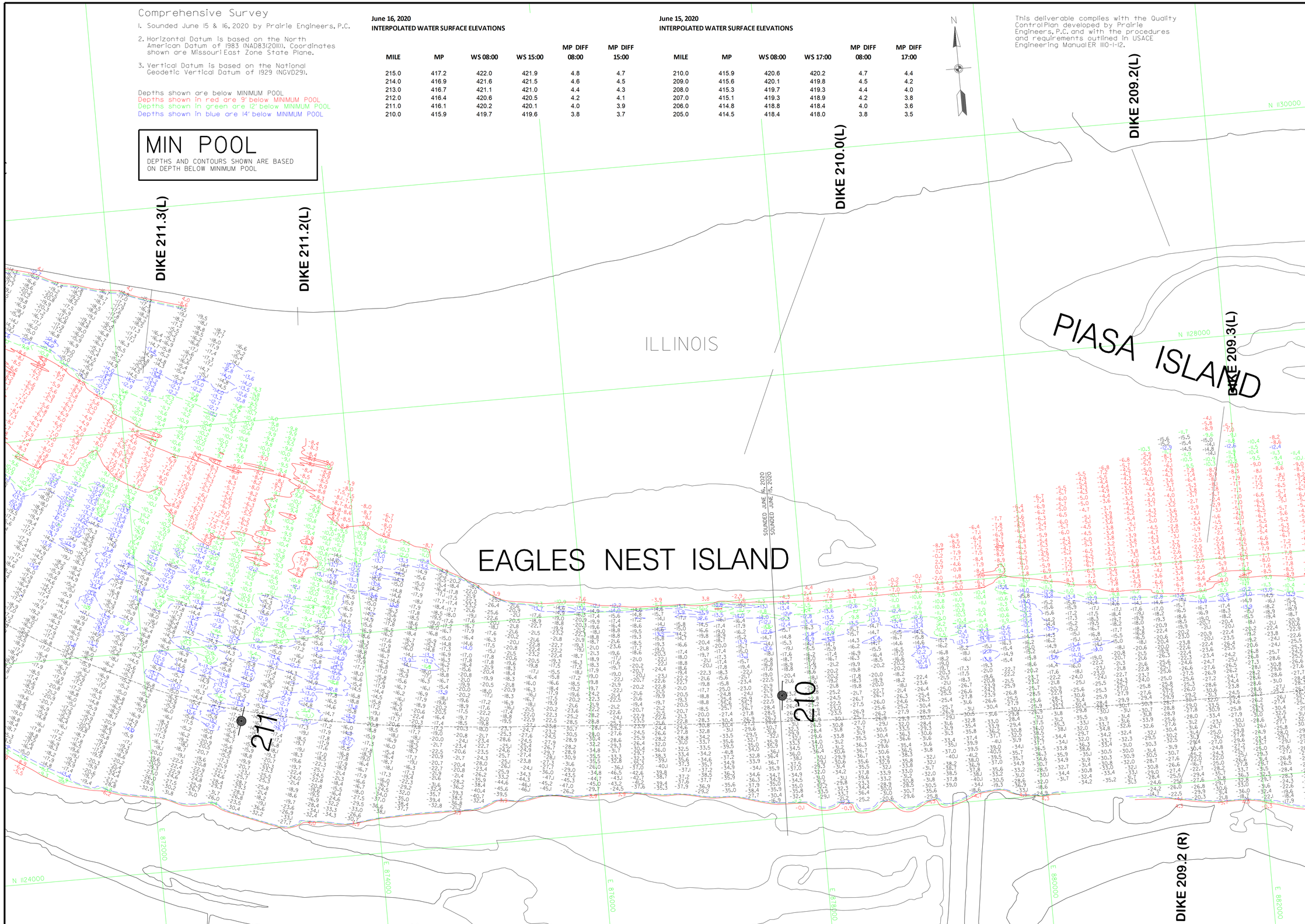
June 16, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:00	WS 15:00	MP DIFF 08:00	MP DIFF 15:00
215.0	417.2	422.0	421.9	4.8	4.7
214.0	416.9	421.6	421.5	4.6	4.5
213.0	416.7	421.1	421.0	4.4	4.3
212.0	416.4	420.6	420.5	4.2	4.1
211.0	416.1	420.2	420.1	4.0	3.9
210.0	415.9	419.7	419.6	3.8	3.7

June 15, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:00	WS 17:00	MP DIFF 08:00	MP DIFF 17:00
210.0	415.9	420.6	420.2	4.7	4.4
209.0	415.6	420.1	419.8	4.5	4.2
208.0	415.3	419.7	419.3	4.4	4.0
207.0	415.1	419.3	418.9	4.2	3.8
206.0	414.8	418.8	418.4	4.0	3.6
205.0	414.5	418.4	418.0	3.8	3.5

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.



US Army Corps of Engineers
St. Louis District

GAGE RECORD

ZERO N.G.V.D.	WATER SURFACE	GRAFTON	ALTON, IL
MILE		403.8	400.0
		216.0	203.0
MIN POOL		418.0	414.0
	15 JUN 2020	423.8 (108:00)	417.1(108:00)
		423.8 (17:00)	417.1(17:00)

Survey Date: June 15, 2020
June 16, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: SH45.2 & 210.mo.dgn
Plot date: 7 July 2020
Plot scale: 1:400'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLM
Ckd by: DEF
Reviewed by:
APPROVED: Chief, Geospatial Branch

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS 800 FEET
120 400 0 120 400

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE ON THE DATE SHOWN AND IS CONSIDERED AS REPLACING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
45

June 15, 2020

INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:00	WS 17:00	MP DIFF 08:00	MP DIFF 17:00
210.0	415.9	420.6	420.2	4.7	4.4
209.0	415.6	420.1	419.8	4.5	4.2
208.0	415.3	419.7	419.3	4.4	4.0
207.0	415.1	419.3	418.9	4.2	3.8
206.0	414.8	418.8	418.4	4.0	3.6
205.0	414.5	418.4	418.0	3.8	3.5

This deliverable complies with the Quality ControlPlan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering ManualER 1110-1-12.

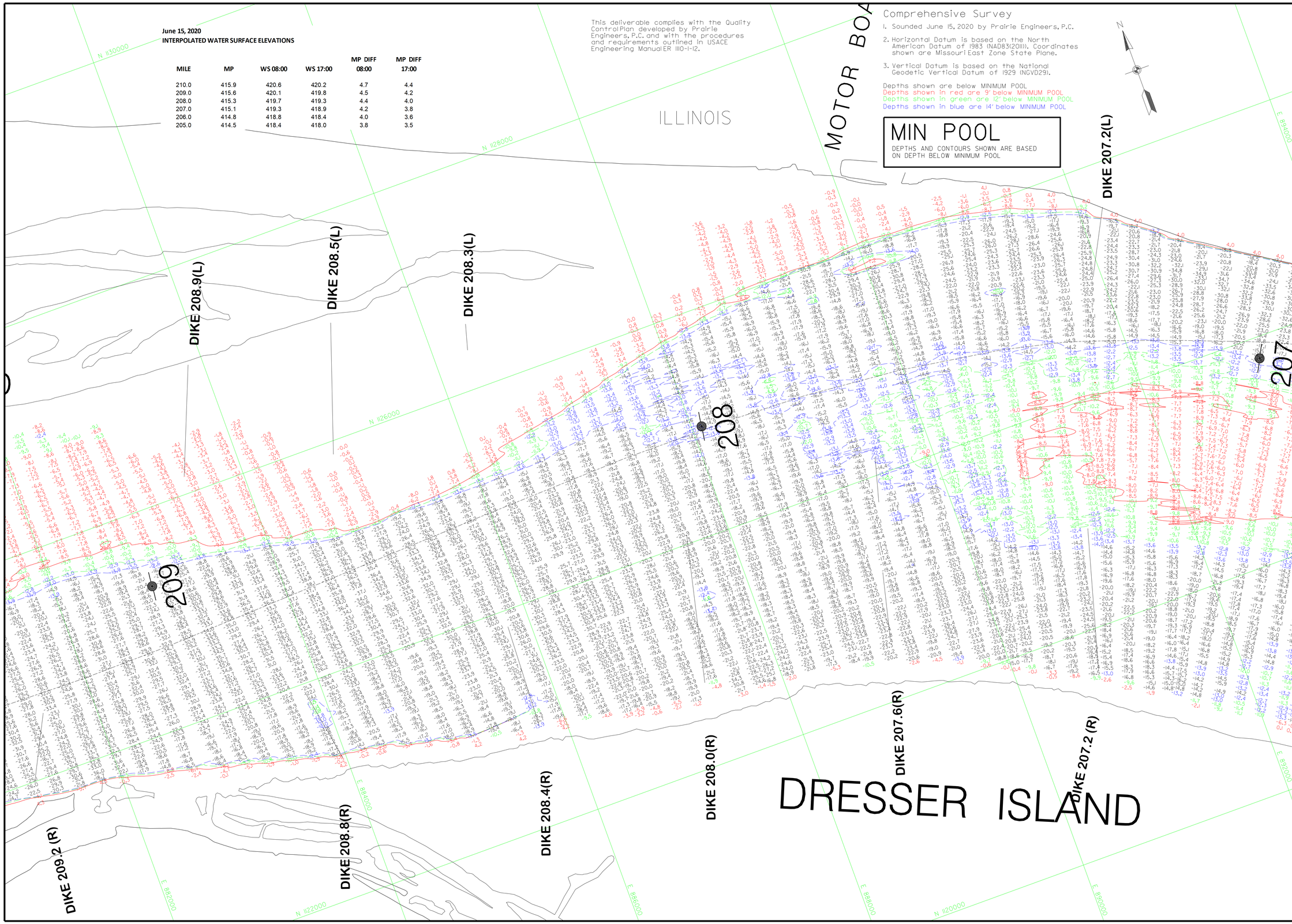
Comprehensive Survey

1. Sounded June 15, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are MissouriEast Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

MIN POOL

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MINIMUM POOL



US Army Corps of Engineers
St. Louis District

GAGE RECORD			
	GRAFTON	ALTON, IL	
WATER SURFACE	403.8	400.0	
MILE	218.0	203.0	
MIN POOL	418.0	414.0	
15 JUN 2020	423.8 (1108:00)	417.1(1108:00)	
	423.8 (1705:00)	417.1(1705:00)	

ZERO N.G.V.D.

Survey Dates: June 15, 2020

SUBMITTED: Chief, Engr. Data Mngt. Sect.

File names: 3H146_24_20_mo.dgn
Plot date: 7 Oct 2020
Plot scale: 1:400'

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLM
Ckd by: DEF
Reviewed by:
APPROVED: Chief, Geospatial Branch

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS 800 FEET
0 120 400
400 120 0

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE ON THE DATE SHOWN AND IS ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
46

June 15, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:00	WS 17:00	MP DIFF 08:00	MP DIFF 17:00
210.0	415.9	420.6	420.2	4.7	4.4
209.0	415.6	420.1	419.8	4.5	4.2
208.0	415.3	419.7	419.3	4.4	4.0
207.0	415.1	419.3	418.9	4.2	3.8
206.0	414.8	418.8	418.4	4.0	3.6
205.0	414.5	418.4	418.0	3.8	3.5

June 12, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 07:00	WS 13:00	MP DIFF 07:00	MP DIFF 13:00
205.0	414.5	420.4	420.3	5.9	5.8
204.0	414.3	420.1	420.0	5.8	5.7
203.0	414.0	419.7	419.6	5.7	5.6
202.0	413.2	419.4	419.3	6.2	6.1
201.1	412.5	419.2	419.0	6.7	6.5

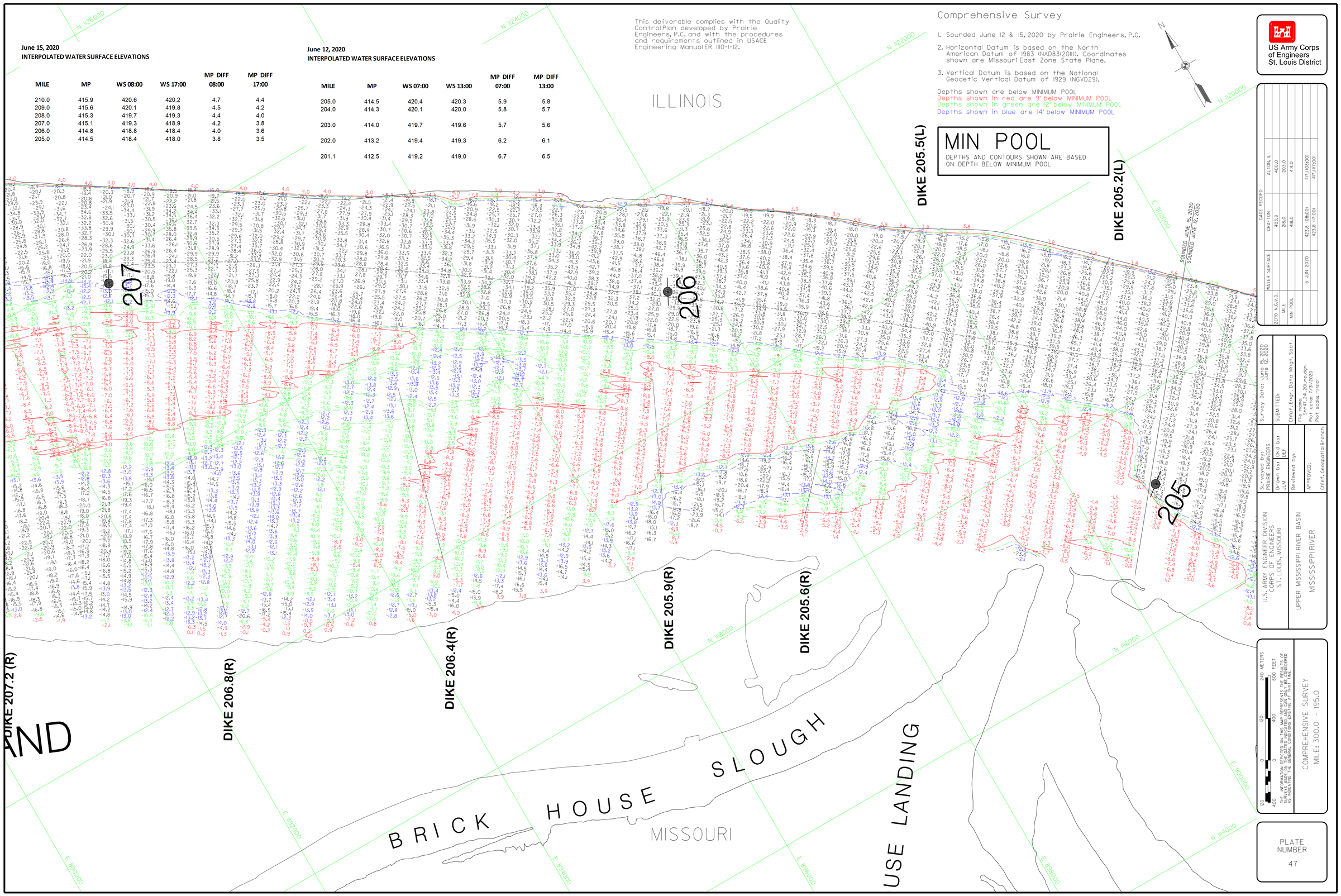
This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Comprehensive Survey

1. Sounded June 12 & 15, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

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



US Army Corps of Engineers
St. Louis District

GAGE RECORD			
	GRAFTON	ALTON, IL	
WATER SURFACE	403.8	400.0	
MILE	218.0	203.0	414.0
MIN POOL	418.0	414.0	
15 JUN 2020	423.8 (08:00)	417.1(08:00)	
	423.8 (17:00)	417.1(17:00)	

ZERO N.G.V.D.

Survey Dates: June 15, 2020
June 12, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLM
Ckd by: DEF
Reviewed by:
APPROVED:
Chief, Geospatial Branch

File names: Sm41_2_46_20_mo.dgn
Sm41_2_46_20.dgn
Plot scale: 1"=400'

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS
800 FEET
120 0 120 400
0 400

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE(S) SHOWN AND MAY NOT BE CORRECT AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
47

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

Comprehensive Survey

1. Sounded June 12 & 15, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

MIN POOL

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MINIMUM POOL

US Army Corps of Engineers
St. Louis District

ILLINOIS

MISSOURI

TRAIL DIKE 204.4(R)

SOUNDED JUNE 15, 2020
SOUNDED JUNE 12, 2020

June 15, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:00	WS 17:00	MP DIFF 08:00	MP DIFF 17:00
210.0	415.9	420.6	420.2	4.7	4.4
209.0	415.6	420.1	419.8	4.5	4.2
208.0	415.3	419.7	419.3	4.4	4.0
207.0	415.1	419.3	418.9	4.2	3.8
206.0	414.8	418.8	418.4	4.0	3.6
205.0	414.5	418.4	418.0	3.8	3.5

June 12, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 07:00	WS 13:00	MP DIFF 07:00	MP DIFF 13:00
205.0	414.5	420.4	420.3	5.9	5.8
204.0	414.3	420.1	420.0	5.8	5.7
203.0	414.0	419.7	419.6	5.7	5.6
202.0	413.2	419.4	419.3	6.2	6.1
201.1	412.5	419.2	419.0	6.7	6.5

GAGE RECORD

	GRAFTON	ALTON, IL	MEL PRICE (U)
ZERO N.G.V.D.	403.8	400.0	395.5
MILE	218.0	203.0	200
MIN POOL	48.0	414.0	412.5
WATER SURFACE 12 JUN 2020	425.2 (07:00)	419.6 (07:00)	419.0 (07:00)
	425.2 (13:00)	419.6 (13:00)	419.0 (13:00)

Survey Date: June 12-2020 June 15, 2020

SUBMITTED: Chief, Engr. Data Mngt. Sect.

File names: Sm48.2_20_mo.dgn Sm48.2_20_mo.pdf Plot scale: 1:400

Surveyed by: PRAIRIE ENGINEERS
Drawn by: JLM
Ckd by: DEF
Reviewed by:
APPROVED: Chief, Geospatial Branch

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

UPPER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER

240 METERS 120 0 120 240
800 FEET 400 0 400 800

THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY THE CORPS OF ENGINEERS AT THE TIME AND UNDER THE CONDITIONS AS INDICATED. THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
48

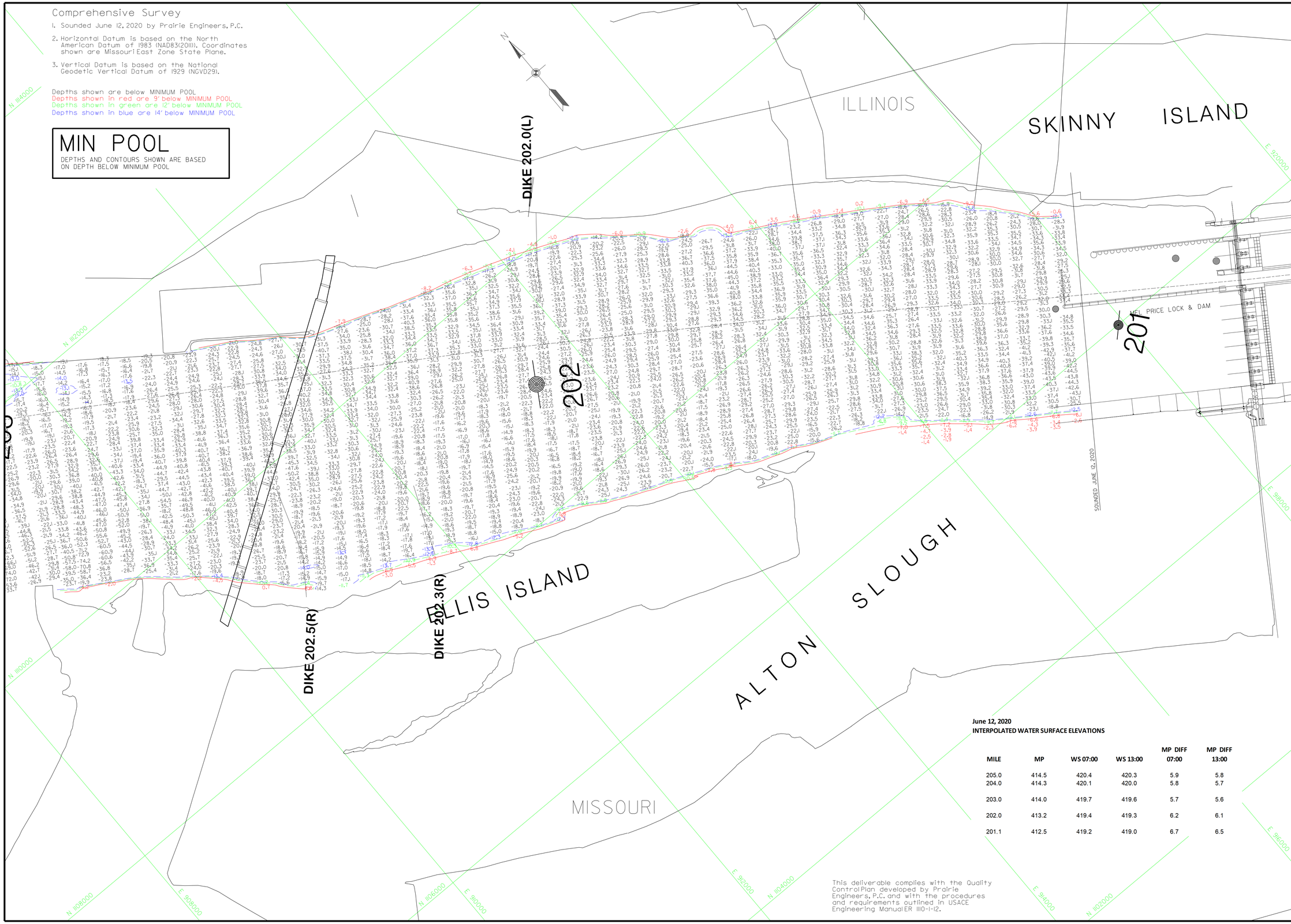
Comprehensive Survey

1. Sounded June 12, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

MIN POOL

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MINIMUM POOL



June 12, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 07:00	WS 13:00	MP DIFF 07:00	MP DIFF 13:00
205.0	414.5	420.4	420.3	5.9	5.8
204.0	414.3	420.1	420.0	5.8	5.7
203.0	414.0	419.7	419.6	5.7	5.6
202.0	413.2	419.4	419.3	6.2	6.1
201.1	412.5	419.2	419.0	6.7	6.5

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

US Army Corps of Engineers
St. Louis District

GAGE RECORD

ZERO N.G.V.D.	WATER SURFACE	GRAFTON	ALTON, IL	MEL PRICE (U)
MILE		403.8	400.0	395.5
		218.0	203.0	200.1
MIN POOL		418.0	414.0	412.5
	12 JUN 2020	425.2 (07:00)	419.6 (07:00)	419.0 (07:00)
		425.2 (13:00)	419.6 (13:00)	419.0 (13:00)

Survey Date: June 12, 2020

Surveyed by: PRAIRIE ENGINEERS
SUBMITTED: Chief, Engr. Data Mngt. Sect.
Drawn by: JLM
Ckd by: DEF
Reviewed by:
File name: Sm43_2_20_mb.dgn
Plot date: 17 Jun 2020
Plot scale: 1:400
APPROVED:
Chief, Geospatial Branch

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS
800 FEET
120 0 120 240
0 400 800

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE SHOWN. THE RESULTS ARE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

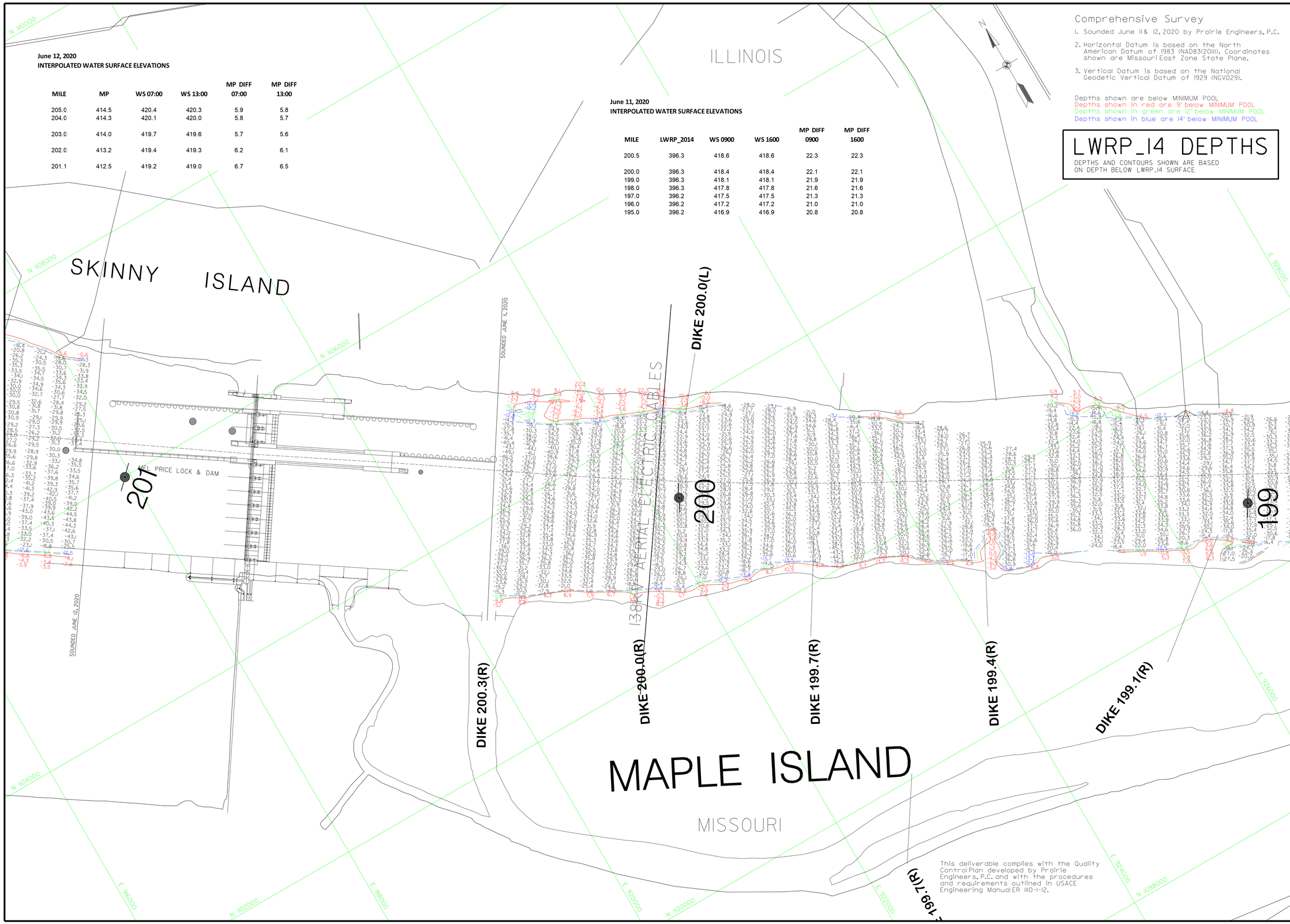
PLATE NUMBER
49

June 12, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 07:00	WS 13:00	MP DIFF 07:00	MP DIFF 13:00
205.0	414.5	420.4	420.3	5.9	5.8
204.0	414.3	420.1	420.0	5.8	5.7
203.0	414.0	419.7	419.6	5.7	5.6
202.0	413.2	419.4	419.3	6.2	6.1
201.1	412.5	419.2	419.0	6.7	6.5

June 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	LWRP_2014	WS 0900	WS 1600	MP DIFF 0900	MP DIFF 1600
200.5	396.3	418.6	418.6	22.3	22.3
200.0	396.3	418.4	418.4	22.1	22.1
199.0	396.3	418.1	418.1	21.9	21.9
198.0	396.3	417.8	417.8	21.6	21.6
197.0	396.2	417.5	417.5	21.3	21.3
196.0	396.2	417.2	417.2	21.0	21.0
195.0	396.2	416.9	416.9	20.8	20.8



Comprehensive Survey

1. Sounded June 11 & 12, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

LWRP_14 DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW LWRP_14 SURFACE

US Army Corps of Engineers
St. Louis District

GAGE RECORD

ZERO N.G.V.D.	WATER SURFACE	MEL PRICE (L)	COR
MILE		395.5	313.9
		200.5	190.5
LWRP_14		396.3	---
	11 JUN 2020	418.6 (09:00)	414.2 (09:00)
		418.6 (16:00)	414.2 (16:00)

Survey Dates: June 11, 2020
June 12, 2020

SUBMITTED: Chief, Engr. Data Mngt. Sect.

File names: 5mt10_20-195_lwrp14.dgn
Date: Wednesday, July 1, 2020
Plot scale: 1"=400'

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

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS 120 0 400 800 FEET

THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE(S) SHOWN. THE RESULTS ARE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

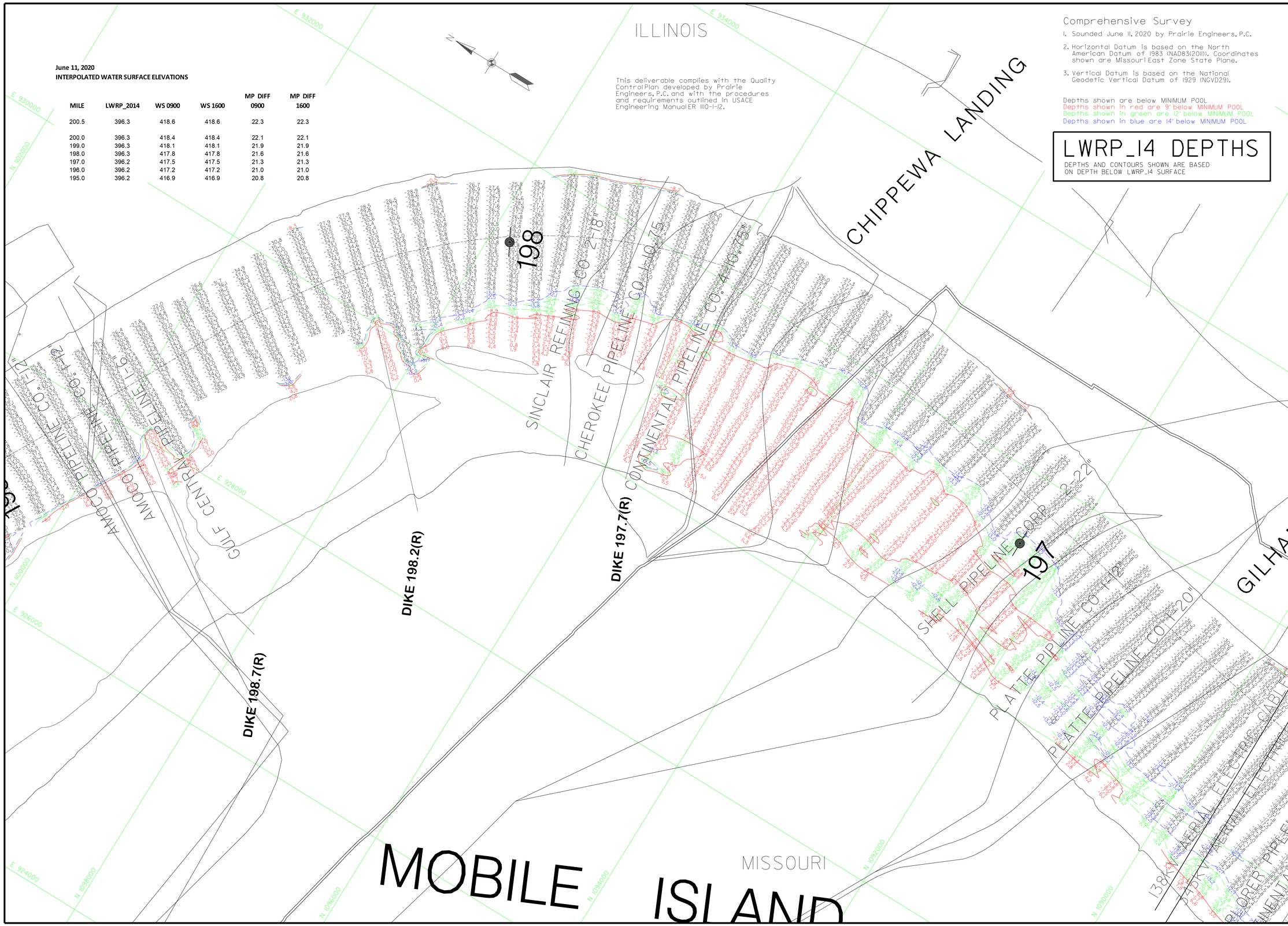
COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

PLATE NUMBER
50

June 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	LWRP_2014	WS 0900	WS 1600	MP DIFF 0900	MP DIFF 1600
200.5	396.3	418.6	418.6	22.3	22.3
200.0	396.3	418.4	418.4	22.1	22.1
199.0	396.3	418.1	418.1	21.9	21.9
198.0	396.3	417.8	417.8	21.6	21.6
197.0	396.2	417.5	417.5	21.3	21.3
196.0	396.2	417.2	417.2	21.0	21.0
195.0	396.2	416.9	416.9	20.8	20.8



Comprehensive Survey

1. Sounded June 11, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1983 (NAD83(2011)). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MINIMUM POOL
Depths shown in red are 9' below MINIMUM POOL
Depths shown in green are 12' below MINIMUM POOL
Depths shown in blue are 14' below MINIMUM POOL

LWRP_14 DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW LWRP_14 SURFACE

US Army Corps of Engineers
St. Louis District

GAGE RECORD

ZERO N.G.V.D.	WATER SURFACE	MEL PRICE (L)	COR
MILE		395.5	313.9
		200.5	190.5
LWRP_14		396.3	---
	11 JUN 2020	418.6 (09:00)	414.2 (09:00)
		418.6 (16:00)	414.2 (16:00)

Survey Dates: June 11, 2020
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: Smith_20-165_lwrp14.dgn
Plot date: June 24, 2020
Plot scale: 1:400

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

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

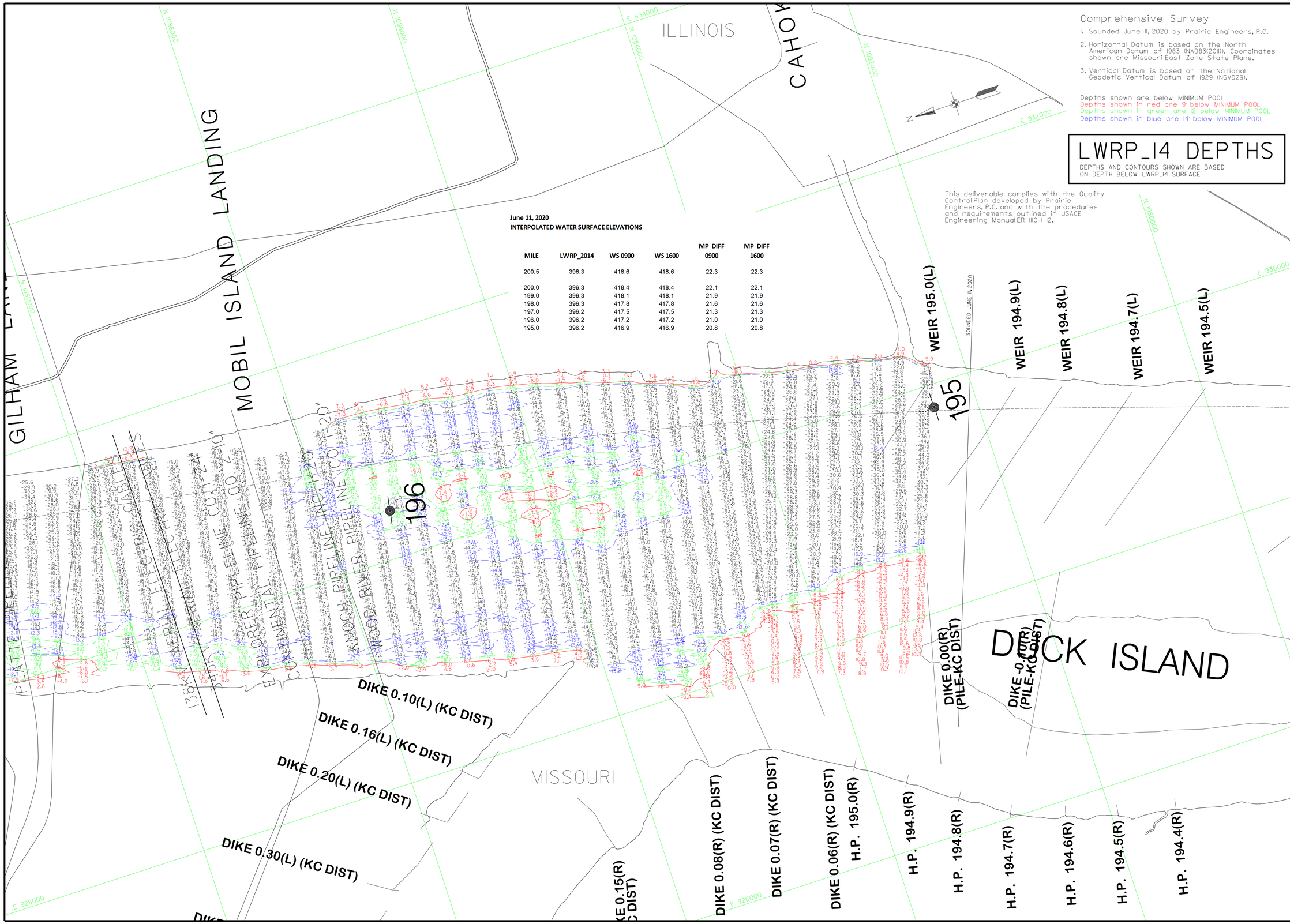
UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS 120 0 120 400
800 FEET 400 0 400 800

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

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.0

PLATE NUMBER
51



Comprehensive Survey

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Depths shown in blue are 14' below MINIMUM POOL

LWRP_14 DEPTHS

DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW LWRP_14 SURFACE

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 1110-1-12.

June 11, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	LWRP_2014	WS 0900	WS 1600	MP DIFF 0900	MP DIFF 1600
200.5	396.3	418.6	418.6	22.3	22.3
200.0	396.3	418.4	418.4	22.1	22.1
199.0	396.3	418.1	418.1	21.9	21.9
198.0	396.3	417.8	417.8	21.6	21.6
197.0	396.2	417.5	417.5	21.3	21.3
196.0	396.2	417.2	417.2	21.0	21.0
195.0	396.2	416.9	416.9	20.8	20.8

US Army Corps of Engineers
St. Louis District

GAGE RECORD

ZERO N.G.V.D.	WATER SURFACE	MEL PRICE (L)	COR
MILE		395.5	313.9
LWRP_14		200.5	190.5
		396.3	---
	11 JUN 2020	418.6 (09:00)	414.2 (09:00)
		418.6 (16:00)	414.2 (16:00)

Survey Dates: June 11, 2020

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File names:
5mi12.20-195.lwrp14.dgn
Plot date: 7-7-2020
Plot scale: 1:400'

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

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

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS
800 FEET
120 0 120 400
120 0 400

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE(S) SHOWN AND IS INTENDED TO BE INTERPRETED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

COMPREHENSIVE SURVEY
MILE: 300.0 - 195.00

PLATE NUMBER
52