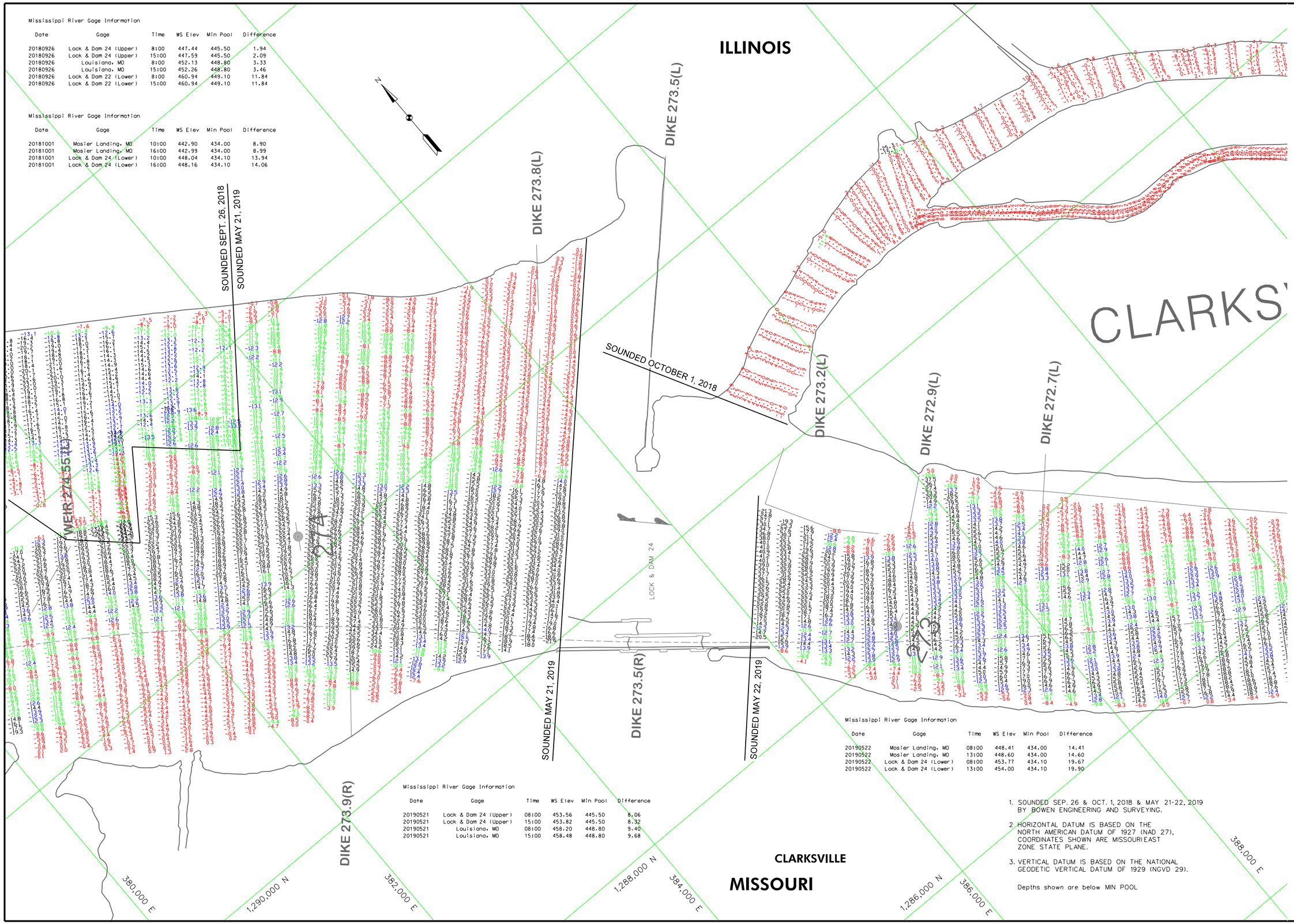
Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20180926	Lock & Dam 24 (Upper)	8:00	447.44	445.50	1.94
20180926	Lock & Dam 24 (Upper)	15:00	447.59	445.50	2.09
20180926	Louisiana, MO	8:00	452.13	448.80	3.33
20180926	Louisiana, MO	15:00	452.26	448.80	3.46
20180926	Lock & Dam 22 (Lower)	8:00	460.94	449.10	11.84
20180926	Lock & Dam 22 (Lower)	15:00	460.94	449.10	11.84

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181001	Mosier Landing, MO	10:00	442.90	434.00	8.90
20181001	Mosier Landing, MO	16:00	442.99	434.00	8.99
20181001	Lock & Dam 24 (Lower)	10:00	448.04	434.10	13.94
20181001	Lock & Dam 24 (Lower)	16:00	448.16	434.10	14.06



Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190521	Lock & Dam 24 (Upper)	08:00	453.56	445.50	8.06
20190521	Lock & Dam 24 (Upper)	15:00	453.82	445.50	8.32
20190521	Louisiana, MO	08:00	458.20	448.80	9.40
20190521	Louisiana, MO	15:00	458.48	448.80	9.68

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190522	Mosier Landing, MO	08:00	448.41	434.00	14.41
20190522	Mosier Landing, MO	13:00	448.60	434.00	14.60
20190522	Lock & Dam 24 (Lower)	08:00	453.77	434.10	19.67
20190522	Lock & Dam 24 (Lower)	13:00	454.00	434.10	19.90

1. SOUNDED SEP. 26 & OCT. 1, 2018 & MAY 21-22, 2019 BY BOWEN ENGINEERING AND SURVEYING.

2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.

3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below MIN POOL

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	LOUISIANA, MO	L & D 24 UPPER	L & D 24 LOWER	MOSIER
ZERO N.G.V.D.	437.33	421.81	421.81	400.0
MILE	282.9	273.5	273.2	260.3
MIN. POOL	448.8	445.5	434.1	434.0
26 SEP 2018	14.80/8:00/ 14.93/15:00/	25.63/8:00/ 25.78/15:00/	x	x
01 OCT 2018	x	x	26.23/0:00/ 26.35/18:00/	42.90/10:00/ 42.99/16:00/
21 MAY 2019	20.87/8:00/ 21.15/15:00/	31.75/8:00/ 32.01/15:00/	x	x
22 MAY 2019	x	x	31.96/08:00/ 32.19/13:00/	48.41/08:00/ 48.60/13:00/

Surveyed by: BOWEN ENGINEERING
Survey Date: SEP. 26, 2018 - MAY 22, 2019
Drawn by: X
Reviewed by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
Plot date: ##/##/YY HH:MM AM/PM
File name: ##/##/YY HH:MM AM/PM

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

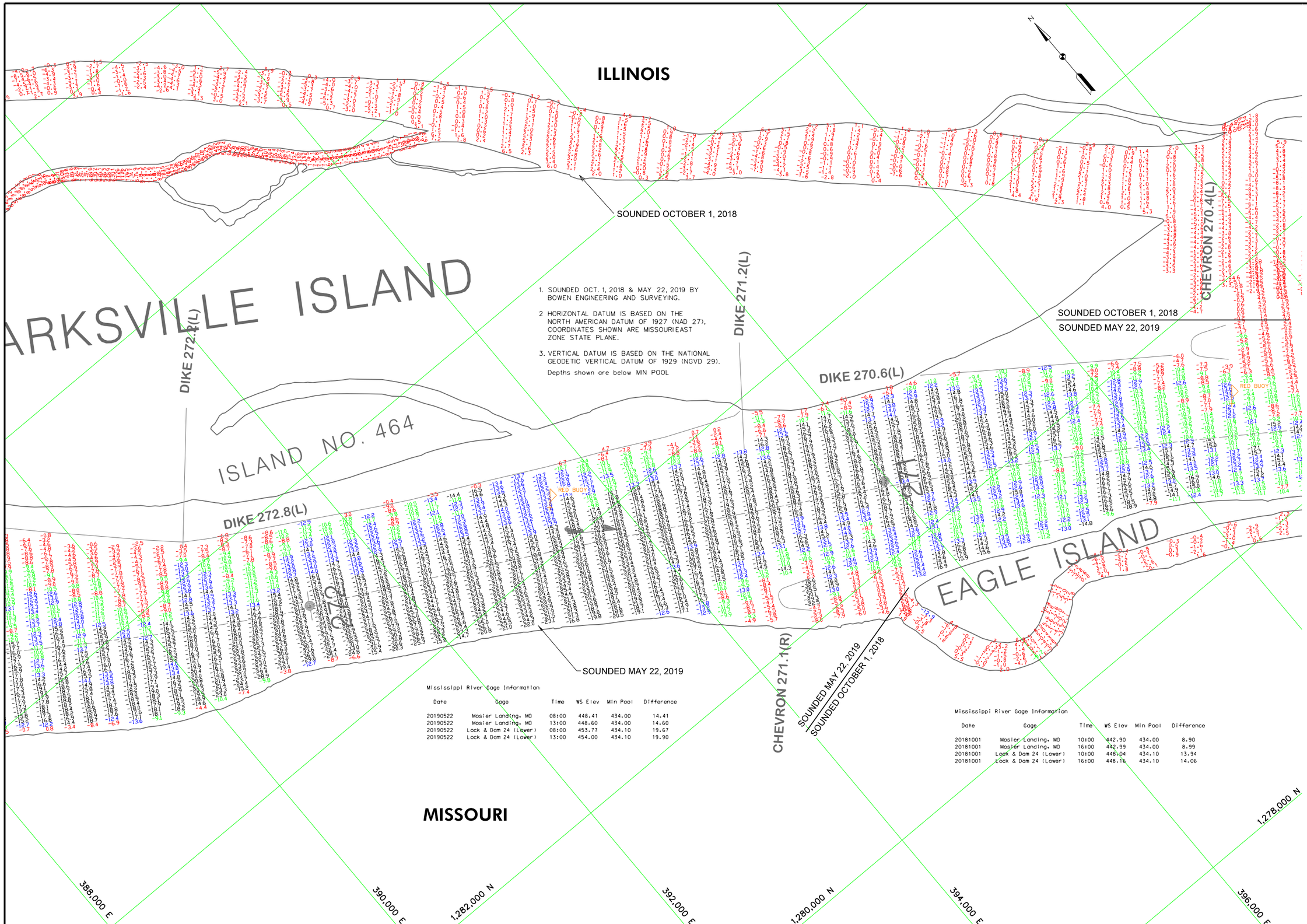
THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE ON THE DATE(S) SHOWN AND IS INTENDED TO BE REPRESENTED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS

MILE: 272.6 – 274.5

PLATE NUMBER

14



1. SOUNDED OCT. 1, 2018 & MAY 22, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below MIN POOL

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190522	Mosier Landing, MO	08:00	448.41	434.00	14.41
20190522	Mosier Landing, MO	13:00	448.60	434.00	14.60
20190522	Lock & Dam 24 (Lower)	08:00	453.77	434.10	19.67
20190522	Lock & Dam 24 (Lower)	13:00	454.00	434.10	19.90

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181001	Mosier Landing, MO	10:00	442.90	434.00	8.90
20181001	Mosier Landing, MO	16:00	442.99	434.00	8.99
20181001	Lock & Dam 24 (Lower)	10:00	448.04	434.10	13.94
20181001	Lock & Dam 24 (Lower)	16:00	448.16	434.10	14.06

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	L & D 24 LOWER	MOSIER	L&D 25 UPPER
ZERO N.G.V.D.	421.81	400.0	407.0
MILE	273.2	260.3	241.5
MIN. POOL	434.1	434.0	429.7
01 OCT 2018	26.23(10/00) 26.35(16/00)	42.90(10/00) 42.99(16/00)	x
22 MAY 2019	31.96(08/00) 32.19(13/00)	48.41(08/00) 48.60(13/00)	x

Surveyed by: BOWEN ENGINEERING
Survey Date: OCT. 1, 2018 & MAY 22, 2019
Drawn by: x
Reviewed by: x
Ckd by: x
SUBMITTED: x
APPROVED: x
File name: 6181ILmosier-eagleisland-ch270-273.dgn
Plot date: 8/8/2019 11:19:11 PM EDT 8.11.2.8.8.8

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

HYDROGRAPHIC SURVEYS

MILE: 270.3 – 272.5

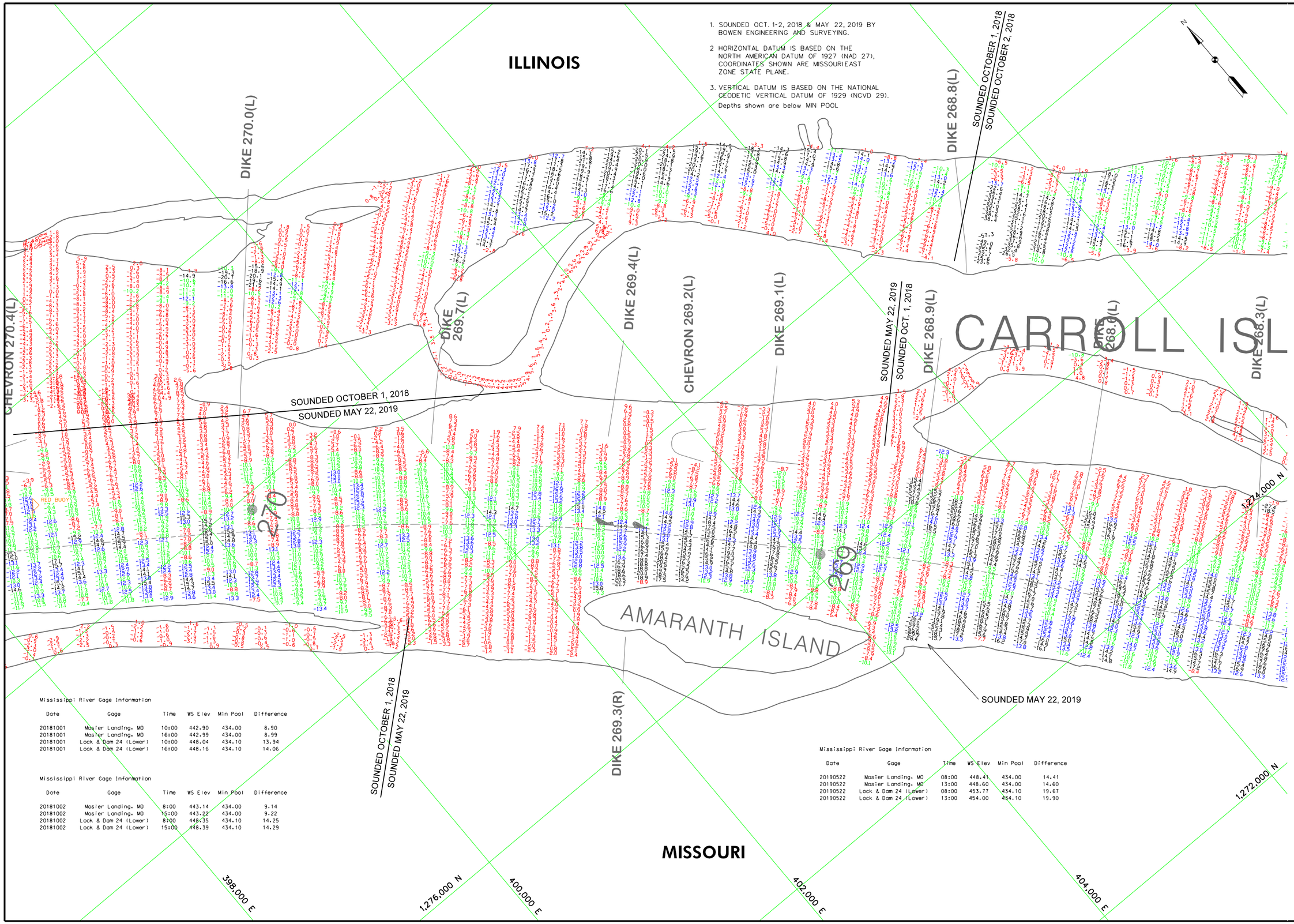
PLATE NUMBER

15

1. SOUNDED OCT. 1-2, 2018 & MAY 22, 2019 BY BOWEN ENGINEERING AND SURVEYING.

2 HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.

3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29). Depths shown are below MIN POOL



Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181001	Mosier Landing, MO	10:00	442.90	434.00	8.90
20181001	Mosier Landing, MO	16:00	442.99	434.00	8.99
20181001	Lock & Dam 24 (Lower)	10:00	448.04	434.10	13.94
20181001	Lock & Dam 24 (Lower)	16:00	448.16	434.10	14.06

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181002	Mosier Landing, MO	8:00	443.14	434.00	9.14
20181002	Mosier Landing, MO	15:00	443.22	434.00	9.22
20181002	Lock & Dam 24 (Lower)	8:00	448.35	434.10	14.25
20181002	Lock & Dam 24 (Lower)	15:00	448.39	434.10	14.29

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190522	Mosier Landing, MO	08:00	448.41	434.00	14.41
20190522	Mosier Landing, MO	13:00	448.60	434.00	14.60
20190522	Lock & Dam 24 (Lower)	08:00	453.77	434.10	19.67
20190522	Lock & Dam 24 (Lower)	13:00	454.00	434.10	19.90

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	L & D 24 LOWER	MOSIER	L&D 25 UPPER
ZERO N.G.V.D.	421.81	400.0	407.0
MILE	273.2	260.3	241.5
MIN. POOL	434.1	434.0	429.7
01 OCT 2018	26.23(10:00) 26.35(16:00)	42.90(10:00) 42.99(16:00)	x
02 OCT 2018	26.54(8:00) 26.58(15:00)	43.14(8:00) 43.22(15:00)	x
22 MAY 2019	31.96(08:00) 32.19(13:00)	48.41(08:00) 48.60(13:00)	x

Surveyed by: BOWEN ENGINEERING
Survey Date: OCT. 1-2, 2018 & MAY 22, 2019
Drawn by: X
Reviewed by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
File name: ###########EEPROJ#FLAT#CNS#
Plot date: ##########

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

UPPER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER

240 METERS 120 0 120 400 0 400 800 FEET

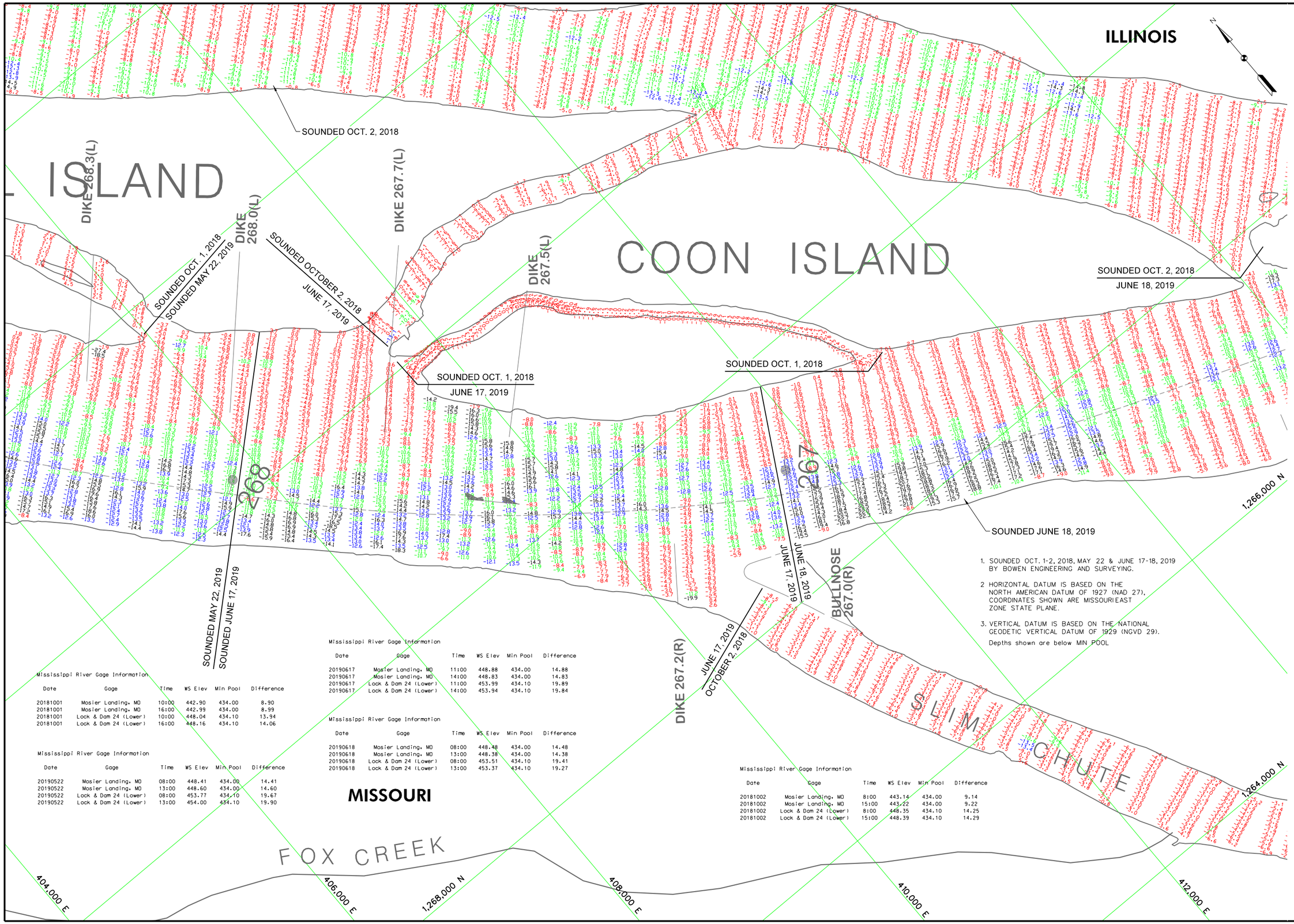
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES SHOWN. THE RESULTS ARE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS

MILE: 268.3 – 270.3

PLATE NUMBER

16



1. SOUNDED OCT. 1-2, 2018, MAY 22 & JUNE 17-18, 2019 BY BOWEN ENGINEERING AND SURVEYING.

2 HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.

3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below MIN POOL

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181001	Mosier Landing, MO	10:00	442.90	434.00	8.90
20181001	Mosier Landing, MO	16:00	442.99	434.00	8.99
20181001	Lock & Dam 24 (Lower)	10:00	448.04	434.10	13.94
20181001	Lock & Dam 24 (Lower)	16:00	448.16	434.10	14.06

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190522	Mosier Landing, MO	08:00	448.41	434.00	14.41
20190522	Mosier Landing, MO	13:00	448.60	434.00	14.60
20190522	Lock & Dam 24 (Lower)	08:00	453.77	434.10	19.67
20190522	Lock & Dam 24 (Lower)	13:00	454.00	434.10	19.90

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190617	Mosier Landing, MO	11:00	448.88	434.00	14.88
20190617	Mosier Landing, MO	14:00	448.83	434.00	14.83
20190617	Lock & Dam 24 (Lower)	11:00	453.99	434.10	19.89
20190617	Lock & Dam 24 (Lower)	14:00	453.94	434.10	19.84

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190618	Mosier Landing, MO	08:00	448.48	434.00	14.48
20190618	Mosier Landing, MO	13:00	448.38	434.00	14.38
20190618	Lock & Dam 24 (Lower)	08:00	453.51	434.10	19.41
20190618	Lock & Dam 24 (Lower)	13:00	453.37	434.10	19.27

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181002	Mosier Landing, MO	8:00	443.14	434.00	9.14
20181002	Mosier Landing, MO	15:00	443.22	434.00	9.22
20181002	Lock & Dam 24 (Lower)	8:00	448.35	434.10	14.25
20181002	Lock & Dam 24 (Lower)	15:00	448.39	434.10	14.29

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	L & D 24 LOWER	MOSIER	L&D 25 UPPER
ZERO N.G.V.D.	421.81	400.0	407.0
MILE	273.2	260.3	241.5
MIN. POOL	434.1	434.0	429.7
01 OCT 2018	26.23(10:00) 26.35(16:00)	42.90(10:00) 42.99(16:00)	x
02 OCT 2018	26.54(8:00) 26.58(15:00)	43.14(8:00) 43.22(15:00)	x
22 MAY 2019	31.96(08:00) 32.19(13:00)	48.41(08:00) 48.60(13:00)	x
17 JUN 2019	32.18(11:00) 32.13(14:00)	48.88(11:00) 48.83(14:00)	x
18 JUN 2019	31.70(8:00) 31.56(13:00)	48.48(8:00) 48.38(13:00)	x

Surveyed by: BOWEN ENGINEERING
Survey Date: OCT 1, 2018 - JUNE 18, 2019
Drawn by: X
Reviewed by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
File name: ###########
Plot date: ##########

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

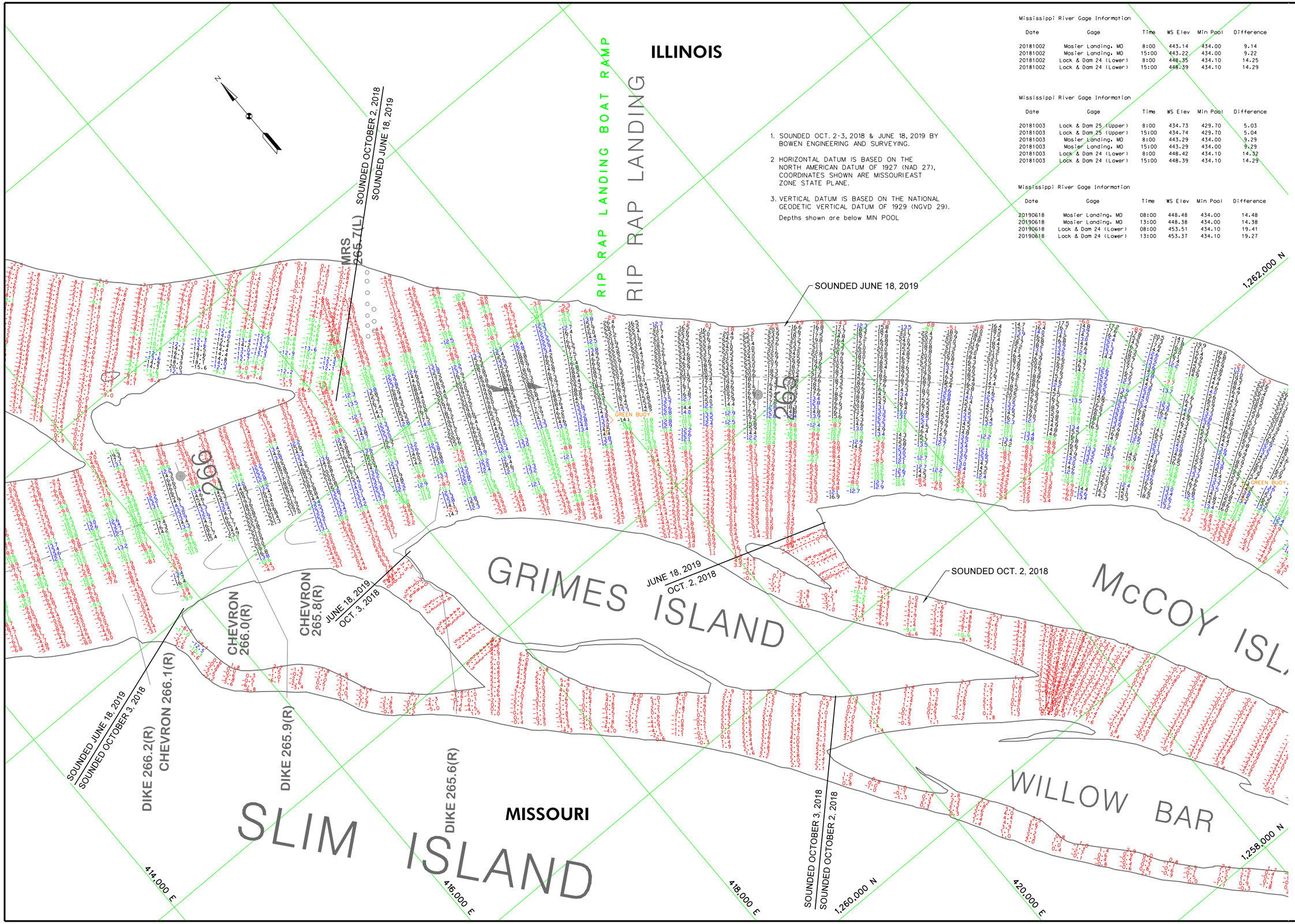
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME AND DATE INDICATED AND AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS

MILE: 266.3 – 268.3

PLATE NUMBER

17



1. SOUNDED OCT. 2-3, 2018 & JUNE 18, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE MISSOURIEAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below MIN POOL

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181002	Mosier Landing, MO	8:00	443.14	434.00	9.14
20181002	Mosier Landing, MO	15:00	443.22	434.00	9.22
20181002	Lock & Dam 24 (Lower)	8:00	448.35	434.10	14.25
20181002	Lock & Dam 24 (Lower)	15:00	448.39	434.10	14.29

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181003	Lock & Dam 25 (Upper)	8:00	434.73	429.70	5.03
20181003	Lock & Dam 25 (Upper)	15:00	434.74	429.70	5.04
20181003	Mosier Landing, MO	8:00	443.29	434.00	9.29
20181003	Mosier Landing, MO	15:00	443.29	434.00	9.29
20181003	Lock & Dam 24 (Lower)	8:00	448.42	434.10	14.32
20181003	Lock & Dam 24 (Lower)	15:00	448.39	434.10	14.29

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190618	Mosier Landing, MO	08:00	448.48	434.00	14.48
20190618	Mosier Landing, MO	13:00	448.38	434.00	14.38
20190618	Lock & Dam 24 (Lower)	08:00	453.51	434.10	19.41
20190618	Lock & Dam 24 (Lower)	13:00	453.37	434.10	19.27

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	L & D 24 LOWER	MOSIER	L&D 25 UPPER
ZERO N.G.V.D.	421.81	400.0	407.0
MILE	273.2	260.3	241.5
MIN. POOL	434.1	434.0	429.7
02 OCT 2018	26.548(600) 26.581(5-00)	43.148(600) 43.221(5-00)	x
03 OCT 2018	26.618(600) 26.581(5-00)	43.298(600) 43.329(15-00)	27.738(600) 27.741(5-00)
18 JUN 2019	31.706(600) 31.561(3-00)	48.48(8-00) 48.38(13-00)	x

Surveyed by: BOWEN ENGINEERING
Survey Date: OCT. 2, 2018 - JUNE 18, 2019
Drawn by: X
Reviewed by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
File name: ##########
Plot date: ##########

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

UPPER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER

0 120 240 METERS
0 400 800 FEET

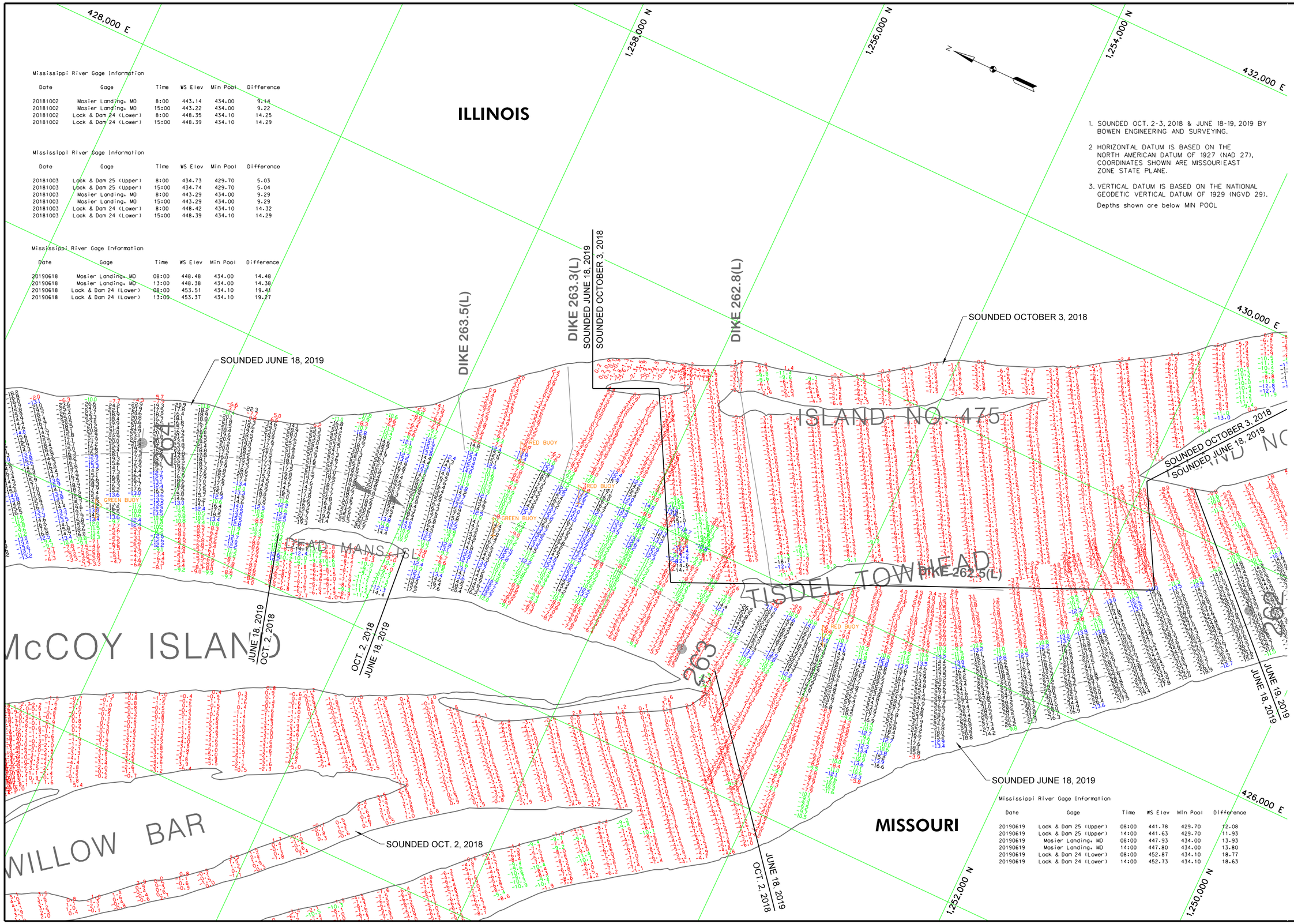
THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND SHOULD BE INTERPRETED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS

MILE: 264.2 – 266.2

PLATE NUMBER

18



Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181002	Mosier Landing, MO	8:00	443.14	434.00	9.14
20181002	Mosier Landing, MO	15:00	443.22	434.00	9.22
20181002	Lock & Dam 24 (Lower)	8:00	448.35	434.10	14.25
20181002	Lock & Dam 24 (Lower)	15:00	448.39	434.10	14.29

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181003	Lock & Dam 25 (Upper)	8:00	434.73	429.70	5.03
20181003	Lock & Dam 25 (Upper)	15:00	434.74	429.70	5.04
20181003	Mosier Landing, MO	8:00	443.29	434.00	9.29
20181003	Mosier Landing, MO	15:00	443.29	434.00	9.29
20181003	Lock & Dam 24 (Lower)	8:00	448.42	434.10	14.32
20181003	Lock & Dam 24 (Lower)	15:00	448.39	434.10	14.29

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190618	Mosier Landing, MO	08:00	448.48	434.00	14.48
20190618	Mosier Landing, MO	13:00	448.38	434.00	14.38
20190618	Lock & Dam 24 (Lower)	08:00	453.51	434.10	19.41
20190618	Lock & Dam 24 (Lower)	13:00	453.37	434.10	19.27

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190619	Lock & Dam 25 (Upper)	08:00	441.78	429.70	12.08
20190619	Lock & Dam 25 (Upper)	14:00	441.63	429.70	11.93
20190619	Mosier Landing, MO	08:00	447.93	434.00	13.93
20190619	Mosier Landing, MO	14:00	447.80	434.00	13.80
20190619	Lock & Dam 24 (Lower)	08:00	452.87	434.10	18.77
20190619	Lock & Dam 24 (Lower)	14:00	452.73	434.10	18.63

1. SOUNDED OCT. 2-3, 2018 & JUNE 18-19, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below MIN POOL

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	L & D 24 LOWER	MOSIER	L&D 25 UPPER
ZERO N.G.V.D.	421.81	400.0	407.0
MILE	273.2	260.3	241.5
MIN. POOL	434.1	434.0	429.7
02 OCT 2018	26.54(8/00) 26.58(15/00)	43.14(8/00) 43.22(15/00)	x
03 OCT 2018	26.61(8/00) 26.58(15/00)	43.29(8/00) 43.29(15/00)	27.73(8/00) 27.74(15/00)
18 JUN 2019	31.70(8/00) 31.56(13/00)	48.48(8/00) 48.38(13/00)	x
19 JUN 2019	31.06(8/00) 30.92(14/00)	47.93(8/00) 47.80(14/00)	34.78(8/00) 34.63(14/00)

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

UPPER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER

Surveyed by: BOWEN ENGINEERING
Survey Date: OCT. 2, 2018 - JUNE 19, 2019
Drawn by: X
Reviewed by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
File name: 8888\MISSISSIPPI\PLATES\8888
Plot date: 8888\MISSISSIPPI\PLATES\8888

240 METERS
800 FEET
120 0 120 400 0 400

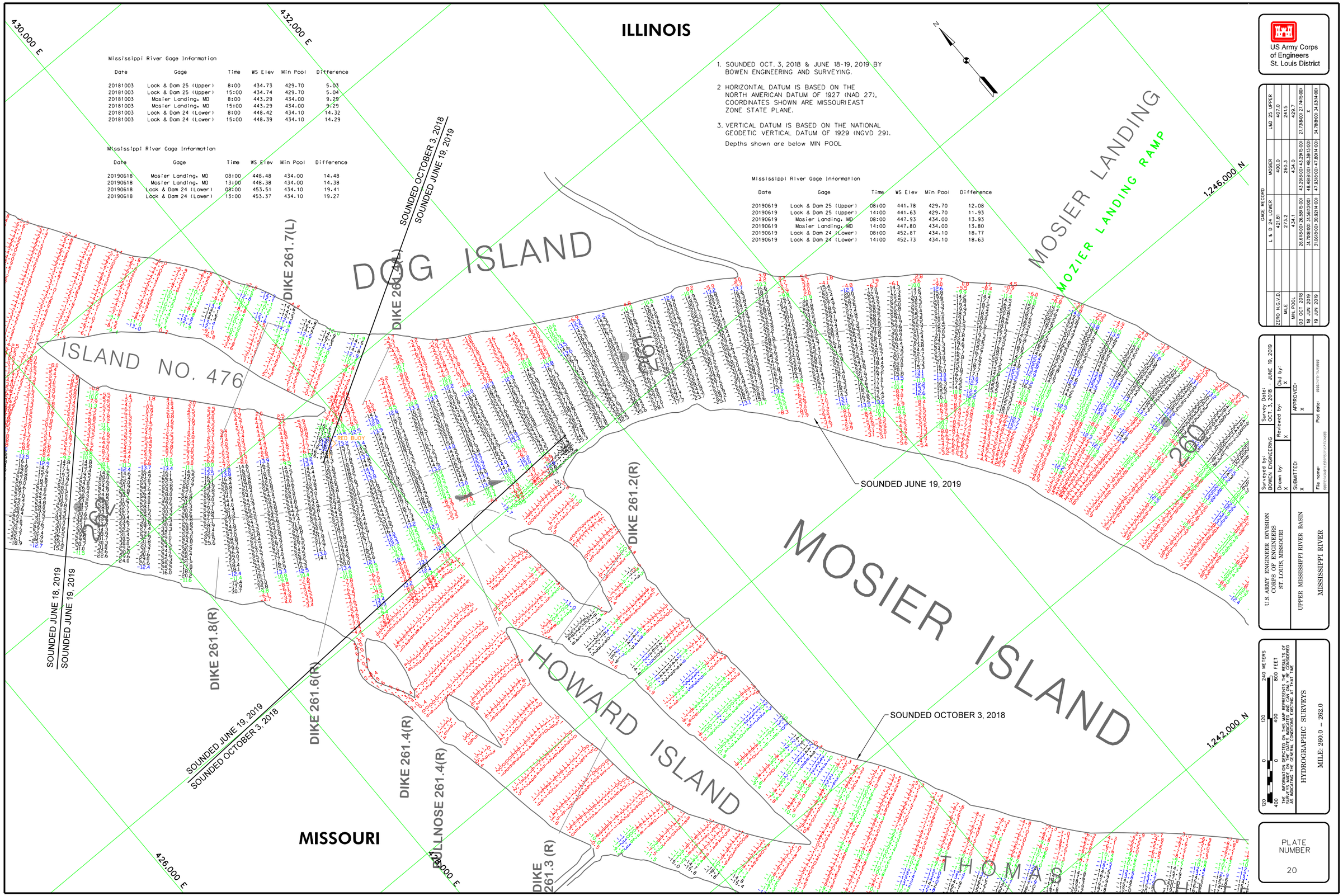
THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME INDICATED AND MAY NOT BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS

MILE: 262.0 – 264.2

PLATE NUMBER

19



Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181003	Lock & Dam 25 (Upper)	8:00	434.73	429.70	5.03
20181003	Lock & Dam 25 (Upper)	15:00	434.74	429.70	5.04
20181003	Mosier Landing, MO	8:00	443.29	434.00	9.29
20181003	Mosier Landing, MO	15:00	443.29	434.00	9.29
20181003	Lock & Dam 24 (Lower)	8:00	448.42	434.10	14.32
20181003	Lock & Dam 24 (Lower)	15:00	448.39	434.10	14.29

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190618	Mosier Landing, MO	08:00	448.48	434.00	14.48
20190618	Mosier Landing, MO	13:00	448.38	434.00	14.38
20190618	Lock & Dam 24 (Lower)	08:00	453.51	434.10	19.41
20190618	Lock & Dam 24 (Lower)	13:00	453.37	434.10	19.27

1. SOUNDED OCT. 3, 2018 & JUNE 18-19, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below MIN POOL

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190619	Lock & Dam 25 (Upper)	08:00	441.78	429.70	12.08
20190619	Lock & Dam 25 (Upper)	14:00	441.63	429.70	11.93
20190619	Mosier Landing, MO	08:00	447.93	434.00	13.93
20190619	Mosier Landing, MO	14:00	447.80	434.00	13.80
20190619	Lock & Dam 24 (Lower)	08:00	452.87	434.10	18.77
20190619	Lock & Dam 24 (Lower)	14:00	452.73	434.10	18.63

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	L & D 24 LOWER	MOSIER	L&D 25 UPPER
ZERO N.G.V.D.	421.81	400.0	407.0
MILE	273.2	260.3	241.5
MIN. POOL	434.1	434.0	429.7
03 OCT 2018	26.818(-00) 26.581(5-00)	43.298(-00) 43.291(5-00)	27.738(-00) 27.741(5-00)
18 JUN 2019	31.706(-00) 31.561(3-00)	48.481(8-00) 48.381(3-00)	x
19 JUN 2019	31.066(8-00) 30.921(4-00)	47.931(8-00) 47.801(4-00)	34.768(-00) 34.63(4-00)

Surveyed by: BOWEN ENGINEERING
Survey Date: OCT. 3, 2018 - JUNE 19, 2019
Drawn by: X
Reviewed by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
File name: 8888PRO1VER1TIFF8888
Plot date: 8888PRO1VER1TIFF8888

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 REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND IS PRESENTED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS

MILE: 260.0 – 262.0

PLATE NUMBER

20

Mississippi River Gage Information

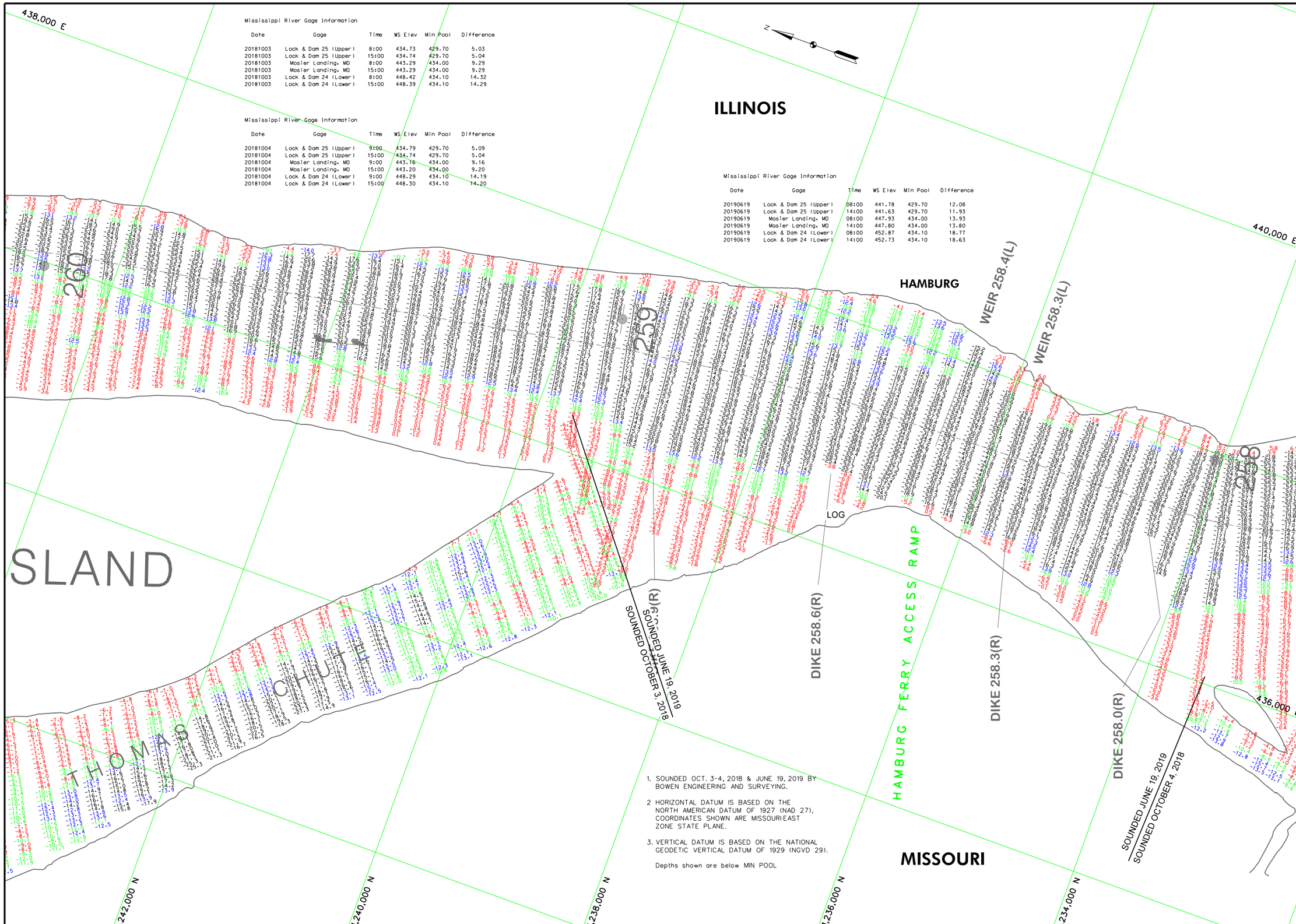
Date	Gage	Time	WS Elev	Min Pool	Difference
20181003	Lock & Dam 25 (Upper)	8:00	434.73	429.70	5.03
20181003	Lock & Dam 25 (Upper)	15:00	434.74	429.70	5.04
20181003	Mosier Landing, MO	8:00	443.29	434.00	9.29
20181003	Mosier Landing, MO	15:00	443.29	434.00	9.29
20181003	Lock & Dam 24 (Lower)	8:00	448.42	434.10	14.32
20181003	Lock & Dam 24 (Lower)	15:00	448.39	434.10	14.29

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181004	Lock & Dam 25 (Upper)	9:00	434.79	429.70	5.09
20181004	Lock & Dam 25 (Upper)	15:00	434.74	429.70	5.04
20181004	Mosier Landing, MO	9:00	443.16	434.00	9.16
20181004	Mosier Landing, MO	15:00	443.20	434.00	9.20
20181004	Lock & Dam 24 (Lower)	9:00	448.29	434.10	14.19
20181004	Lock & Dam 24 (Lower)	15:00	448.30	434.10	14.20

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190619	Lock & Dam 25 (Upper)	08:00	441.78	429.70	12.08
20190619	Lock & Dam 25 (Upper)	14:00	441.63	429.70	11.93
20190619	Mosier Landing, MO	08:00	447.93	434.00	13.93
20190619	Mosier Landing, MO	14:00	447.80	434.00	13.80
20190619	Lock & Dam 24 (Lower)	08:00	452.87	434.10	18.77
20190619	Lock & Dam 24 (Lower)	14:00	452.73	434.10	18.63



1. SOUNDED OCT. 3-4, 2018 & JUNE 19, 2019 BY BOWEN ENGINEERING AND SURVEYING.

2 HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE MISSOURIEAST ZONE STATE PLANE.

3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below MIN POOL

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	L & D 24 LOWER	MOSIER	L&D 25 UPPER
ZERO N.G.V.D.	421.81	400.0	407.0
MILE	273.2	260.3	241.5
MIN. POOL	434.1	434.0	429.7
03 OCT 2018	26.618(00) 26.581(5:00)	43.298(00) 43.291(5:00)	27.738(00) 27.741(5:00)
04 OCT 2018	26.489(9:00) 26.491(5:00)	43.369(00) 43.320(15:00)	27.799(00) 27.741(5:00)
19 JUN 2019	31.066(8:00) 30.921(14:00)	47.938(00) 47.80(14:00)	34.788(00) 34.63(14:00)

Surveyed by: BOWEN ENGINEERING
Survey Date: OCT. 3, 2018 - JUNE 19, 2019
Drawn by: X
Reviewed by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
File name: 8888PROJECT8888PLATS\8888
Plot date: 8888\YYYY\TYMD8888

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 REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY THE ST. LOUIS DISTRICT, CORPS OF ENGINEERS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS

MILE: 257.9-260.0

PLATE NUMBER

21

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181003	Lock & Dam 25 (Upper)	8:00	434.73	429.70	5.03
20181003	Lock & Dam 25 (Upper)	15:00	434.74	429.70	5.04
20181003	Mosier Landing, MO	8:00	443.29	434.00	9.29
20181003	Mosier Landing, MO	15:00	443.29	434.00	9.29
20181003	Lock & Dam 24 (Lower)	8:00	448.42	434.10	14.32
20181003	Lock & Dam 24 (Lower)	15:00	448.39	434.10	14.29

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181004	Lock & Dam 25 (Upper)	9:00	434.79	429.70	5.09
20181004	Lock & Dam 25 (Upper)	15:00	434.74	429.70	5.04
20181004	Mosier Landing, MO	9:00	443.16	434.00	9.16
20181004	Mosier Landing, MO	15:00	443.20	434.00	9.20
20181004	Lock & Dam 24 (Lower)	9:00	448.29	434.10	14.19
20181004	Lock & Dam 24 (Lower)	15:00	448.30	434.10	14.20

1. SOUNDED OCT. 3-4, 2018 & JUNE 19-20, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below MIN POOL

ILLINOIS

MISSOURI

KELLY ISLAND

WESTPORT ISLAND

WESTPO

BULLNOSE 257.1(L)

DIKE 257.4(L) MRS 257.4(L)

DIKE 257.2(L) MRS 257.2(L)

DIKE 256.7(L)

DIKE 256.8(L) MRS 256.8(L)

DIKE 256.5(L)

DIKE 256.3(L)

DIKE 257.3(R)

DIKE 257.6(R)

DIKE 257.7(R)

SOUNDED OCT. 3, 2018
SOUNDED JUNE 19, 2019

SOUNDED JUNE 19, 2019
SOUNDED OCTOBER 4, 2018

SOUNDED JUNE 19, 2019
SOUNDED JUNE 20, 2019

OCT. 3, 2018
JUNE 20, 2019

RED BUOY

GREEN BUOY

257

256

440,000 E

442,000 E

436,000 E

1,232,000 N

1,230,000 N

1,228,000 N

1,226,000 N

1,224,000 N

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190619	Lock & Dam 25 (Upper)	08:00	441.78	429.70	12.08
20190619	Lock & Dam 25 (Upper)	14:00	441.63	429.70	11.93
20190619	Mosier Landing, MO	08:00	447.93	434.00	13.93
20190619	Mosier Landing, MO	14:00	447.80	434.00	13.80
20190619	Lock & Dam 24 (Lower)	08:00	452.87	434.10	18.77
20190619	Lock & Dam 24 (Lower)	14:00	452.73	434.10	18.63

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190620	Lock & Dam 25 (Upper)	08:00	441.26	429.70	11.56
20190620	Lock & Dam 25 (Upper)	15:00	441.14	429.70	11.44
20190620	Mosier Landing, MO	08:00	447.65	434.00	13.65
20190620	Mosier Landing, MO	15:00	447.63	434.00	13.63

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	L & D 24 LOWER	MOSIER	L&D 25 UPPER
ZERO N.G.V.D.	421.81	400.0	407.0
MILE	273.2	260.3	241.5
MIN. POOL	434.1	434.0	429.7
03 OCT 2018	26.618(-0.0) 26.581(-5.0)	43.298(-0.0) 43.291(-5.0)	27.738(-0.0) 27.741(-5.0)
04 OCT 2018	26.489(-0.0) 26.491(-5.0)	43.161(-0.0) 43.201(-5.0)	27.793(-0.0) 27.741(-5.0)
19 JUN 2019	31.066(-0.0) 30.921(-4.0)	47.931(-0.0) 47.801(-4.0)	34.788(-0.0) 34.631(-4.0)
20 JUN 2019	X	47.658(-0.0) 47.631(-5.0)	34.268(-0.0) 34.141(-5.0)

Surveyed by: BOWEN ENGINEERING
Survey Date: OCT. 3, 2018 - JUNE 20, 2019
Drawn by: X
Reviewed by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
File name: ###\PROJ\###\EXPRESS\PLATE\###
Plot date: ###\PROJ\###\EXPRESS\PLATE\###

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 DATES INDICATED. THE DEPICTION IS SHOWN AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS

MILE: 255.9 – 257.9

PLATE NUMBER

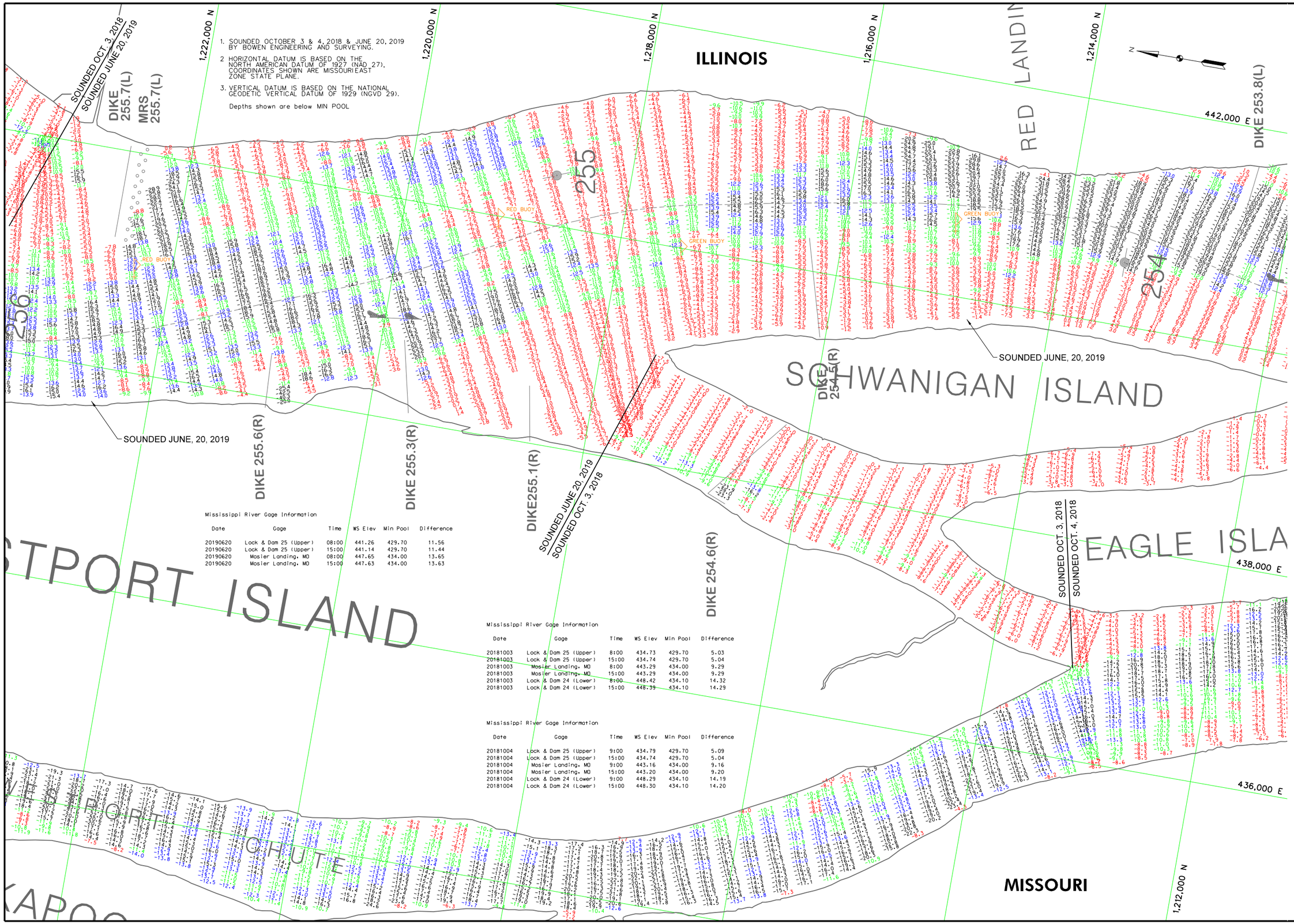
22

1. SOUNDED OCTOBER 3 & 4, 2018 & JUNE 20, 2019 BY BOWEN ENGINEERING AND SURVEYING.

2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE MISSOURIEAST ZONE STATE PLANE.

3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below MIN POOL



Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190620	Lock & Dam 25 (Upper)	08:00	441.26	429.70	11.56
20190620	Lock & Dam 25 (Upper)	15:00	441.14	429.70	11.44
20190620	Mosier Landing, MO	08:00	447.65	434.00	13.65
20190620	Mosier Landing, MO	15:00	447.63	434.00	13.63

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181003	Lock & Dam 25 (Upper)	8:00	434.73	429.70	5.03
20181003	Lock & Dam 25 (Upper)	15:00	434.74	429.70	5.04
20181003	Mosier Landing, MO	8:00	443.29	434.00	9.29
20181003	Mosier Landing, MO	15:00	443.29	434.00	9.29
20181003	Lock & Dam 24 (Lower)	8:00	448.42	434.10	14.32
20181003	Lock & Dam 24 (Lower)	15:00	448.39	434.10	14.29

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181004	Lock & Dam 25 (Upper)	9:00	434.79	429.70	5.09
20181004	Lock & Dam 25 (Upper)	15:00	434.74	429.70	5.04
20181004	Mosier Landing, MO	9:00	443.16	434.00	9.16
20181004	Mosier Landing, MO	15:00	443.20	434.00	9.20
20181004	Lock & Dam 24 (Lower)	9:00	448.29	434.10	14.19
20181004	Lock & Dam 24 (Lower)	15:00	448.30	434.10	14.20

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	L & D 24 LOWER	MOSIER	L&D 25 UPPER
ZERO N.G.V.D.	421.81	400.0	407.0
MILE	273.2	260.3	241.5
MIN. POOL	434.1	434.0	429.7
03 OCT 2018	26.618(00) 26.58(15:00)	43.29(8:00) 43.29(15:00)	27.73(8:00) 27.74(15:00)
04 OCT 2018	26.48(9:00) 26.49(15:00)	43.16(9:00) 43.20(15:00)	27.79(9:00) 27.74(15:00)
20 JUN 2019	X	47.65(8:00) 47.63(15:00)	34.26(8:00) 34.14(15:00)

Surveyed by: BOWEN ENGINEERING
Survey Date: OCT. 3, 2018 - JUNE 20, 2019
Drawn by: X
Reviewed by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
File name: ##########\##########
Plot date: ##########

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

UPPER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER

240 METERS 120 0 120
800 FEET 400 0 400

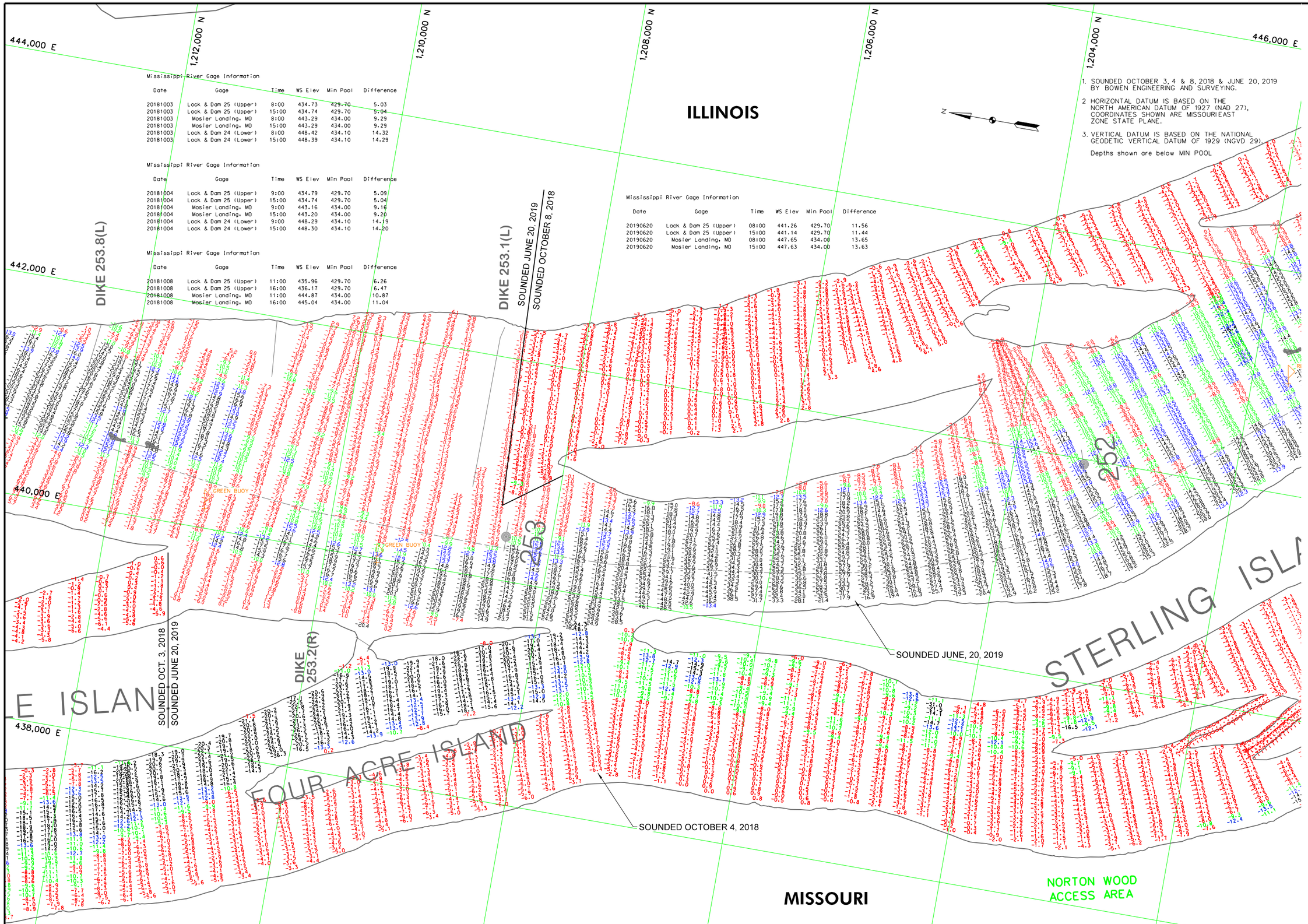
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES SHOWN AND IS ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS

MILE: 253.8 – 255.9

PLATE NUMBER

23



Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181003	Lock & Dam 25 (Upper)	8:00	434.73	429.70	5.03
20181003	Lock & Dam 25 (Upper)	15:00	434.74	429.70	5.04
20181003	Mosier Landing, MO	8:00	443.29	434.00	9.29
20181003	Mosier Landing, MO	15:00	443.29	434.00	9.29
20181003	Lock & Dam 24 (Lower)	8:00	448.42	434.10	14.32
20181003	Lock & Dam 24 (Lower)	15:00	448.39	434.10	14.29

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181004	Lock & Dam 25 (Upper)	9:00	434.79	429.70	5.09
20181004	Lock & Dam 25 (Upper)	15:00	434.74	429.70	5.04
20181004	Mosier Landing, MO	9:00	443.16	434.00	9.16
20181004	Mosier Landing, MO	15:00	443.20	434.00	9.20
20181004	Lock & Dam 24 (Lower)	9:00	448.29	434.10	14.19
20181004	Lock & Dam 24 (Lower)	15:00	448.30	434.10	14.20

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181008	Lock & Dam 25 (Upper)	11:00	435.96	429.70	6.26
20181008	Lock & Dam 25 (Upper)	16:00	436.17	429.70	6.47
20181008	Mosier Landing, MO	11:00	444.87	434.00	10.87
20181008	Mosier Landing, MO	16:00	445.04	434.00	11.04

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190620	Lock & Dam 25 (Upper)	08:00	441.26	429.70	11.56
20190620	Lock & Dam 25 (Upper)	15:00	441.14	429.70	11.44
20190620	Mosier Landing, MO	08:00	447.65	434.00	13.65
20190620	Mosier Landing, MO	15:00	447.63	434.00	13.63

1. SOUNDED OCTOBER 3, 4 & 8, 2018 & JUNE 20, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below MIN POOL

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	L & D 24 LOWER	MOSIER	L&D 25 UPPER
ZERO N.G.V.D.	421.81	400.0	407.0
MILE	273.2	260.3	241.5
MIN. POOL	434.1	434.0	429.7
03 OCT 2018	26.618(00) 26.581(15:00)	43.298(00) 43.291(15:00)	27.738(00) 27.741(15:00)
04 OCT 2018	26.489(00) 26.491(15:00)	43.161(00) 43.201(15:00)	27.793(00) 27.741(15:00)
08 OCT 2018	28.591(00) 28.831(16:00)	44.871(00) 45.041(16:00)	28.961(00) 29.171(16:00)
20 JUN 2019	X	47.658(00) 47.631(15:00)	34.268(00) 34.141(15:00)

Survey Date: OCT. 3, 2018 - JUNE 20, 2019
Surveyed by: BOWEN ENGINEERING
Drawn by: X
Reviewed by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
File name: ##########
Plot date: ##########

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 REPORTED IN THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY THE ST. LOUIS DISTRICT, CORPS OF ENGINEERS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS

MILE: 251.7 – 253.5

PLATE NUMBER

24

Mississippi River Gage Information

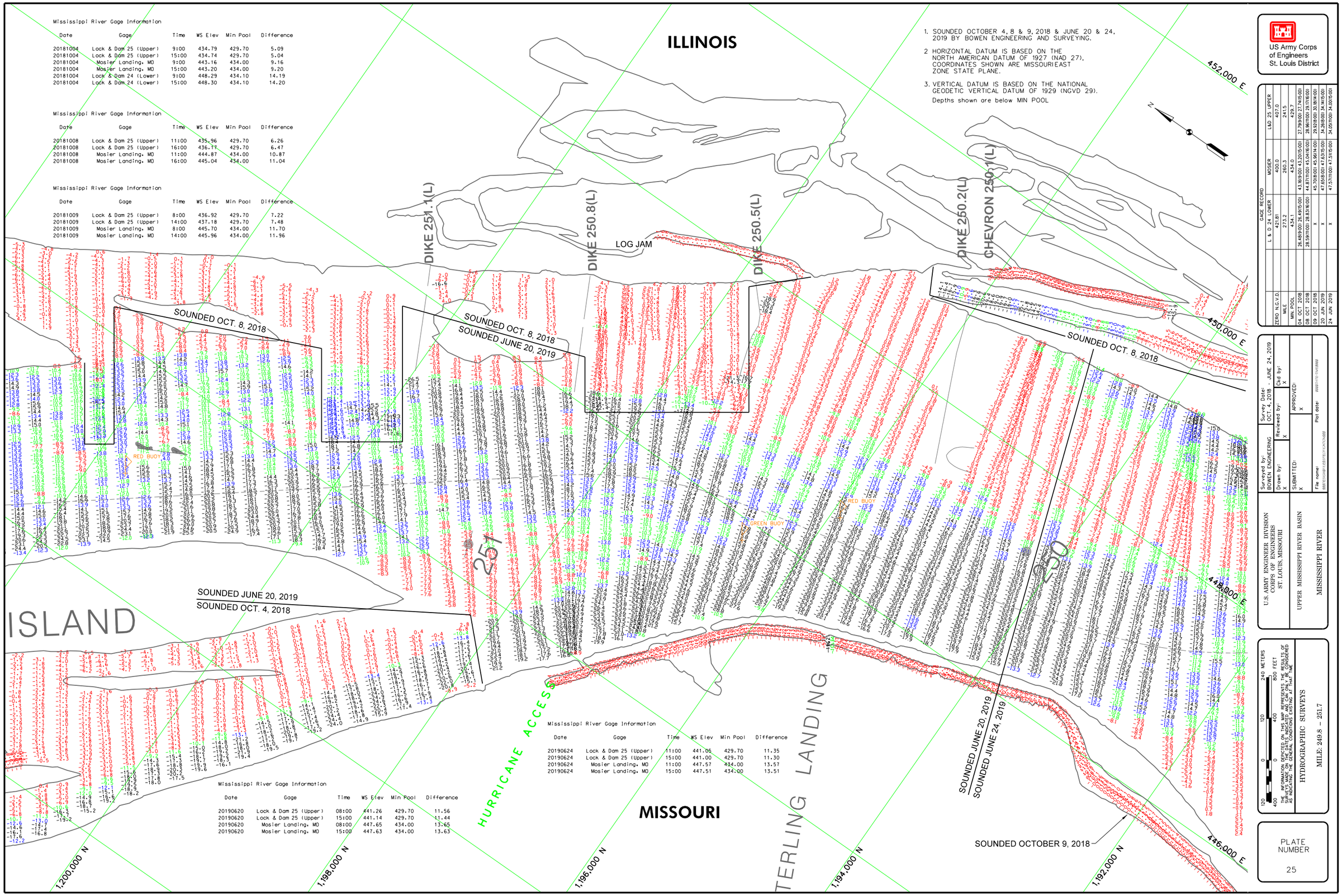
Date	Gage	Time	WS Elev	Min Pool	Difference
20181004	Lock & Dam 25 (Upper)	9:00	434.79	429.70	5.09
20181004	Lock & Dam 25 (Upper)	15:00	434.74	429.70	5.04
20181004	Mosier Landing, MO	9:00	443.16	434.00	9.16
20181004	Mosier Landing, MO	15:00	443.20	434.00	9.20
20181004	Lock & Dam 24 (Lower)	9:00	448.29	434.10	14.19
20181004	Lock & Dam 24 (Lower)	15:00	448.30	434.10	14.20

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181008	Lock & Dam 25 (Upper)	11:00	435.96	429.70	6.26
20181008	Lock & Dam 25 (Upper)	16:00	436.17	429.70	6.47
20181008	Mosier Landing, MO	11:00	444.87	434.00	10.87
20181008	Mosier Landing, MO	16:00	445.04	434.00	11.04

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181009	Lock & Dam 25 (Upper)	8:00	436.92	429.70	7.22
20181009	Lock & Dam 25 (Upper)	14:00	437.18	429.70	7.48
20181009	Mosier Landing, MO	8:00	445.70	434.00	11.70
20181009	Mosier Landing, MO	14:00	445.96	434.00	11.96



Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190624	Lock & Dam 25 (Upper)	11:00	441.05	429.70	11.35
20190624	Lock & Dam 25 (Upper)	15:00	441.00	429.70	11.30
20190624	Mosier Landing, MO	11:00	447.57	434.00	13.57
20190624	Mosier Landing, MO	15:00	447.51	434.00	13.51

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190620	Lock & Dam 25 (Upper)	08:00	441.26	429.70	11.56
20190620	Lock & Dam 25 (Upper)	15:00	441.14	429.70	11.44
20190620	Mosier Landing, MO	08:00	447.65	434.00	13.65
20190620	Mosier Landing, MO	15:00	447.63	434.00	13.63

1. SOUNDED OCTOBER 4, 8 & 9, 2018 & JUNE 20 & 24, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE MISSOURIEAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below MIN POOL

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	L & D 24 LOWER	MOSIER	L&D 25 UPPER
ZERO N.G.V.D.	421.81	400.0	407.0
MILE	273.2	260.3	241.5
MIN. POOL	434.1	434.0	429.7
04 OCT 2018	26.48(9:00) 26.49(15:00)	43.16(9:00) 43.20(15:00)	27.79(9:00) 27.74(15:00)
08 OCT 2018	28.59(11:00) 28.83(16:00)	44.87(11:00) 45.04(16:00)	28.96(11:00) 29.17(16:00)
09 OCT 2018	X	45.70(8:00) 45.96(14:00)	29.92(8:00) 30.18(14:00)
20 JUN 2019	X	47.65(8:00) 47.63(15:00)	34.26(8:00) 34.14(15:00)
24 JUN 2019	X	47.57(11:00) 47.51(15:00)	34.05(11:00) 34.00(15:00)

Surveyed by: BOWEN ENGINEERING
Survey Date: OCT. 4, 2018 - JUNE 24, 2019
Drawn by: X
Reviewed by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
File name: 88888\PDF\88888\HYDROGRAPHIC
Plot date: 88888\PDF\88888\HYDROGRAPHIC

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

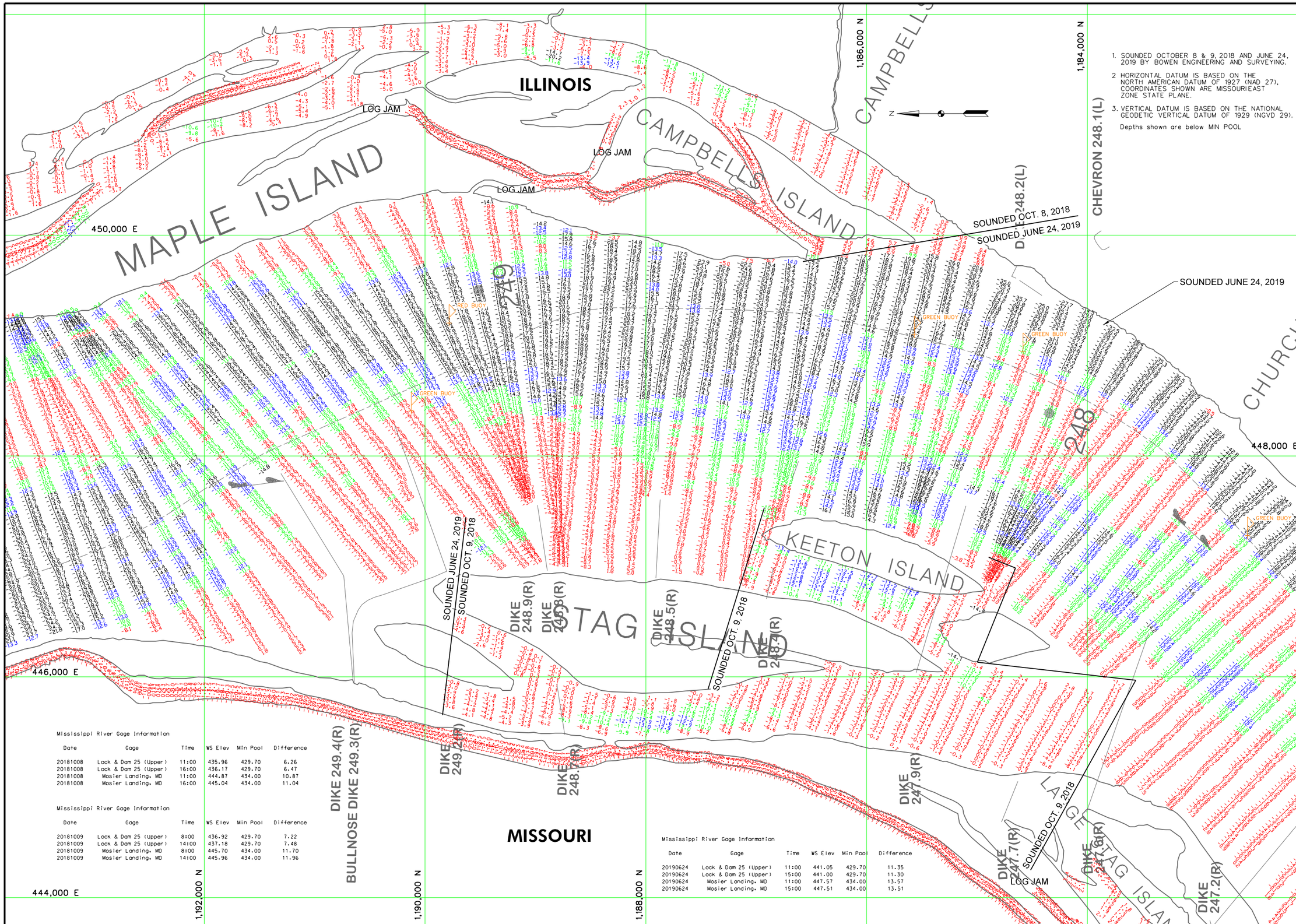
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME INDICATED AND MAY NOT BE ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS

MILE 249.8 – 251.7

PLATE NUMBER

25



1. SOUNDED OCTOBER 8 & 9, 2018 AND JUNE 24, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE MISSOURIEAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below MIN POOL

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181008	Lock & Dam 25 (Upper)	11:00	435.96	429.70	6.26
20181008	Lock & Dam 25 (Upper)	16:00	436.17	429.70	6.47
20181008	Mosier Landing, MO	11:00	444.87	434.00	10.87
20181008	Mosier Landing, MO	16:00	445.04	434.00	11.04

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20181009	Lock & Dam 25 (Upper)	8:00	436.92	429.70	7.22
20181009	Lock & Dam 25 (Upper)	14:00	437.18	429.70	7.48
20181009	Mosier Landing, MO	8:00	445.70	434.00	11.70
20181009	Mosier Landing, MO	14:00	445.96	434.00	11.96

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190624	Lock & Dam 25 (Upper)	11:00	441.05	429.70	11.35
20190624	Lock & Dam 25 (Upper)	15:00	441.00	429.70	11.30
20190624	Mosier Landing, MO	11:00	447.57	434.00	13.57
20190624	Mosier Landing, MO	15:00	447.51	434.00	13.51

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	L & D 24 LOWER	MOSIER	L&D 25 UPPER
ZERO N.G.V.D.	421.81	400.0	407.0
MILE	273.2	260.3	241.5
MIN. POOL	434.1	434.0	429.7
08 OCT 2018	28.59(11:00) 28.83(16:00)	44.87(11:00) 45.04(16:00)	28.96(11:00) 29.17(16:00)
09 OCT 2018	X	45.70(8:00) 45.96(14:00)	29.92(8:00) 30.18(14:00)
24 JUN 2019	X	47.57(11:00) 47.51(15:00)	34.05(11:00) 34.00(15:00)

Survey Date: OCT. 8, 2018 - JUNE 24, 2019

Surveyed by: BOWEN ENGINEERING

Drawn by: X

Reviewed by: X

Ckd by: X

SUBMITTED: X

APPROVED: X

File name: 888888888888888888888888

Plot date: 888888888888888888888888

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 ON THE DATES INDICATED. THE DATA SHOWN IS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS

MILE: 247.8 – 249.8

PLATE NUMBER

26

Mississippi River Gage Information

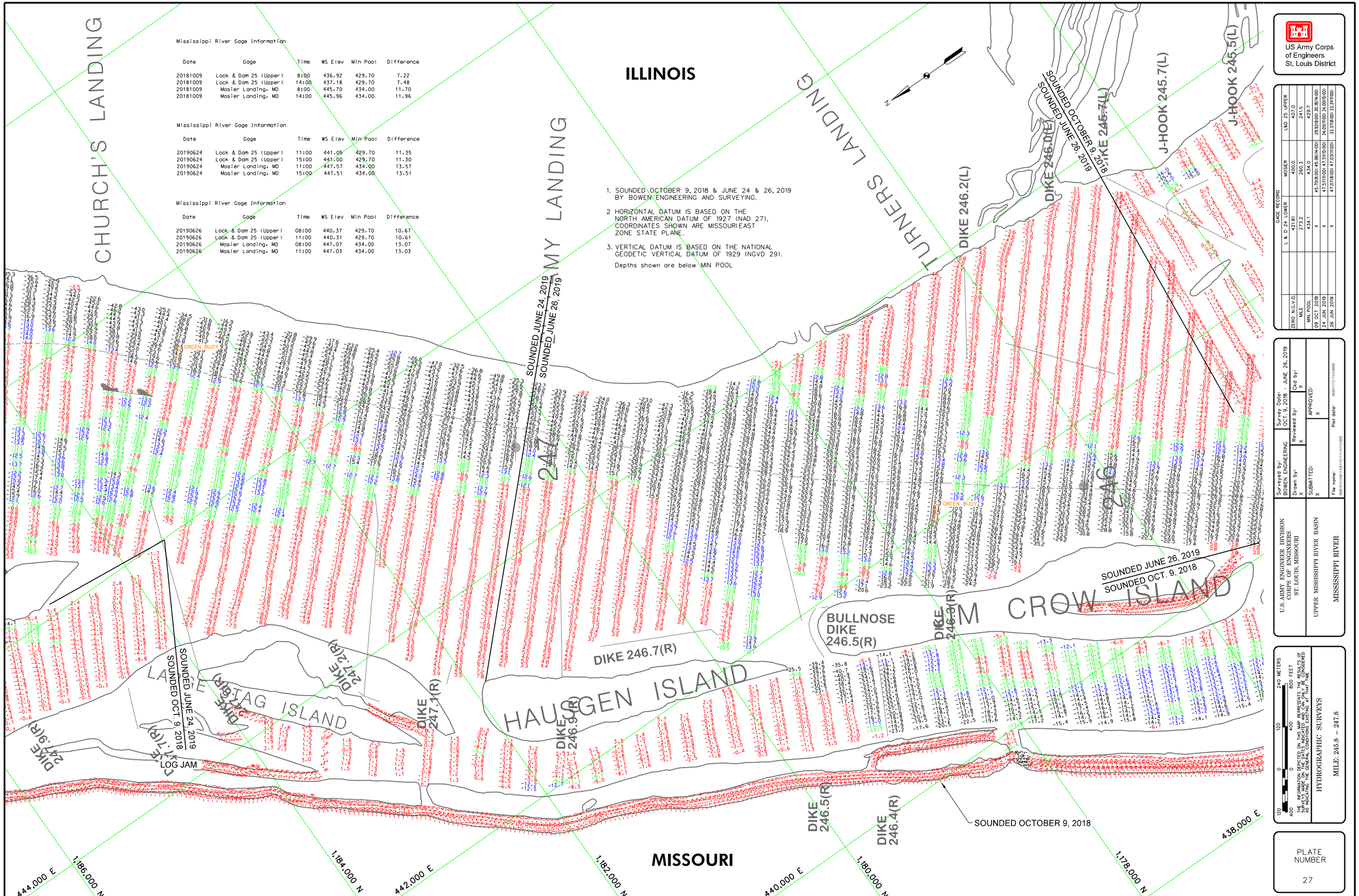
Date	Gage	Time	WS Elev	Min Pool	Difference
20181009	Lock & Dam 25 (Upper)	8:00	436.92	429.70	7.22
20181009	Lock & Dam 25 (Upper)	14:00	437.18	429.70	7.48
20181009	Mosier Landing, MO	8:00	445.70	434.00	11.70
20181009	Mosier Landing, MO	14:00	445.96	434.00	11.96

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190624	Lock & Dam 25 (Upper)	11:00	441.05	429.70	11.35
20190624	Lock & Dam 25 (Upper)	15:00	441.00	429.70	11.30
20190624	Mosier Landing, MO	11:00	447.57	434.00	13.57
20190624	Mosier Landing, MO	15:00	447.51	434.00	13.51

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190626	Lock & Dam 25 (Upper)	08:00	440.37	429.70	10.67
20190626	Lock & Dam 25 (Upper)	11:00	440.31	429.70	10.61
20190626	Mosier Landing, MO	08:00	447.07	434.00	13.07
20190626	Mosier Landing, MO	11:00	447.03	434.00	13.03



1. SOUNDED OCTOBER 9, 2018 & JUNE 24 & 26, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below MIN POOL

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	L & D 24 LOWER	MOSIER	L&D 25 UPPER
ZERO N.G.V.D.	421.81	400.0	407.0
MILE	273.2	260.3	241.5
MIN. POOL	434.1	434.0	429.7
09 OCT 2018	X	45.70(8:00) 45.96(14:00)	29.92(8:00) 30.18(14:00)
24 JUN 2019	X	47.57(11:00) 47.51(15:00)	34.05(11:00) 34.00(15:00)
26 JUN 2019	X	47.07(8:00) 47.03(11:00)	33.37(8:00) 33.31(11:00)

Surveyed by: BOWEN ENGINEERING
Survey Date: OCT. 9, 2018 - JUNE 26, 2019
Drawn by: X
Reviewed by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
File name: ##########.dgn
Plot date: ##########

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

UPPER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER

240 METERS 120 0 120 240
400 0 400 800 FEET

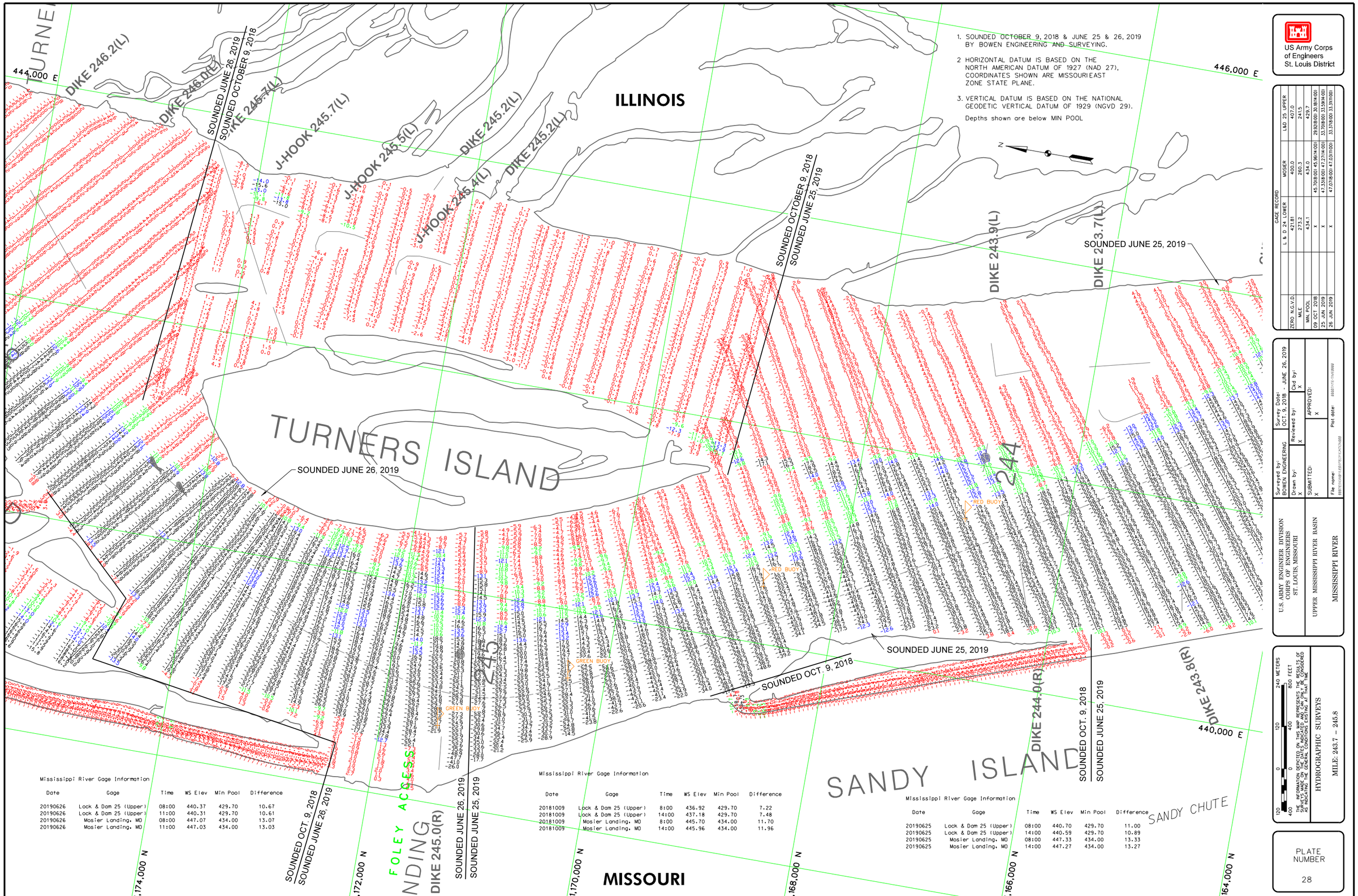
THIS INFORMATION REPRESENTS THE RESULTS OF A SURVEY MADE ON INDICATED DATES AND IS ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS

MILE: 245.8 – 247.8

PLATE NUMBER

27


1. SOUNDED OCTOBER 9, 2018 & JUNE 25 & 26, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2 HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).
Depths shown are below MIN POOL
US Army Corps of Engineers St. Louis District
GAGE RECORD
ZERO N.G.V.D. | L & D 24 LOWER 421.81 | MOSIER 400.0 | L&D 25 UPPER 407.0
MILE | 273.2 | 260.3 | 241.5
MIN. POOL | 434.1 | 434.0 | 429.7
09 OCT 2018 | X | 45.7(08/00) 45.96(14/00) | 29.92(8/00) 30.18(14/00)
25 JUN 2019 | X | 47.33(8/00) 47.27(14/00) | 33.7(08/00) 33.59(14/00)
26 JUN 2019 | X | 47.07(8/00) 47.03(11/00) | 33.37(8/00) 33.31(11/00)
Survey Date: OCT. 9, 2018 - JUNE 26, 2019
Surveyed by: BOWEN ENGINEERING
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
File name:
Plot date:
U.S. ARMY ENGINEER DIVISION CORPS OF ENGINEERS ST. LOUIS, MISSOURI
UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER
HYDROGRAPHIC SURVEYS
MILE: 243.7 – 245.8
240 METERS 120 0 120 240
400 200 0 400 800 FEET
THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF A HYDROGRAPHIC SURVEY PERFORMED ON THE DATES SHOWN AND IS INTENDED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
PLATE NUMBER
28
ILLINOIS
MISSOURI
TURNERS ISLAND
SANDY ISLAND
SANDY CHUTE
FOLEY ACCESS LANDING
DIKE 246.2(L)
DIKE 246.0(L)
DIKE 245.7(L)
J-HOOK 245.7(L)
J-HOOK 245.5(L)
J-HOOK 245.4(L)
DIKE 245.2(L)
DIKE 245.0(R)
DIKE 244.0(R)
DIKE 243.9(L)
DIKE 243.8(R)
DIKE 243.7(L)
SOUNDED JUNE 26, 2019
SOUNDED OCTOBER 9, 2018
SOUNDED JUNE 25, 2019
SOUNDED OCT. 9, 2018
SOUNDED OCTOBER 9, 2018
SOUNDED JUNE 25, 2019
SOUNDED OCT. 9, 2018
SOUNDED JUNE 25, 2019
SOUNDED OCT. 9, 2018
SOUNDED JUNE 26, 2019
SOUNDED JUNE 26, 2019
SOUNDED JUNE 25, 2019
RED BUOY
GREEN BUOY
444,000 E
446,000 E
440,000 E
1,174,000 N
1,172,000 N
1,170,000 N
1,168,000 N
1,166,000 N
1,164,000 N
Mississippi River Gage Information
Date | Gage | Time | WS Elev | Min Pool | Difference
20190626 | Lock & Dam 25 (Upper) | 08:00 | 440.37 | 429.70 | 10.67
20190626 | Lock & Dam 25 (Upper) | 11:00 | 440.31 | 429.70 | 10.61
20190626 | Mosier Landing, MO | 08:00 | 447.07 | 434.00 | 13.07
20190626 | Mosier Landing, MO | 11:00 | 447.03 | 434.00 | 13.03
Mississippi River Gage Information
Date | Gage | Time | WS Elev | Min Pool | Difference
20181009 | Lock & Dam 25 (Upper) | 8:00 | 436.92 | 429.70 | 7.22
20181009 | Lock & Dam 25 (Upper) | 14:00 | 437.18 | 429.70 | 7.48
20181009 | Mosier Landing, MO | 8:00 | 445.70 | 434.00 | 11.70
20181009 | Mosier Landing, MO | 14:00 | 445.96 | 434.00 | 11.96
Mississippi River Gage Information
Date | Gage | Time | WS Elev | Min Pool | Difference
20190625 | Lock & Dam 25 (Upper) | 08:00 | 440.70 | 429.70 | 11.00
20190625 | Lock & Dam 25 (Upper) | 14:00 | 440.59 | 429.70 | 10.89
20190625 | Mosier Landing, MO | 08:00 | 447.33 | 434.00 | 13.33
20190625 | Mosier Landing, MO | 14:00 | 447.27 | 434.00 | 13.27

1. SOUNDED JUNE 25, 2019 BY BOWEN ENGINEERING AND SURVEYING.

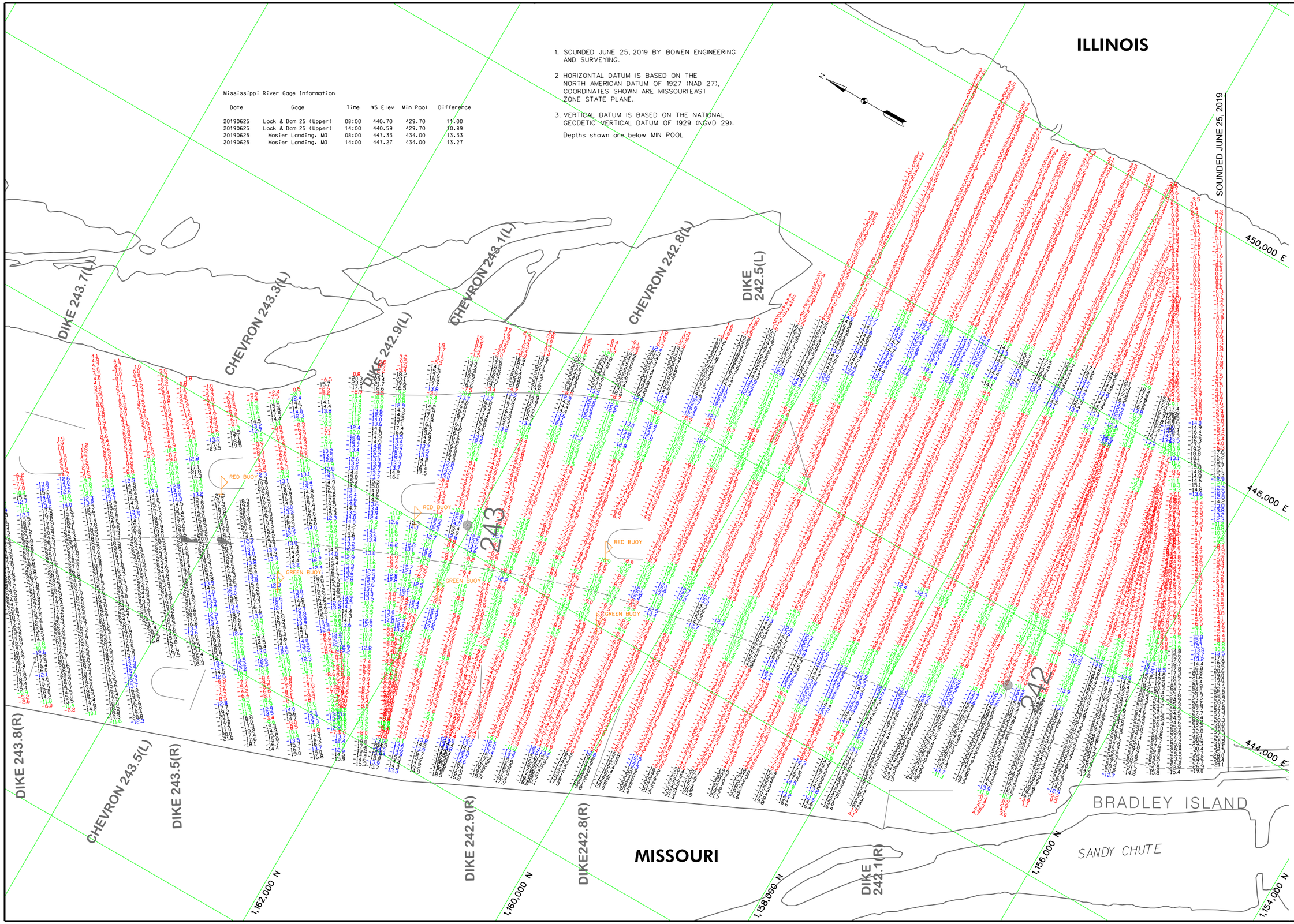
2 HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.

3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below MIN POOL

Mississippi River Gage Information

Date	Gage	Time	WS Elev	Min Pool	Difference
20190625	Lock & Dam 25 (Upper)	08:00	440.70	429.70	11.00
20190625	Lock & Dam 25 (Upper)	14:00	440.59	429.70	10.89
20190625	Mosier Landing, MO	08:00	447.33	434.00	13.33
20190625	Mosier Landing, MO	14:00	447.27	434.00	13.27



US Army Corps of Engineers
St. Louis District

GAGE RECORD

	L & D 24 LOWER	MOSIER	L&D 25 UPPER
ZERO N.G.V.D.	421.81	400.0	407.0
MILE	273.2	260.3	241.5
MIN. POOL	434.1	434.0	429.7
25 JUN 2019	X	47.3368(00) 47.2714(00)	33.7068(00) 33.5694(00)

Surveyed by: BOWEN ENGINEERING
Survey Date: JUNE 25, 2019
Drawn by: X
Reviewed by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
File name: 88880YR19TYNE88888
Plot date: 88880YR19TYNE88888

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 REPORTED IN THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME INDICATED AND MAY NOT BE CORRECT AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS

MILE: 241.6 – 243.7

PLATE NUMBER

29