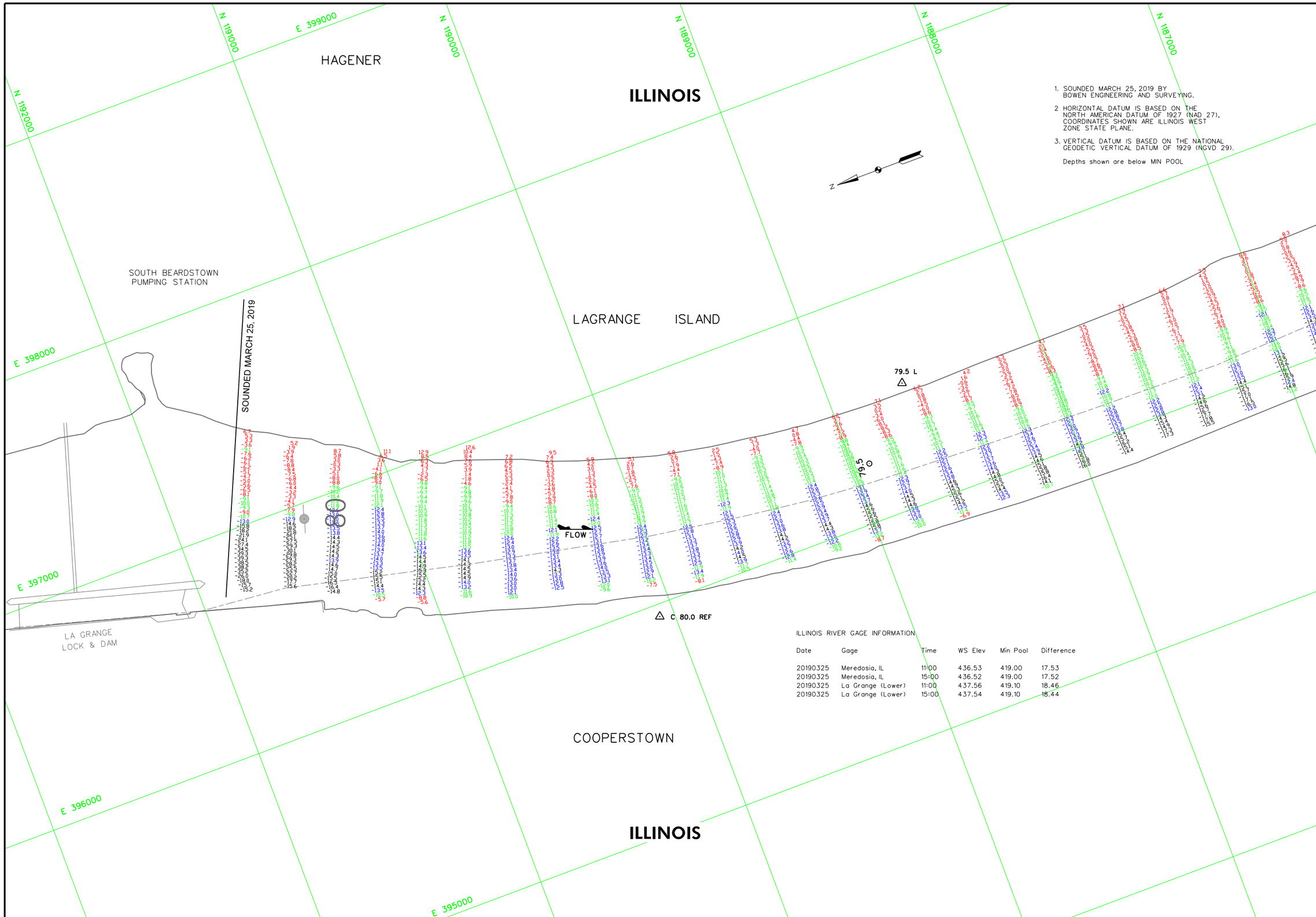


1. SOUNDED MARCH 25, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below MIN POOL

ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190325	Meredosia, IL	11:00	436.53	419.00	17.53
20190325	Meredosia, IL	15:00	436.52	419.00	17.52
20190325	La Grange (Lower)	11:00	437.56	419.10	18.46
20190325	La Grange (Lower)	15:00	437.54	419.10	18.44

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	418.00	413.50
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
25 MAR 2019	X	X	18.53(11:00) 18.52(15:00)	24.06(11:00) 24.04(15:00)

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

ILLINOIS RIVER

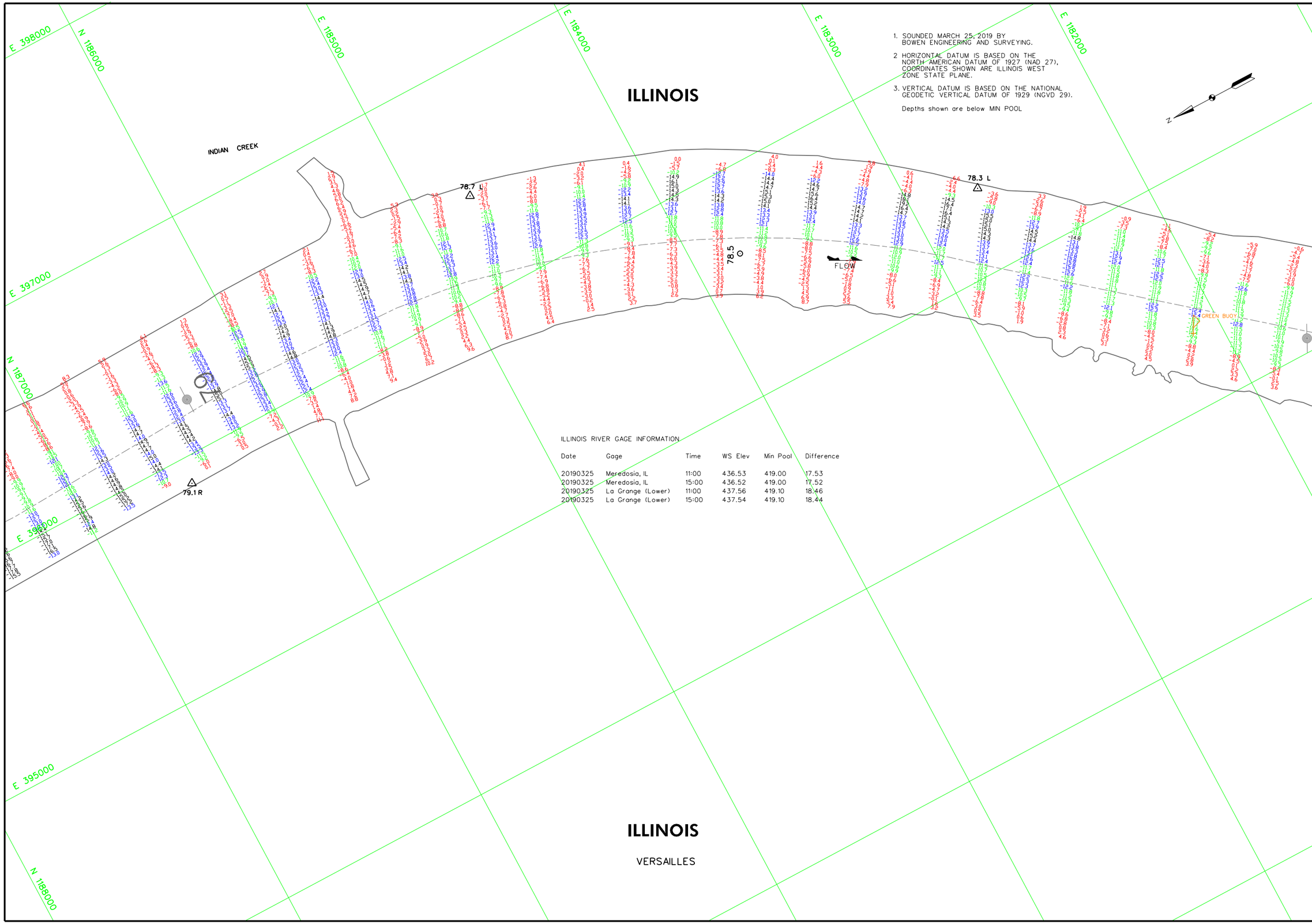
Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 25, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####/##/## ##:##:##
File name: ##########################

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

120 METERS 60 0 60 200
400 FEET 200 0 200 600

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 80.2 – 79.1

PLATE NUMBER
1



1. SOUNDED MARCH 25, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190325	Meredosia, IL	11:00	436.53	419.00	17.53
20190325	Meredosia, IL	15:00	436.52	419.00	17.52
20190325	La Grange (Lower)	11:00	437.56	419.10	18.46
20190325	La Grange (Lower)	15:00	437.54	419.10	18.44

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	418.00	413.50
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
25 MAR 2019	X	X	18.53(11:00) 18.52(15:00)	24.06(11:00) 24.04(15:00)

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 25, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: !!!!!!!!DATE TIME!!!!!!!!
File name: !!!!!!!!SCRIPT FILENAME!!!!!!!!

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

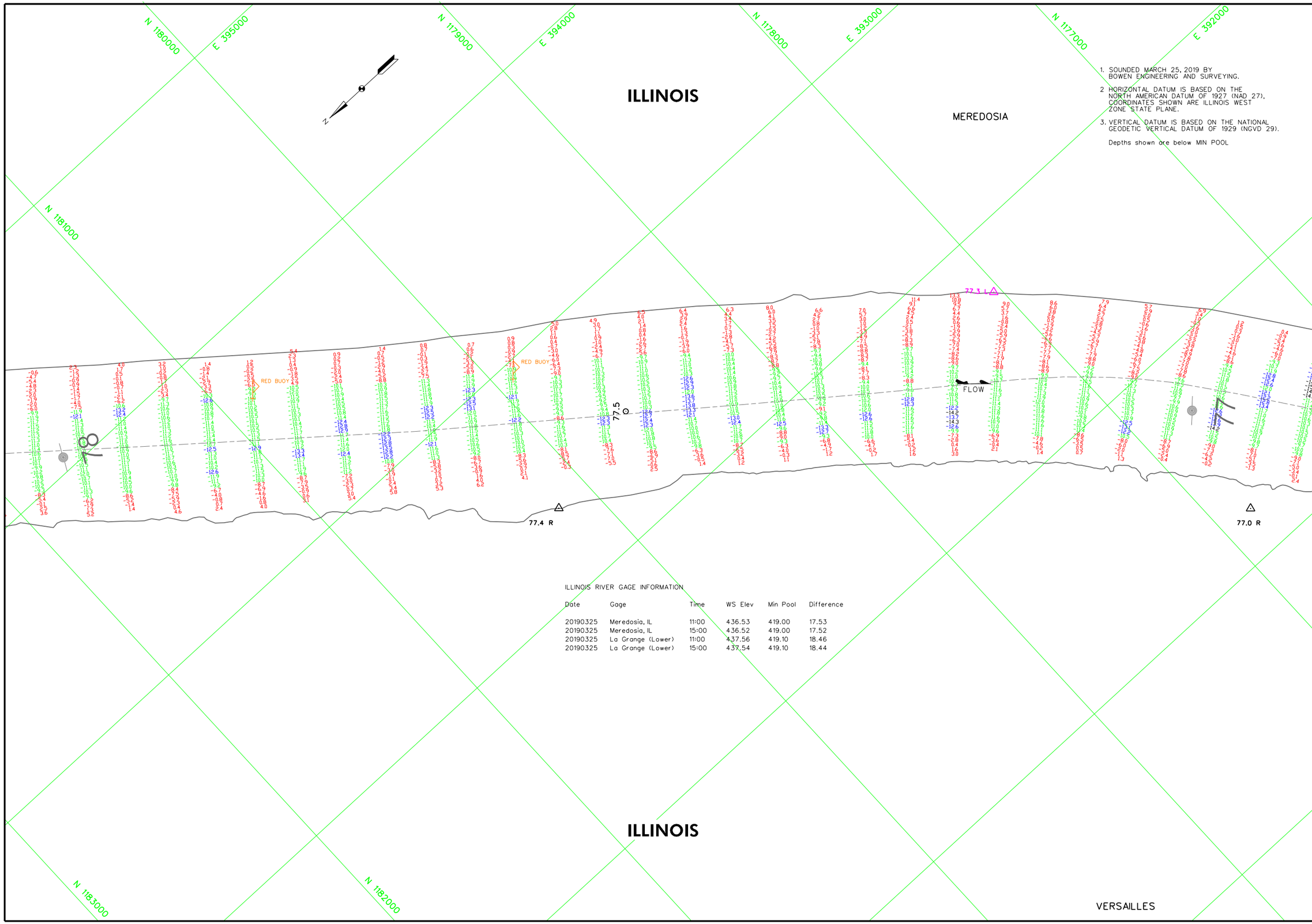
ILLINOIS RIVER

120 METERS 60 0 60 200 400 FEET

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 79.1 – 79

PLATE NUMBER
2



1. SOUNDED MARCH 25, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190325	Meredosia, IL	11:00	436.53	419.00	17.53
20190325	Meredosia, IL	15:00	436.52	419.00	17.52
20190325	La Grange (Lower)	11:00	437.56	419.10	18.46
20190325	La Grange (Lower)	15:00	437.54	419.10	18.44

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	418.00	413.50
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
25 MAR 2019	X	X	18.53(11:00) 18.52(15:00)	24.06(11:00) 24.04(15:00)

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

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

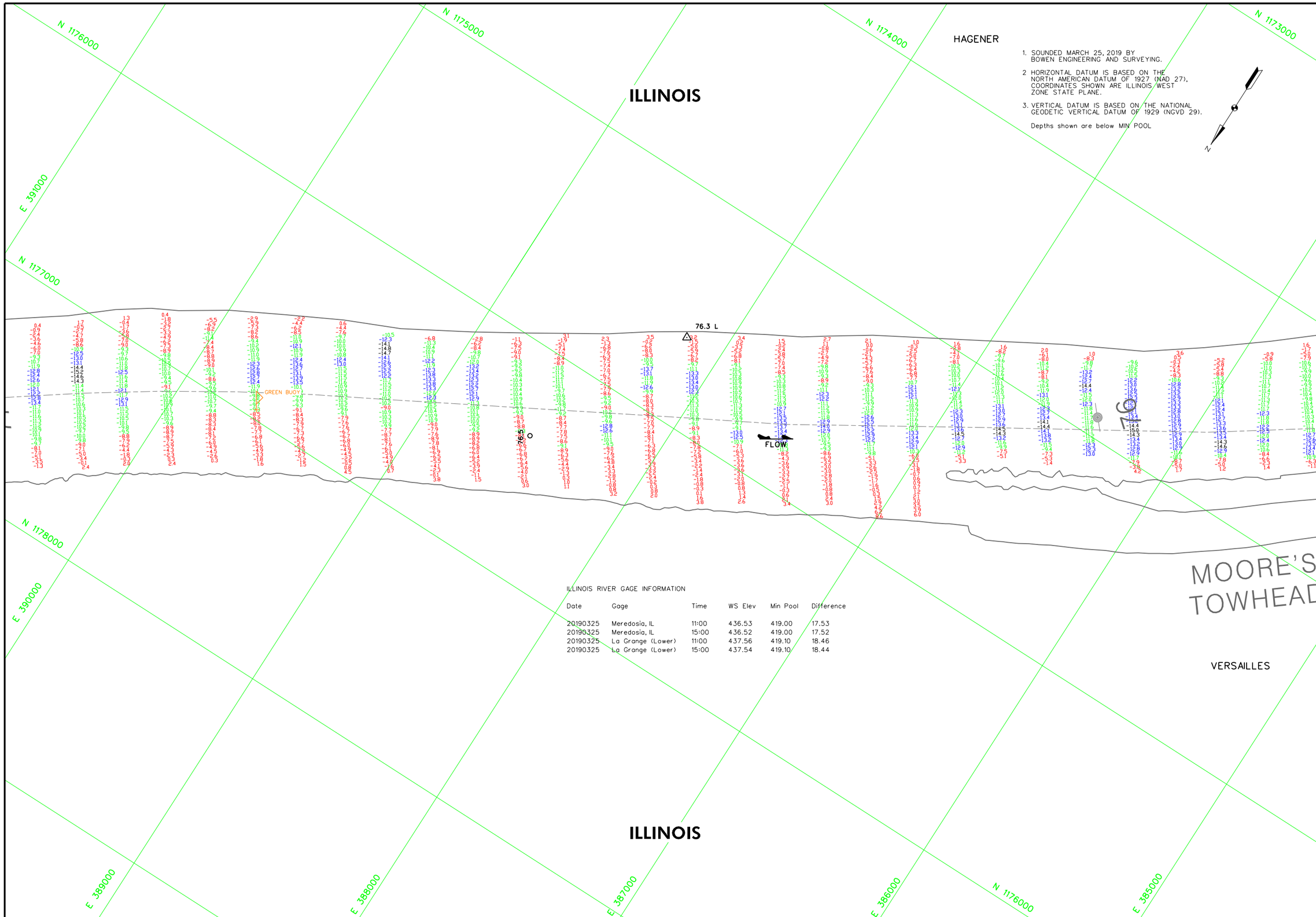
ILLINOIS RIVER

120 METERS
400 FEET
60 0 60
0 200
60 200

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 78 – 76.9

PLATE NUMBER
3



ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190325	Meredosia, IL	11:00	436.53	419.00	17.53
20190325	Meredosia, IL	15:00	436.52	419.00	17.52
20190325	La Grange (Lower)	11:00	437.56	419.10	18.46
20190325	La Grange (Lower)	15:00	437.54	419.10	18.44

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	418.00	413.50
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
25 MAR 2019	X	X	18.53(11:00) 18.52(15:00)	24.06(11:00) 24.04(15:00)

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 25, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####/##/## ##:##
File name: ##########.DWG

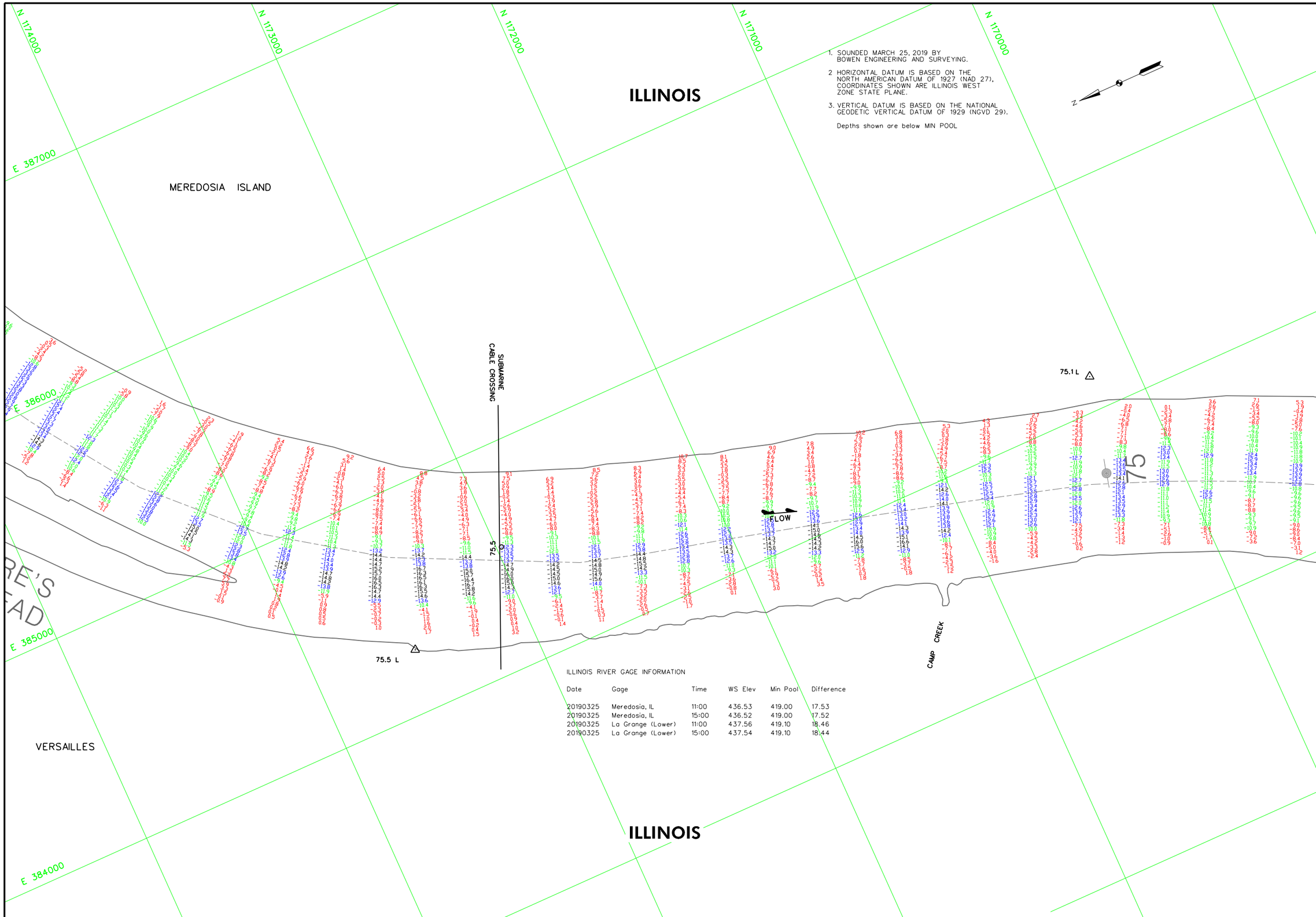
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER

120 METERS
400 FEET
THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED. THE DEPTHS ARE SHOWN AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 76.9 – 75.9

PLATE NUMBER
4



1. SOUNDED MARCH 25, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190325	Meredosia, IL	11:00	436.53	419.00	17.53
20190325	Meredosia, IL	15:00	436.52	419.00	17.52
20190325	La Grange (Lower)	11:00	437.56	419.10	18.46
20190325	La Grange (Lower)	15:00	437.54	419.10	18.44

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	418.00	413.50
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
25 MAR 2019	X	X	18.53(11:00) 18.52(15:00)	24.06(11:00) 24.04(15:00)

Survey Date: MARCH 25, 2019

Surveyed by: BOWEN ENGINEERING

Drawn by: X

Ckd by: X

Reviewed by: X

SUBMITTED: X

APPROVED: X

Plot date: $$$$$$YYYY.TIME$$$$$$

File name: $$$$$$DRIVE:\$$$$$$FOLDER\$$$$$$FILENAME.DGN

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

ILLINOIS RIVER

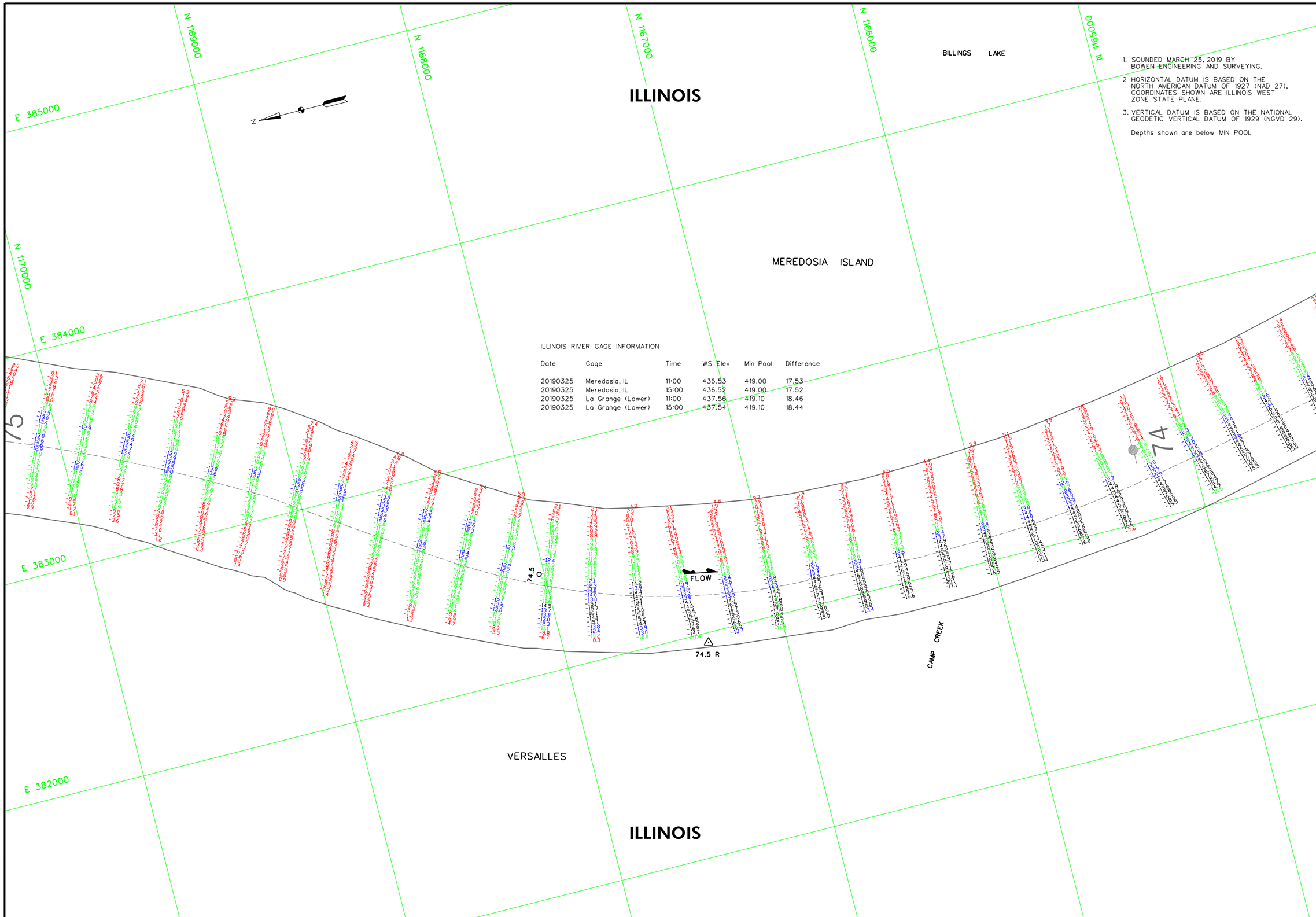
60 200 0 0 60 120 METERS
200 400 FEET

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 75.9 – 74.9

PLATE NUMBER

5



1. SOUNDED MARCH 25, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190325	Meredosia, IL	11:00	436.53	419.00	17.53
20190325	Meredosia, IL	15:00	436.52	419.00	17.52
20190325	La Grange (Lower)	11:00	437.56	419.10	18.46
20190325	La Grange (Lower)	15:00	437.54	419.10	18.44

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	418.00	413.50
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
25 MAR 2019	X	X	18.53(11:00) 18.52(15:00)	24.06(11:00) 24.04(15:00)

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 25, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####/##/## ##:##:## AM
File name: ####/##/## SURVEY FLIBOTTOM CROSS SECTIONS.DWG

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

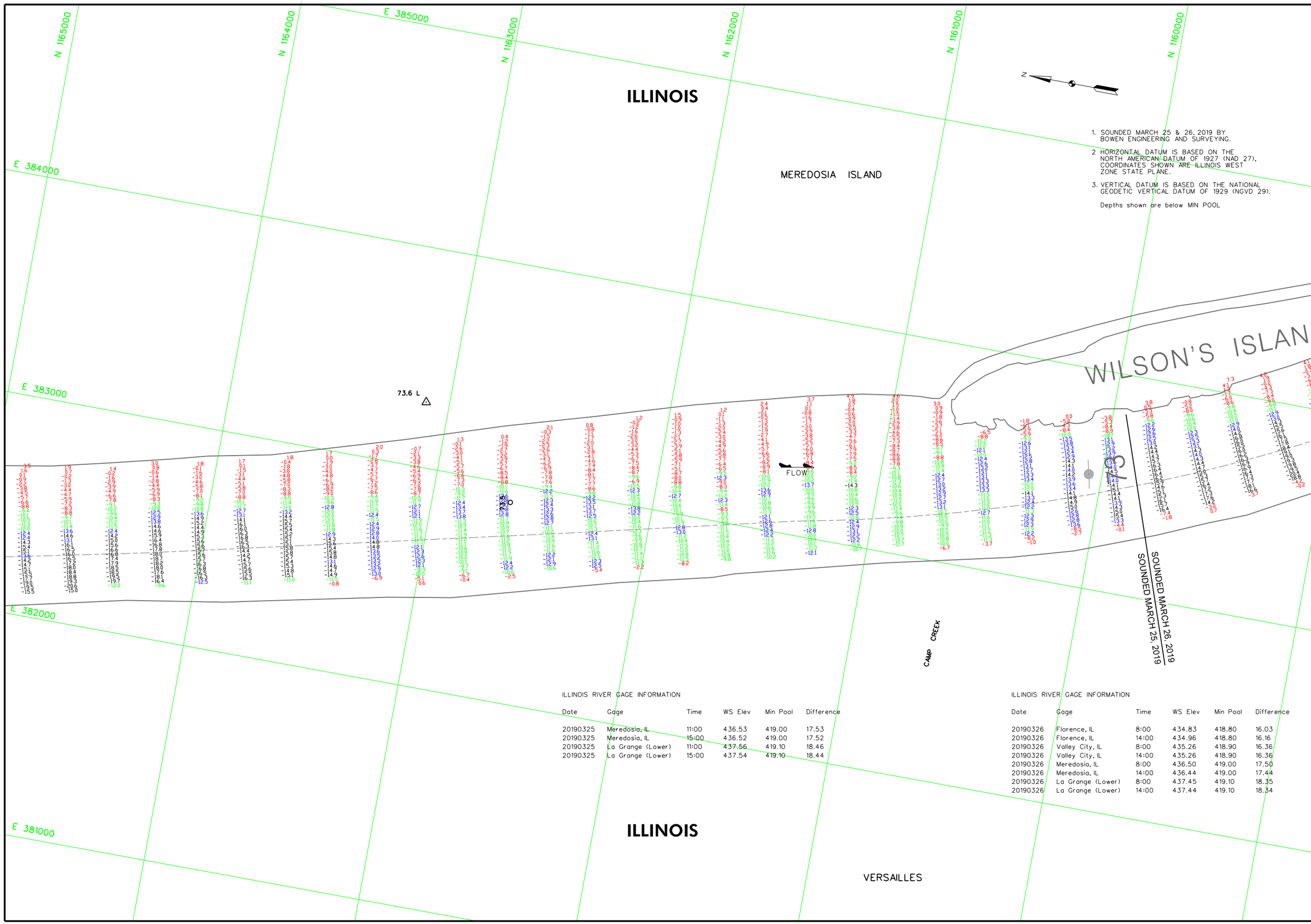
ILLINOIS RIVER

120 METERS 60 0 60 120
400 FEET 200 0 200 400

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 74.9 – 73.9

PLATE NUMBER
6



1. SOUNDED MARCH 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 ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190325	Meredosia, IL	11:00	436.53	419.00	17.53
20190325	Meredosia, IL	15:00	436.52	419.00	17.52
20190325	La Grange (Lower)	11:00	437.56	419.10	18.46
20190325	La Grange (Lower)	15:00	437.54	419.10	18.44

ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190326	Florence, IL	8:00	434.83	418.80	16.03
20190326	Florence, IL	14:00	434.96	418.80	16.16
20190326	Valley City, IL	8:00	435.26	418.90	16.36
20190326	Valley City, IL	14:00	435.26	418.90	16.36
20190326	Meredosia, IL	8:00	436.50	419.00	17.50
20190326	Meredosia, IL	14:00	436.44	419.00	17.44
20190326	La Grange (Lower)	8:00	437.45	419.10	18.35
20190326	La Grange (Lower)	14:00	437.44	419.10	18.34

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	418.00	413.50
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
25 MAR 2019	X	X	18.53(11:00) 18.52(15:00)	24.06(11:00) 24.04(15:00)
26 MAR 2019	34.83(8:00) 34.96(14:00)	17.26(8:00) 17.26(14:00)	18.50(8:00) 18.44(14:00)	23.95(8:00) 23.94(14:00)

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

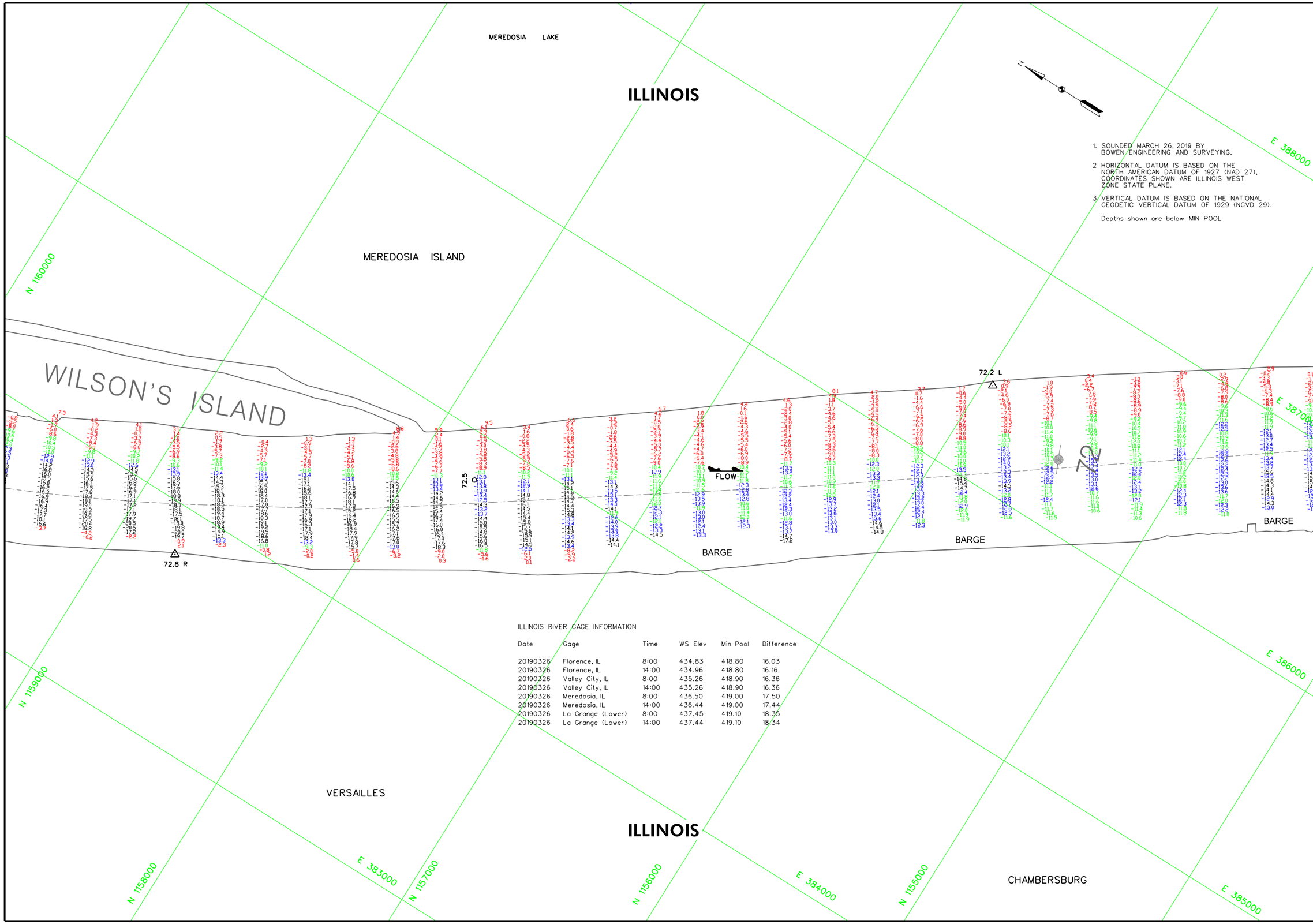
Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 25 & 26, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####/##/##
File name: ##########

ILLINOIS RIVER

120 METERS
400 FEET
THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF THE SURVEY MADE ON THE DATES SHOWN AND MAY NOT BE ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 73.9 – 72.9

PLATE NUMBER
7



1. SOUNDED MARCH 26, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190326	Florence, IL	8:00	434.83	418.80	16.03
20190326	Florence, IL	14:00	434.96	418.80	16.16
20190326	Valley City, IL	8:00	435.26	418.90	16.36
20190326	Valley City, IL	14:00	435.26	418.90	16.36
20190326	Meredosia, IL	8:00	436.50	419.00	17.50
20190326	Meredosia, IL	14:00	436.44	419.00	17.44
20190326	La Grange (Lower)	8:00	437.45	419.10	18.35
20190326	La Grange (Lower)	14:00	437.44	419.10	18.34

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	418.00	413.50
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
26 MAR 2019	34.83/8:00	34.96/14:00	17.26/8:00	17.26/14:00	18.50/8:00	18.44/14:00	23.95/8:00	23.94/14:00

Survey Date: MARCH 26, 2019
Surveyed by: BOWEN ENGINEERING
Reviewed by: X
Drawn by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
Plot date: $$$$DATE,TIME$$$$
File name: $$$$DRIVE:\USERFOLDER\FOLDER\FILENAME$$$$

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

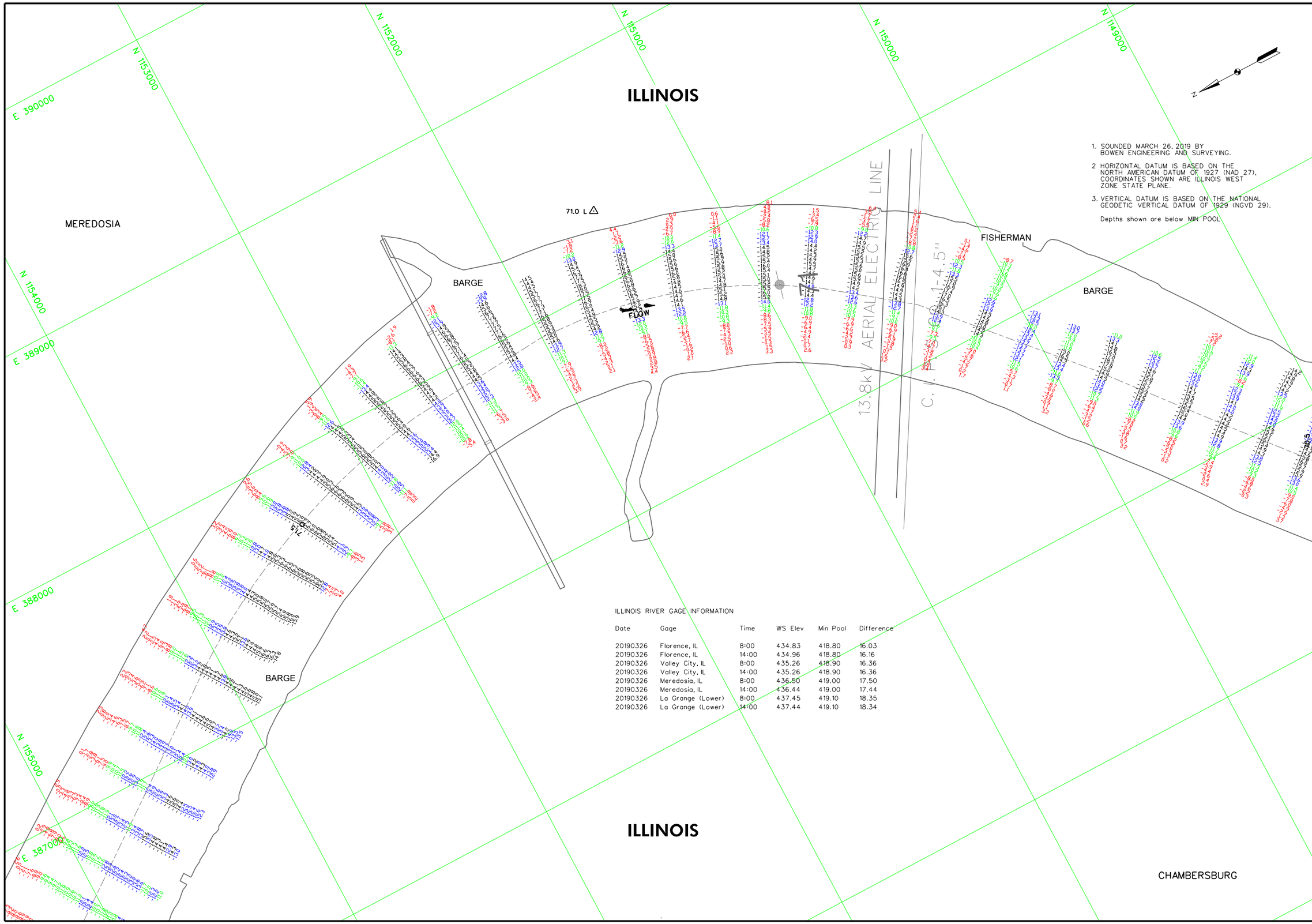
ILLINOIS RIVER

120 METERS 400 FEET
60 200
0 0
60 200

THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE IN THE FIELD, AND IS PRESENTED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 72.9 – 71.9

PLATE NUMBER
8



ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190326	Florence, IL	8:00	434.83	418.80	16.03
20190326	Florence, IL	14:00	434.96	418.80	16.16
20190326	Valley City, IL	8:00	435.26	418.90	16.36
20190326	Valley City, IL	14:00	435.26	418.90	16.36
20190326	Meredosia, IL	8:00	436.50	419.00	17.50
20190326	Meredosia, IL	14:00	436.44	419.00	17.44
20190326	La Grange (Lower)	8:00	437.45	419.10	18.35
20190326	La Grange (Lower)	14:00	437.44	419.10	18.34

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	418.00	413.50
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
26 MAR 2019	14.83/8:00	34.96/14:00	17.26/8:00	17.26/14:00	18.50/8:00	18.44/14:00	23.95/8:00	23.94/14:00

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 26, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ##########
File name: ##########

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

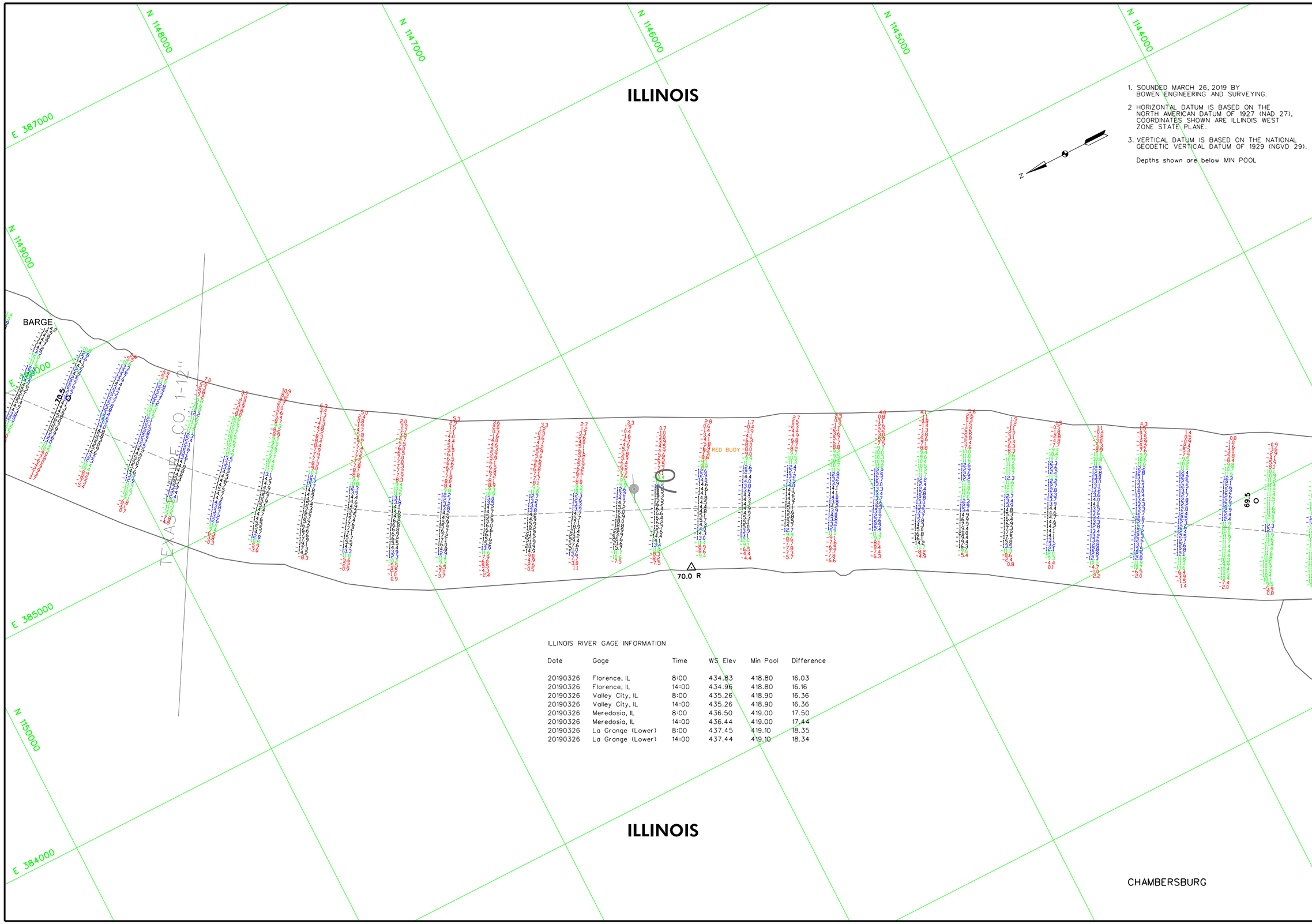
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200 600

THE INFORMATION DEPICTED 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
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 71.9 – 70.5

PLATE NUMBER
9



1. SOUNDED MARCH 26, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190326	Florence, IL	8:00	434.83	418.80	16.03
20190326	Florence, IL	14:00	434.96	418.80	16.16
20190326	Valley City, IL	8:00	435.26	418.90	16.36
20190326	Valley City, IL	14:00	435.26	418.90	16.36
20190326	Meredosia, IL	8:00	436.50	419.00	17.50
20190326	Meredosia, IL	14:00	436.44	419.00	17.44
20190326	La Grange (Lower)	8:00	437.45	419.10	18.35
20190326	La Grange (Lower)	14:00	437.44	419.10	18.34

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	418.00	413.50
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
26 MAR 2019	34.83/8:00	34.96/14:00	17.26/8:00	17.26/14:00	18.50/8:00	18.44/14:00	23.95/8:00	23.94/14:00

Survey Date: MARCH 26, 2019

Surveyed by: BOWEN ENGINEERING

Reviewed by: X

Drawn by: X

Ckd by: X

SUBMITTED: X

APPROVED: X

Plot date: 8/8/2019 7:14:23 AM

File name: R:\ER\SOUNDING\SURVEY\CAD\CONS\

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

ILLINOIS RIVER

120 METERS 0 60 200
400 FEET 0 200 60

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
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 70.5 – 69.5

PLATE NUMBER

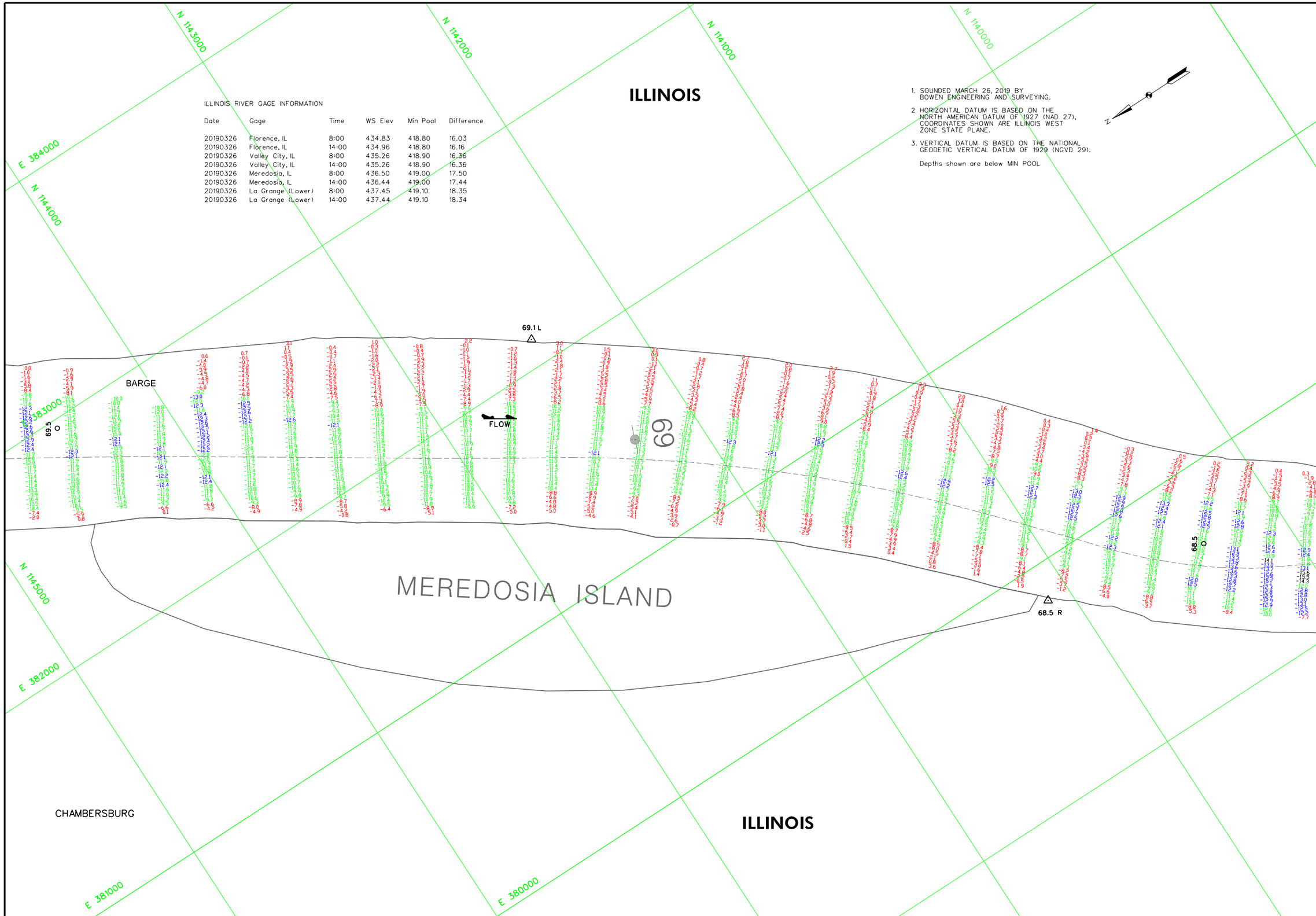
10

ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190326	Florence, IL	8:00	434.83	418.80	16.03
20190326	Florence, IL	14:00	434.96	418.80	16.16
20190326	Valley City, IL	8:00	435.26	418.90	16.36
20190326	Valley City, IL	14:00	435.26	418.90	16.36
20190326	Meredosia, IL	8:00	436.50	419.00	17.50
20190326	Meredosia, IL	14:00	436.44	419.00	17.44
20190326	La Grange (Lower)	8:00	437.45	419.10	18.35
20190326	La Grange (Lower)	14:00	437.44	419.10	18.34

1. SOUNDED MARCH 26, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	413.50	
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
26 MAR 2019	34.83@00:34.96@14:00	17.26@8:00 17.26@14:00	18.50@8:00 18.44@14:00	23.95@8:00 23.94@14:00

Survey Date: MARCH 26, 2019
Surveyed by: BOWEN ENGINEERING
Reviewed by: X
Drawn by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
Plot date: ####-##-## ##:##:##
File name: ###\###\###\###\###.DGN

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

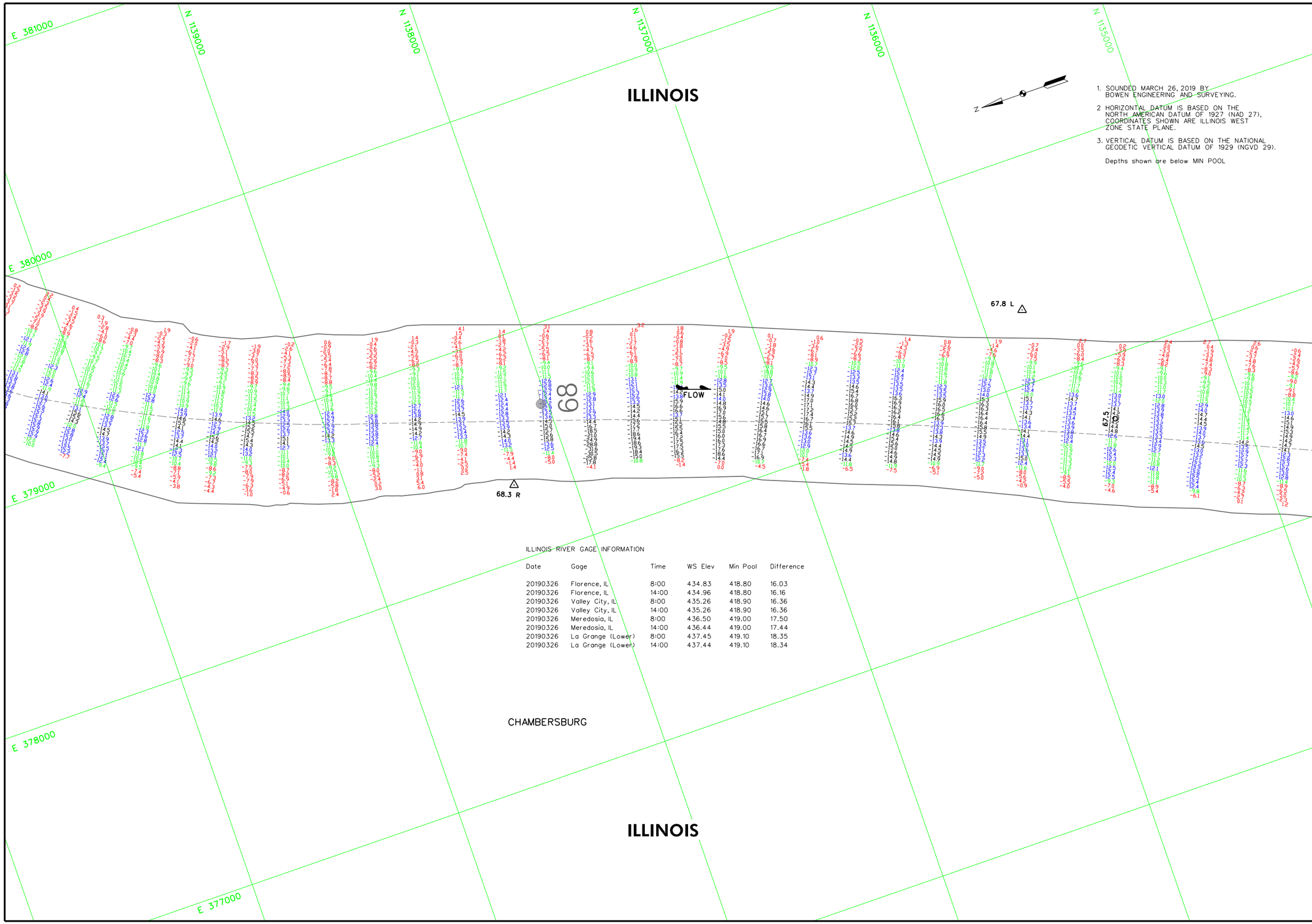
ILLINOIS RIVER

120 METERS 0 60 200
400 FEET 0 60 200

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER - MILES 80 TO 0
RIVER MILES 69.5 - 68.5

PLATE NUMBER
11



1. SOUNDED MARCH 26, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190326	Florence, IL	8:00	434.83	418.80	16.03
20190326	Florence, IL	14:00	434.96	418.80	16.16
20190326	Valley City, IL	8:00	435.26	418.90	16.36
20190326	Valley City, IL	14:00	435.26	418.90	16.36
20190326	Meredosia, IL	8:00	436.50	419.00	17.50
20190326	Meredosia, IL	14:00	436.44	419.00	17.44
20190326	La Grange (Lower)	8:00	437.45	419.10	18.35
20190326	La Grange (Lower)	14:00	437.44	419.10	18.34

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	418.00	413.50
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
26 MAR 2019	34.83/8:00	34.96/14:00	17.26/8:00	17.26/14:00	18.50/8:00	18.44/14:00	23.95/8:00	23.94/14:00

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 26, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ##########
File name: ##########

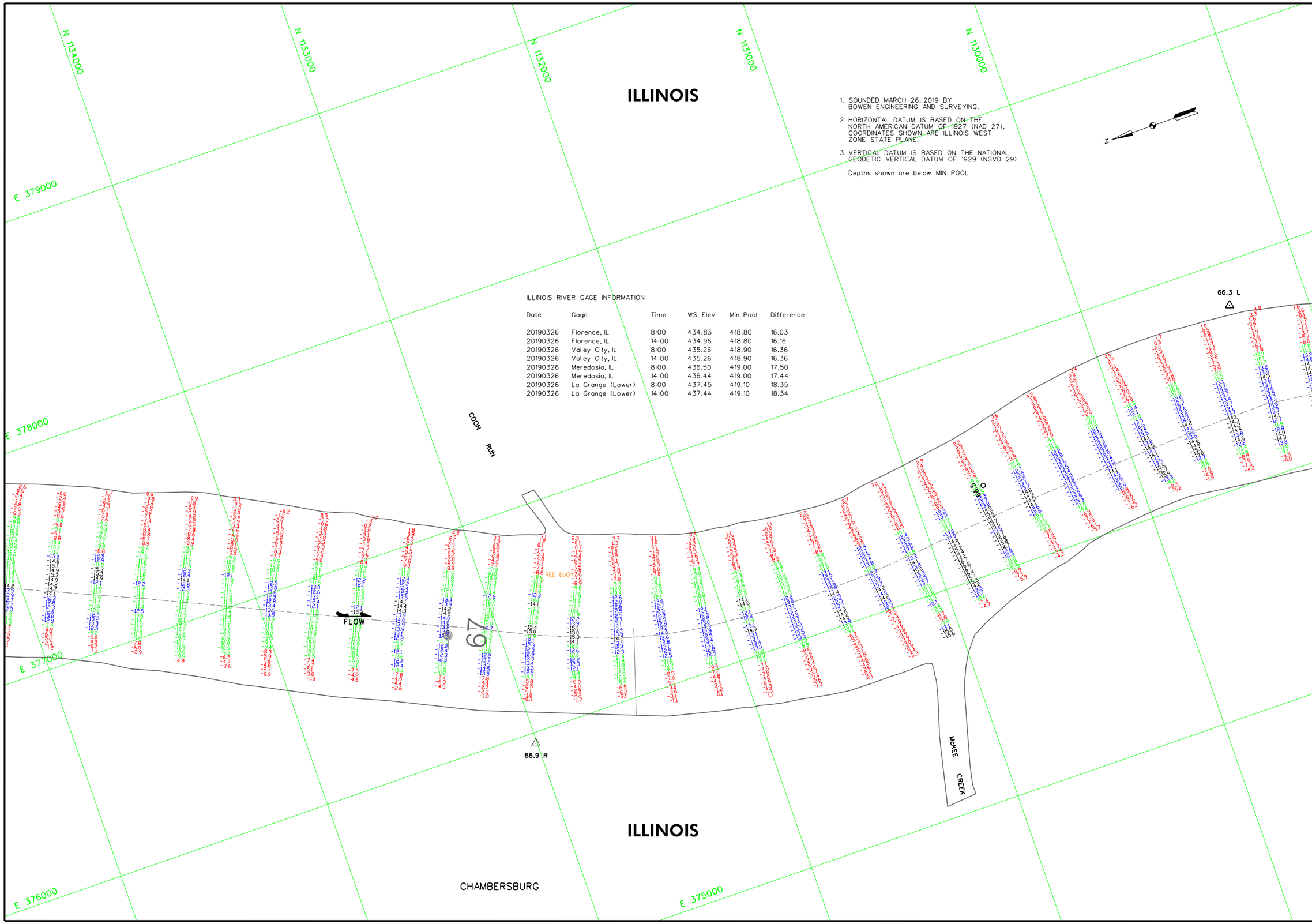
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER

120 METERS
400 FEET
60 0 60
200 0 200
THE INFORMATION REPORTED IN THIS MAP REPRESENTS THE RESULTS OF HYDROGRAPHIC SURVEYS PERFORMED BY THE CORPS OF ENGINEERS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 68.5 – 67.4

PLATE NUMBER
12



1. SOUNDED MARCH 26, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190326	Florence, IL	8:00	434.83	418.80	16.03
20190326	Florence, IL	14:00	434.96	418.80	16.16
20190326	Valley City, IL	8:00	435.26	418.90	16.36
20190326	Valley City, IL	14:00	435.26	418.90	16.36
20190326	Meredosia, IL	8:00	436.50	419.00	17.50
20190326	Meredosia, IL	14:00	436.44	419.00	17.44
20190326	La Grange (Lower)	8:00	437.45	419.10	18.35
20190326	La Grange (Lower)	14:00	437.44	419.10	18.34

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	418.00	413.50
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
26 MAR 2019	34.83/8:00	34.96/14:00	17.26/8:00	17.26/14:00	18.50/8:00	18.44/14:00	23.95/8:00	23.94/14:00

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

ILLINOIS RIVER

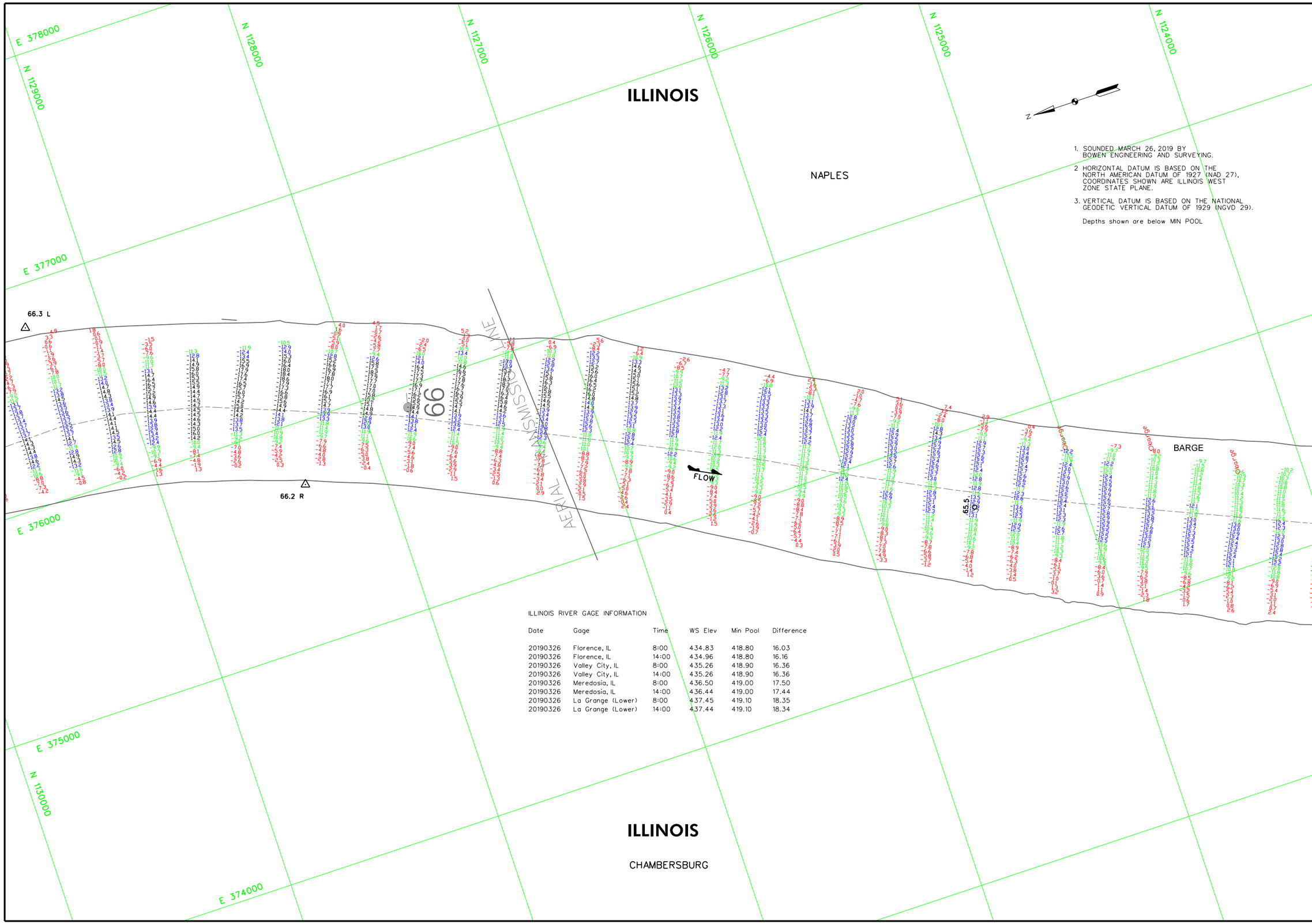
Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 26, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####DATE-TIME####
File name: ####DRAWING NUMBER####

120 METERS 60 0 60 200
400 FEET 200 0 200 600

THIS MAP REPRESENTS THE RESULTS OF SURVEY INFORMATION OBTAINED BY BOWEN ENGINEERING AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 67.4 – 66.3

PLATE NUMBER
13



1. SOUNDED MARCH 26, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190326	Florence, IL	8:00	434.83	418.80	16.03
20190326	Florence, IL	14:00	434.96	418.80	16.16
20190326	Valley City, IL	8:00	435.26	418.90	16.36
20190326	Valley City, IL	14:00	435.26	418.90	16.36
20190326	Meredosia, IL	8:00	436.50	419.00	17.50
20190326	Meredosia, IL	14:00	436.44	419.00	17.44
20190326	La Grange (Lower)	8:00	437.45	419.10	18.35
20190326	La Grange (Lower)	14:00	437.44	419.10	18.34

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	418.00	413.50
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
26 MAR 2019	34.83@00:34.96@14:00	17.26@8:00 17.26@14:00	18.50@8:00 18.44@14:00	23.95@8:00 23.94@14:00

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 26, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ########
File name: ########

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

ILLINOIS RIVER

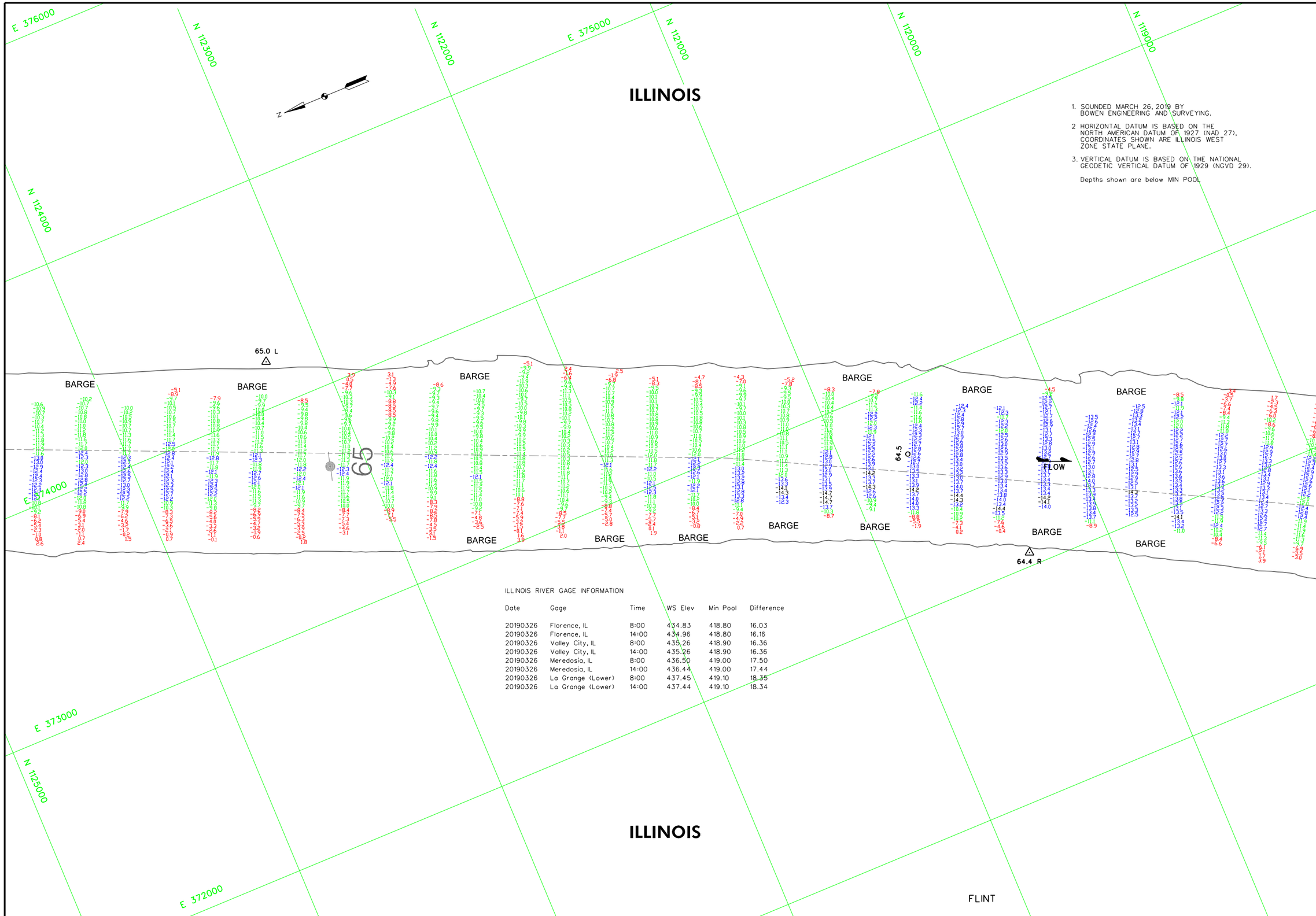
120 METERS 60 0 60 200
400 FEET 200 0 200 600

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 66.3 – 65.2

PLATE NUMBER

14



1. SOUNDED MARCH 26, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190326	Florence, IL	8:00	434.83	418.80	16.03
20190326	Florence, IL	14:00	434.96	418.80	16.16
20190326	Valley City, IL	8:00	435.26	418.90	16.36
20190326	Valley City, IL	14:00	435.26	418.90	16.36
20190326	Meredosia, IL	8:00	436.50	419.00	17.50
20190326	Meredosia, IL	14:00	436.44	419.00	17.44
20190326	La Grange (Lower)	8:00	437.45	419.10	18.35
20190326	La Grange (Lower)	14:00	437.44	419.10	18.34

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	418.00	413.50
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
26 MAR 2019	34.83/8:00	34.96/14:00	17.26/8:00	17.26/14:00	18.50/8:00	18.44/14:00	23.95/8:00	23.94/14:00

Survey Date: MARCH 26, 2019
Surveyed by: BOWEN ENGINEERING
Reviewed by: X
Drawn by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
Plot date: ####/##/## ##:##:##
File name: W:\#####\CAD\#####\DWG\#####

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

ILLINOIS RIVER

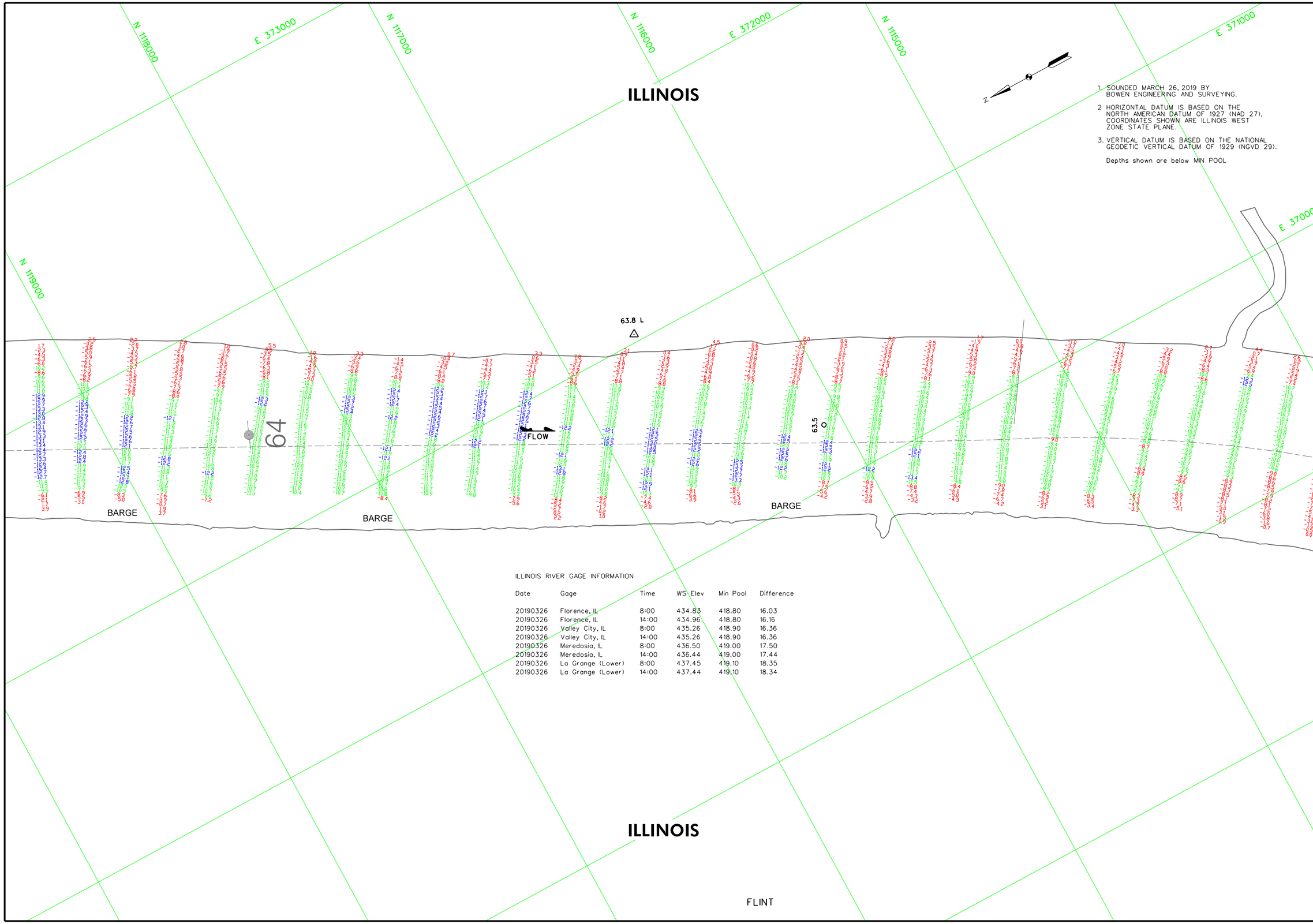
120 METERS 60 0 60 200
400 FEET 200 0 200 600

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER - MILES 80 TO 0
RIVER MILES 65.2 - 64.2

PLATE NUMBER

15



1. SOUNDED MARCH 26, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190326	Florence, IL	8:00	434.83	418.80	16.03
20190326	Florence, IL	14:00	434.96	418.80	16.16
20190326	Valley City, IL	8:00	435.26	418.90	16.36
20190326	Valley City, IL	14:00	435.26	418.90	16.36
20190326	Meredosia, IL	8:00	436.50	419.00	17.50
20190326	Meredosia, IL	14:00	436.44	419.00	17.44
20190326	La Grange (Lower)	8:00	437.45	419.10	18.35
20190326	La Grange (Lower)	14:00	437.44	419.10	18.34

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	418.00	413.50
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
26 MAR 2019	34.83(8:00) 34.96(14:00)	17.26(8:00) 17.26(14:00)	18.50(8:00) 18.44(14:00)	23.95(8:00) 23.94(14:00)

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 26, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ##########TIME##########
File name: ##########DRIVE:\PATH\FILENAME.DGN

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

ILLINOIS RIVER

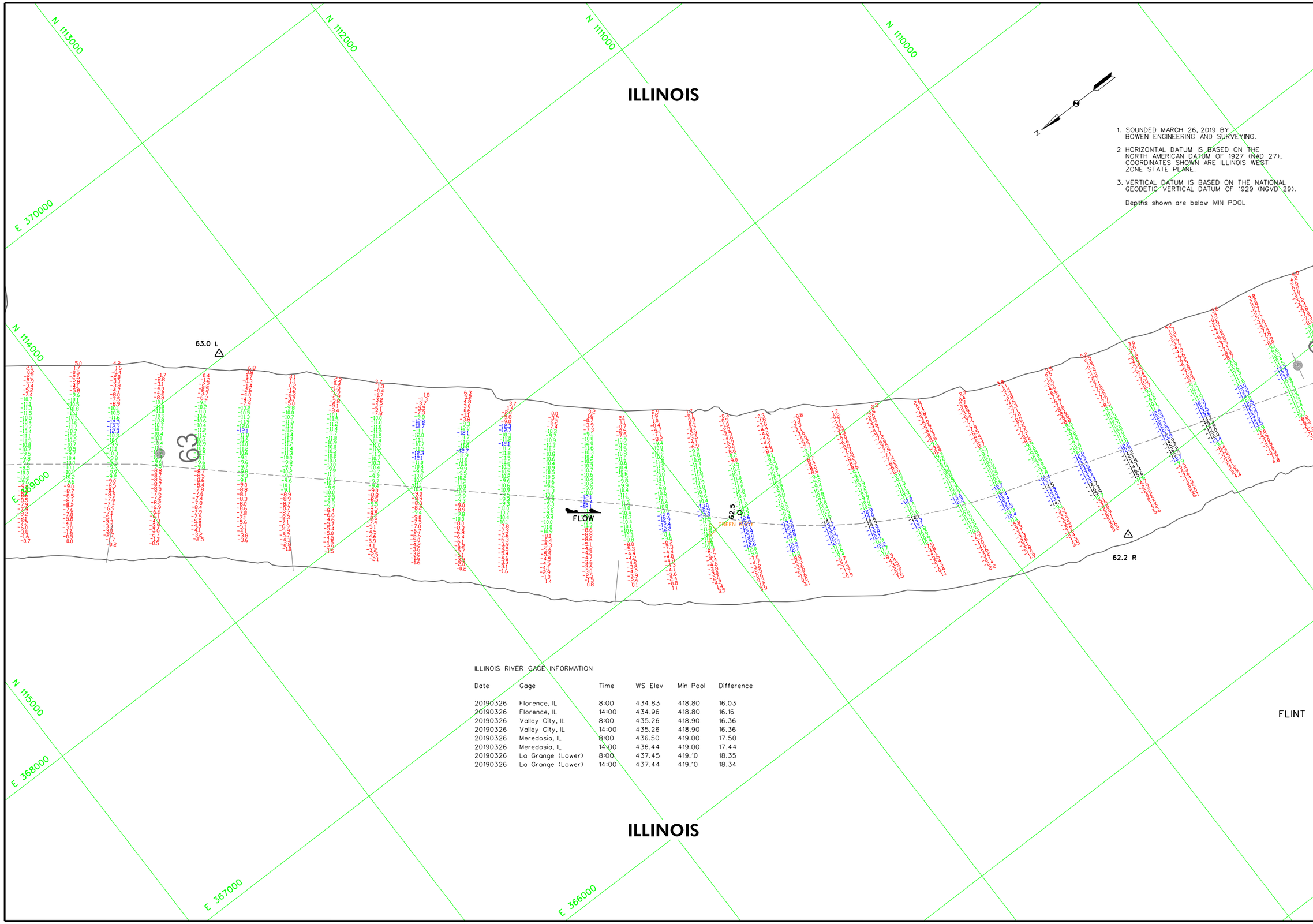
120 METERS 60 0 60 200 400 FEET

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 64.2 – 63.1

PLATE NUMBER

16



ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190326	Florence, IL	8:00	434.83	418.80	16.03
20190326	Florence, IL	14:00	434.96	418.80	16.16
20190326	Valley City, IL	8:00	435.26	418.90	16.36
20190326	Valley City, IL	14:00	435.26	418.90	16.36
20190326	Meredosia, IL	8:00	436.50	419.00	17.50
20190326	Meredosia, IL	14:00	436.44	419.00	17.44
20190326	La Grange (Lower)	8:00	437.45	419.10	18.35
20190326	La Grange (Lower)	14:00	437.44	419.10	18.34

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	FLORENCE	VALLEY CITY	MEREDOSIA	LA GRANGE L&D TW
ZERO N.G.V.D.	400.00	418.00	418.00	413.50
MILE	56.0	61.3	70.8	80.2
MIN. POOL	418.8	418.9	419.0	419.1
26 MAR 2019	34.83/8:00	34.96/14:00	17.26/8:00	17.26/14:00	18.50/8:00	18.44/14:00	23.95/8:00	23.94/14:00

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

ILLINOIS RIVER

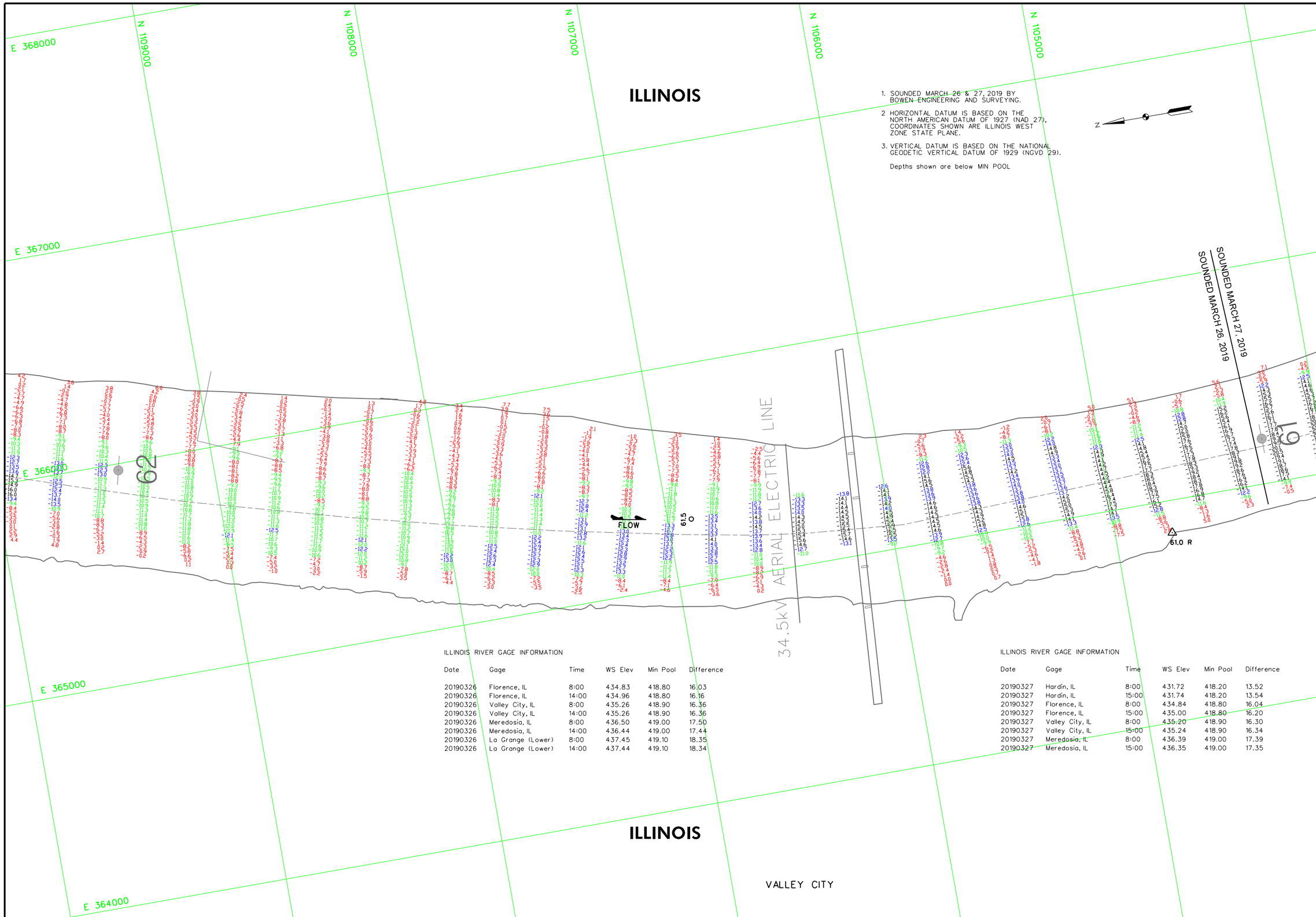
Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 26, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ########
File name: ########

120 METERS 60 0 60 200
400 FEET 200 0 200

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER - MILES 80 TO 0
RIVER MILES 63.1 - 62.0

PLATE NUMBER
17



1. SOUNDED MARCH 26 & 27, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190326	Florence, IL	8:00	434.83	418.80	16.03
20190326	Florence, IL	14:00	434.96	418.80	16.16
20190326	Valley City, IL	8:00	435.26	418.90	16.36
20190326	Valley City, IL	14:00	435.26	418.90	16.36
20190326	Meredosia, IL	8:00	436.50	419.00	17.50
20190326	Meredosia, IL	14:00	436.44	419.00	17.44
20190326	La Grange (Lower)	8:00	437.45	419.10	18.35
20190326	La Grange (Lower)	14:00	437.44	419.10	18.34

ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190327	Hardin, IL	8:00	431.72	418.20	13.52
20190327	Hardin, IL	15:00	431.74	418.20	13.54
20190327	Florence, IL	8:00	434.84	418.80	16.04
20190327	Florence, IL	15:00	435.00	418.80	16.20
20190327	Valley City, IL	8:00	435.20	418.90	16.30
20190327	Valley City, IL	15:00	435.24	418.90	16.34
20190327	Meredosia, IL	8:00	436.39	419.00	17.39
20190327	Meredosia, IL	15:00	436.35	419.00	17.35

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
26 MAR 2019	X	34.83(8:00) 34.96(14:00)	17.26(8:00) 17.26(14:00)	18.50(8:00) 18.44(14:00)
27 MAR 2019	31.72(8:00) 31.74(15:00)	34.84(8:00) 35.00(15:00)	17.20(8:00) 17.24(15:00)	18.39(8:00) 18.35(15:00)

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

ILLINOIS RIVER

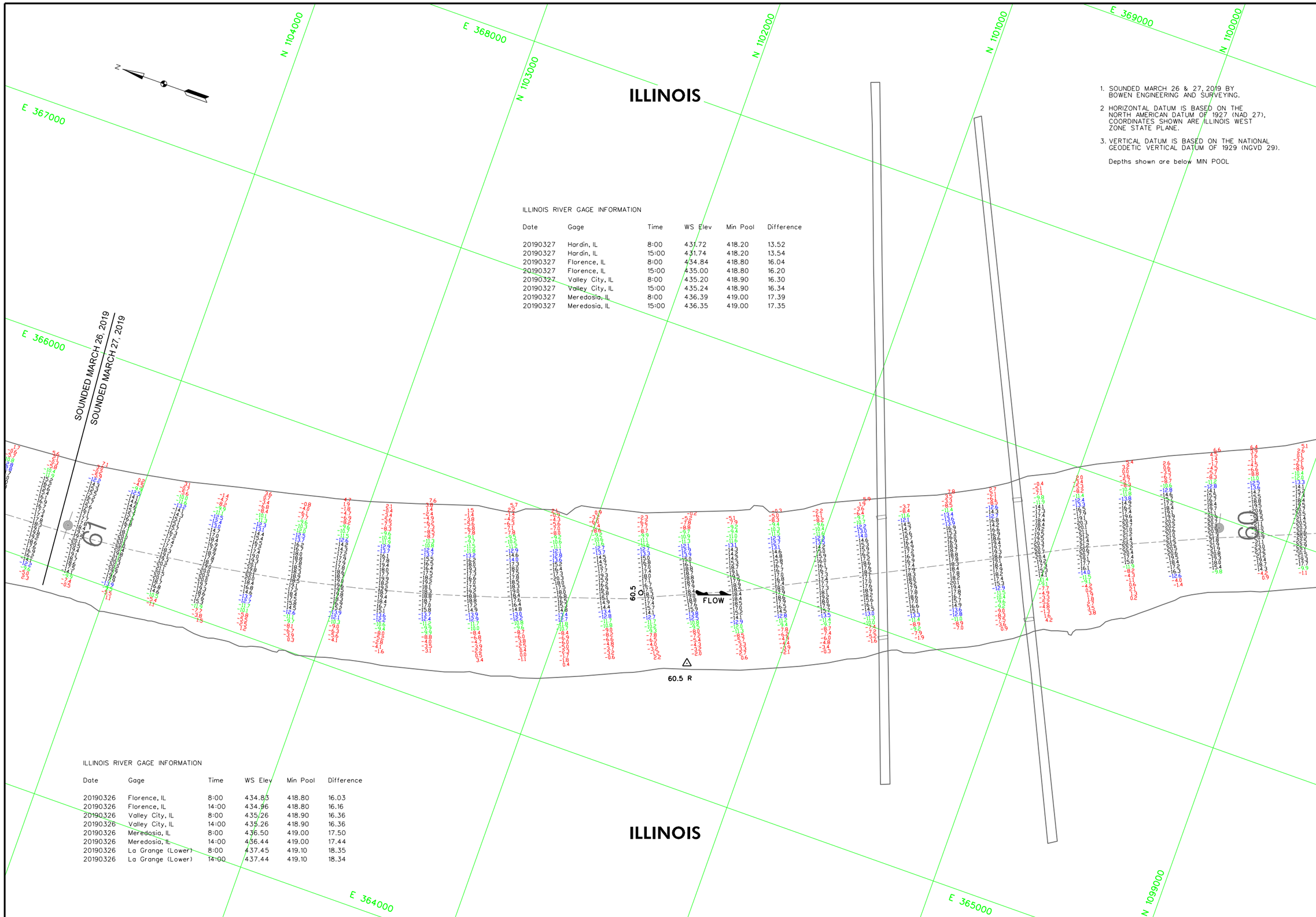
Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 26 & 27, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 99999/99/99
File name: 99999DIGHYLEXPORTCONTOURS

120 METERS
400 FEET
60 0 60
200 0 200

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 62.0 – 61.0

PLATE NUMBER
18



1. SOUNDED MARCH 26 & 27, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190327	Hardin, IL	8:00	431.72	418.20	13.52
20190327	Hardin, IL	15:00	431.74	418.20	13.54
20190327	Florence, IL	8:00	434.84	418.80	16.04
20190327	Florence, IL	15:00	435.00	418.80	16.20
20190327	Valley City, IL	8:00	435.20	418.90	16.30
20190327	Valley City, IL	15:00	435.24	418.90	16.34
20190327	Meredosia, IL	8:00	436.39	419.00	17.39
20190327	Meredosia, IL	15:00	436.35	419.00	17.35

ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190326	Florence, IL	8:00	434.83	418.80	16.03
20190326	Florence, IL	14:00	434.96	418.80	16.16
20190326	Valley City, IL	8:00	435.26	418.90	16.36
20190326	Valley City, IL	14:00	435.26	418.90	16.36
20190326	Meredosia, IL	8:00	436.50	419.00	17.50
20190326	Meredosia, IL	14:00	436.44	419.00	17.44
20190326	La Grange (Lower)	8:00	437.45	419.10	18.35
20190326	La Grange (Lower)	14:00	437.44	419.10	18.34

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
26 MAR 2019	X	34.83(8:00) 34.96(14:00)	17.26(8:00) 17.26(14:00)	18.50(8:00) 18.44(14:00)
27 MAR 2019	31.72(8:00) 31.74(15:00)	34.84(8:00) 35.00(15:00)	17.20(8:00) 17.24(15:00)	18.39(8:00) 18.35(15:00)

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 26 & 27, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####/##/## ##:##:## AM
File name: ####/SOUNDING/MAP/CAD/FILENAME

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

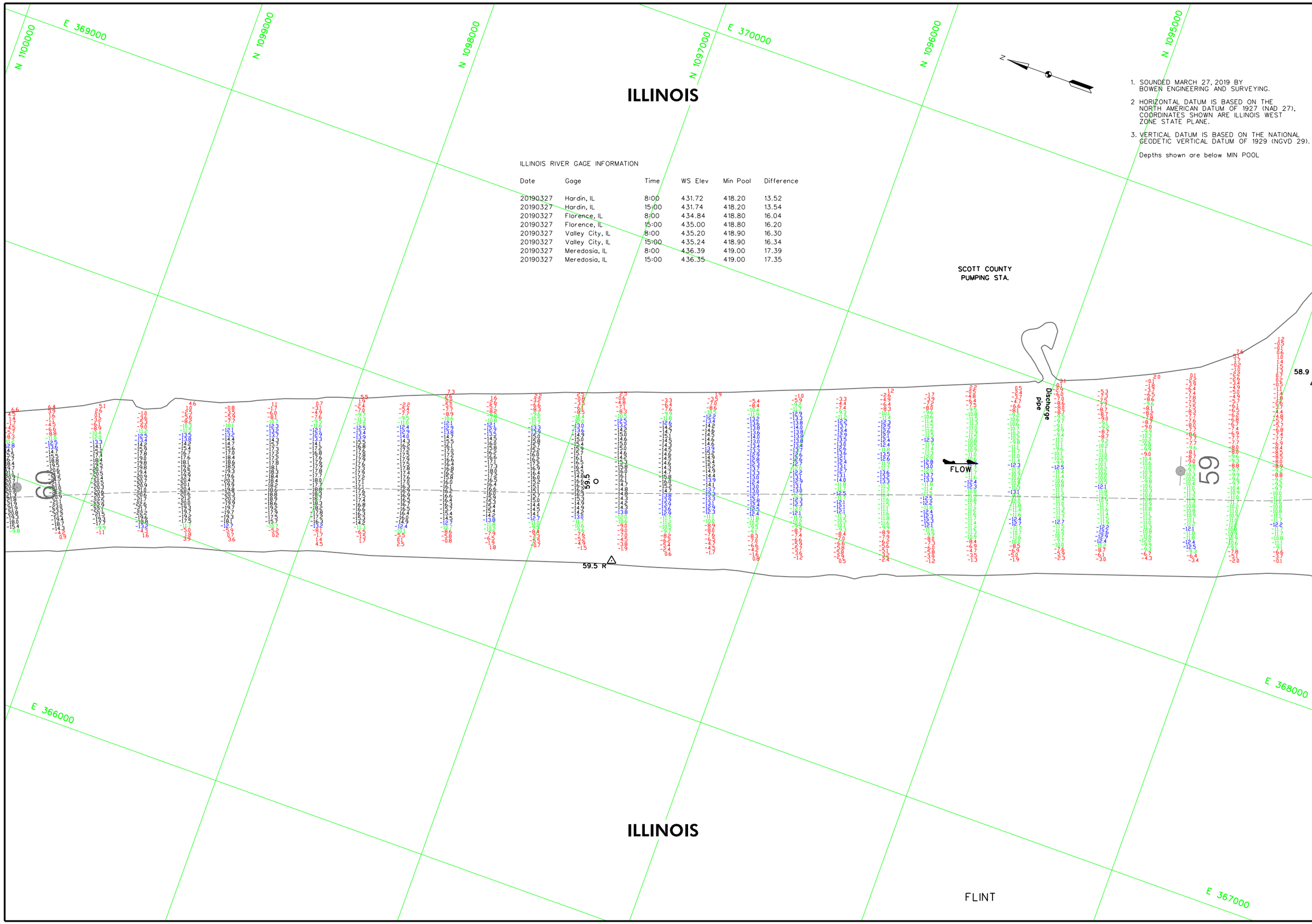
ILLINOIS RIVER

120 METERS
400 FEET
60 0 60
200 0 200

THE INFORMATION DEPICTED 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
ILLINOIS RIVER - MILES 80 TO 0
RIVER MILES 61.0 - 60.0

PLATE NUMBER
19



ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190327	Hardin, IL	8:00	431.72	418.20	13.52
20190327	Hardin, IL	15:00	431.74	418.20	13.54
20190327	Florence, IL	8:00	434.84	418.80	16.04
20190327	Florence, IL	15:00	435.00	418.80	16.20
20190327	Valley City, IL	8:00	435.20	418.90	16.30
20190327	Valley City, IL	15:00	435.24	418.90	16.34
20190327	Meredosia, IL	8:00	436.39	419.00	17.39
20190327	Meredosia, IL	15:00	436.35	419.00	17.35

1. SOUNDED MARCH 27, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
27 MAR 2019	317.28:00) 317.41(15:00)	34.84(8:00) 35.00(15:00)	17.20(8:00) 17.24(15:00)	18.39(8:00) 18.35(15:00)

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 27, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 8/8/2021 4:47:17AM 8/8/2021
File name: M:\R\ILSOUTH\R\ILSOUTH\ILSOUTH.DGN

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

ILLINOIS RIVER

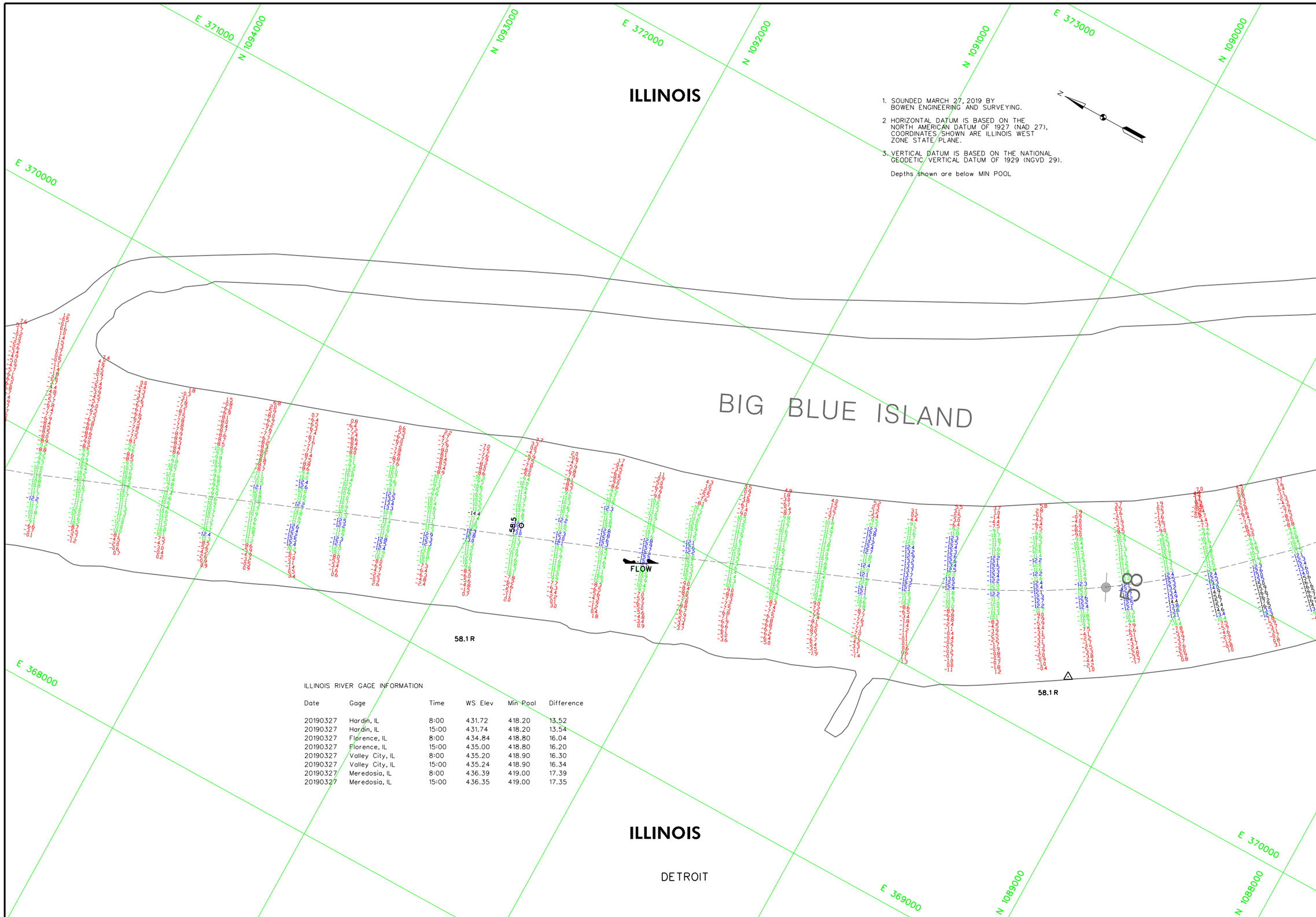
120 METERS 60 0 60 120
400 FEET 200 0 200 400

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER - MILES 80 TO 0
RIVER MILES 60.0 - 58.9

PLATE NUMBER

20



1. SOUNDED MARCH 27, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190327	Hardin, IL	8:00	431.72	418.20	13.52
20190327	Hardin, IL	15:00	431.74	418.20	13.54
20190327	Florence, IL	8:00	434.84	418.80	16.04
20190327	Florence, IL	15:00	435.00	418.80	16.20
20190327	Valley City, IL	8:00	435.20	418.90	16.30
20190327	Valley City, IL	15:00	435.24	418.90	16.34
20190327	Meredosia, IL	8:00	436.39	419.00	17.39
20190327	Meredosia, IL	15:00	436.35	419.00	17.35

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
27 MAR 2019	31.72:8:00	31.74:15:00	34.84:8:00	35.00:15:00	17.20:8:00	17.24:15:00	18.39:8:00	18.35:15:00

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

ILLINOIS RIVER

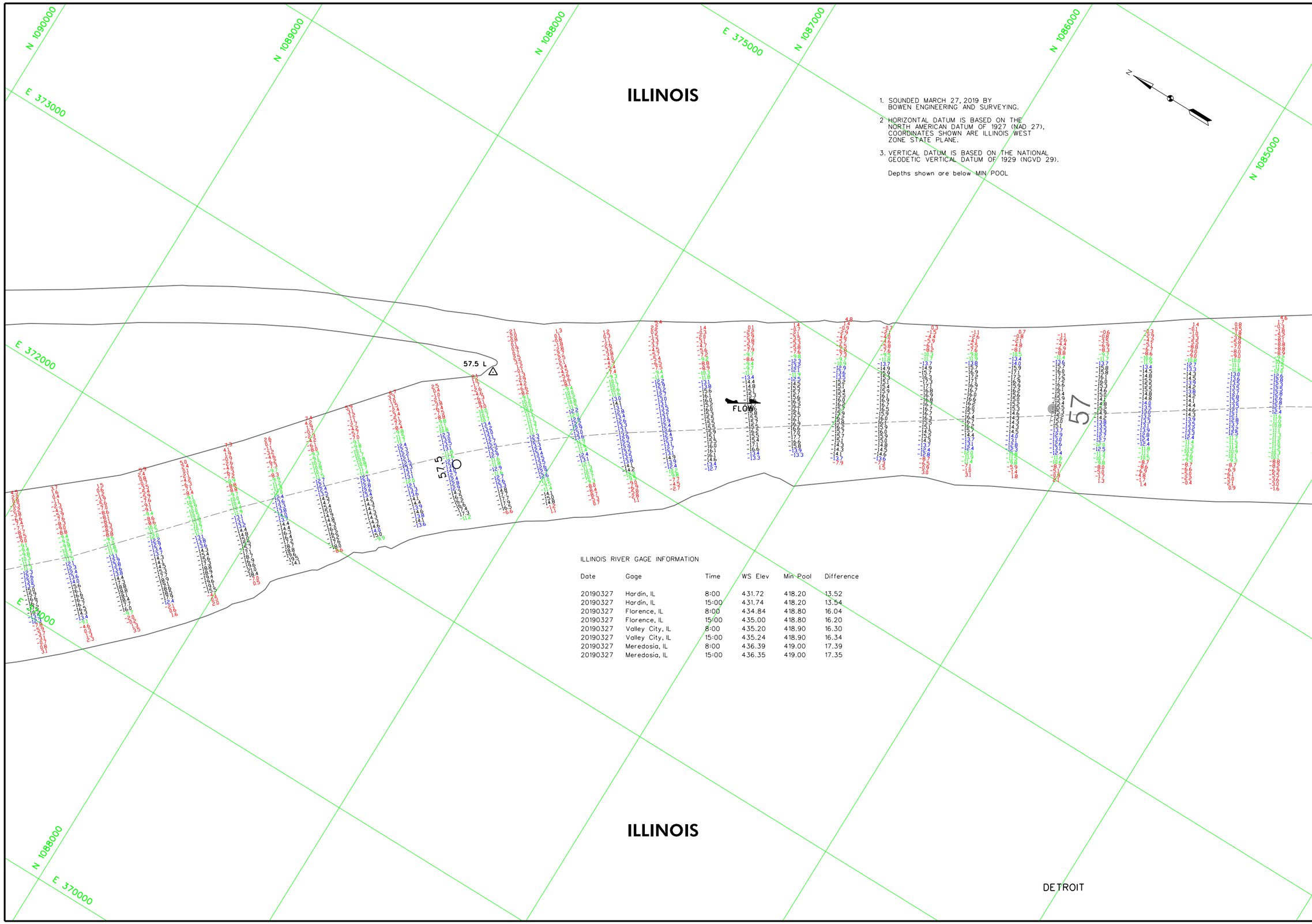
Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 27, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####/##/## ##:##
File name: ##########################

120 METERS 60 0 60 120
400 FEET 200 0 200 400

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 58.9 – 57.9

PLATE NUMBER
21



1. SOUNDED MARCH 27, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190327	Hardin, IL	8:00	431.72	418.20	13.52
20190327	Hardin, IL	15:00	431.74	418.20	13.54
20190327	Florence, IL	8:00	434.84	418.80	16.04
20190327	Florence, IL	15:00	435.00	418.80	16.20
20190327	Valley City, IL	8:00	435.20	418.90	16.30
20190327	Valley City, IL	15:00	435.24	418.90	16.34
20190327	Meredosia, IL	8:00	436.39	419.00	17.39
20190327	Meredosia, IL	15:00	436.35	419.00	17.35

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
27 MAR 2019	3:17:28-00) 31.7415-00)	34.8418-00) 35.0015-00)	17.20:8-00) 17.2415-00)	18.39:8-00) 18.3515-00)

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 27, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####DATE: TIME####
File name: ####DRAWING NUMBER####

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

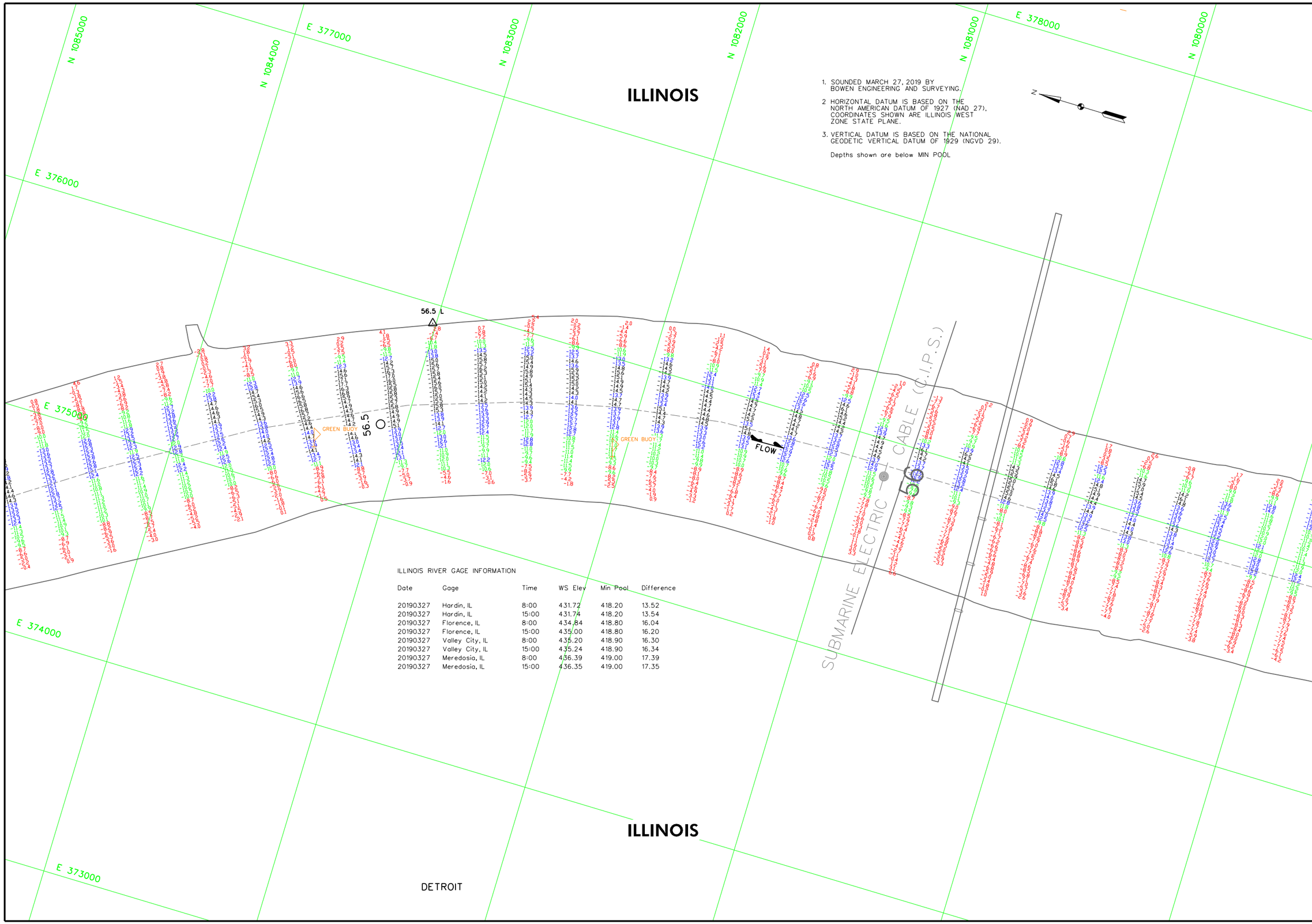
ILLINOIS RIVER

60 200 0 0 60 120 METERS
200 400 FEET

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 57.9 – 56.8

PLATE NUMBER
22



1. SOUNDED MARCH 27, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190327	Hardin, IL	8:00	431.72	418.20	13.52
20190327	Hardin, IL	15:00	431.74	418.20	13.54
20190327	Florence, IL	8:00	434.84	418.80	16.04
20190327	Florence, IL	15:00	435.00	418.80	16.20
20190327	Valley City, IL	8:00	435.20	418.90	16.30
20190327	Valley City, IL	15:00	435.24	418.90	16.34
20190327	Meredosia, IL	8:00	436.39	419.00	17.39
20190327	Meredosia, IL	15:00	436.35	419.00	17.35

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
27 MAR 2019	3.72:8:00) 31.74:15:00)	34.84:8:00) 35.00:15:00)	17.20:8:00) 17.24:15:00)	16.39:8:00) 16.35:15:00)

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 27, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 8/8/2020 PM, 7/14/2020
File name: R:\8870\SOUNDING\8870FLOR\FLOR\7\7\8\8

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

ILLINOIS RIVER

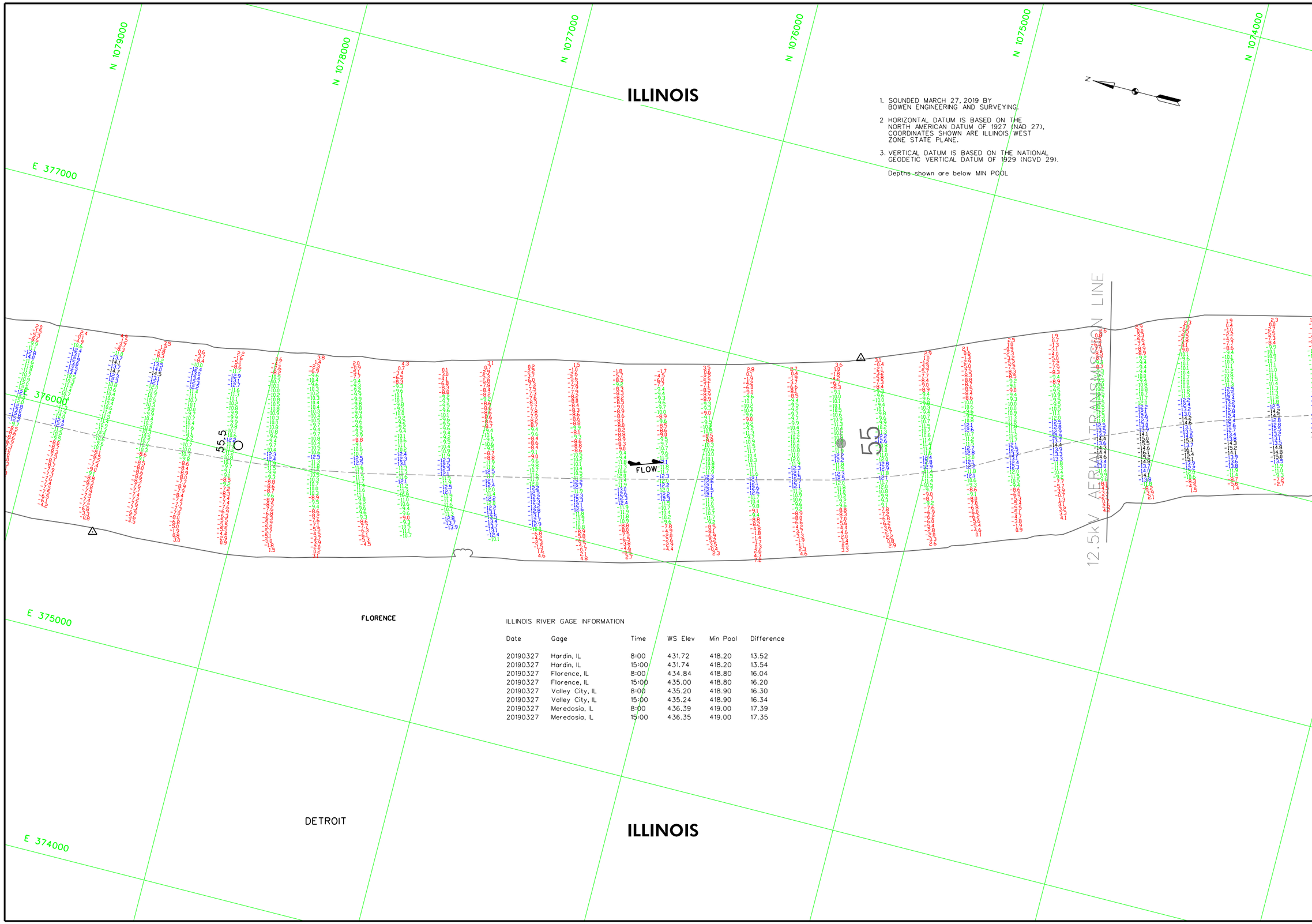
120 METERS 60 0 400 FEET 200 0 60 200

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
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 56.8 – 55.7

PLATE NUMBER

23



1. SOUNDED MARCH 27, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190327	Hardin, IL	8:00	431.72	418.20	13.52
20190327	Hardin, IL	15:00	431.74	418.20	13.54
20190327	Florence, IL	8:00	434.84	418.80	16.04
20190327	Florence, IL	15:00	435.00	418.80	16.20
20190327	Valley City, IL	8:00	435.20	418.90	16.30
20190327	Valley City, IL	15:00	435.24	418.90	16.34
20190327	Meredosia, IL	8:00	436.39	419.00	17.39
20190327	Meredosia, IL	15:00	436.35	419.00	17.35

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
27 MAR 2019	31.72(8:00) 31.74(15:00)	34.84(8:00) 35.00(15:00)	17.20(8:00) 17.24(15:00)	16.39(8:00) 16.35(15:00)

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 27, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ######DATE_TIME######
File name: R:\BEDS\CADD\LIBRARY\CAD\CN\BBB

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

ILLINOIS RIVER

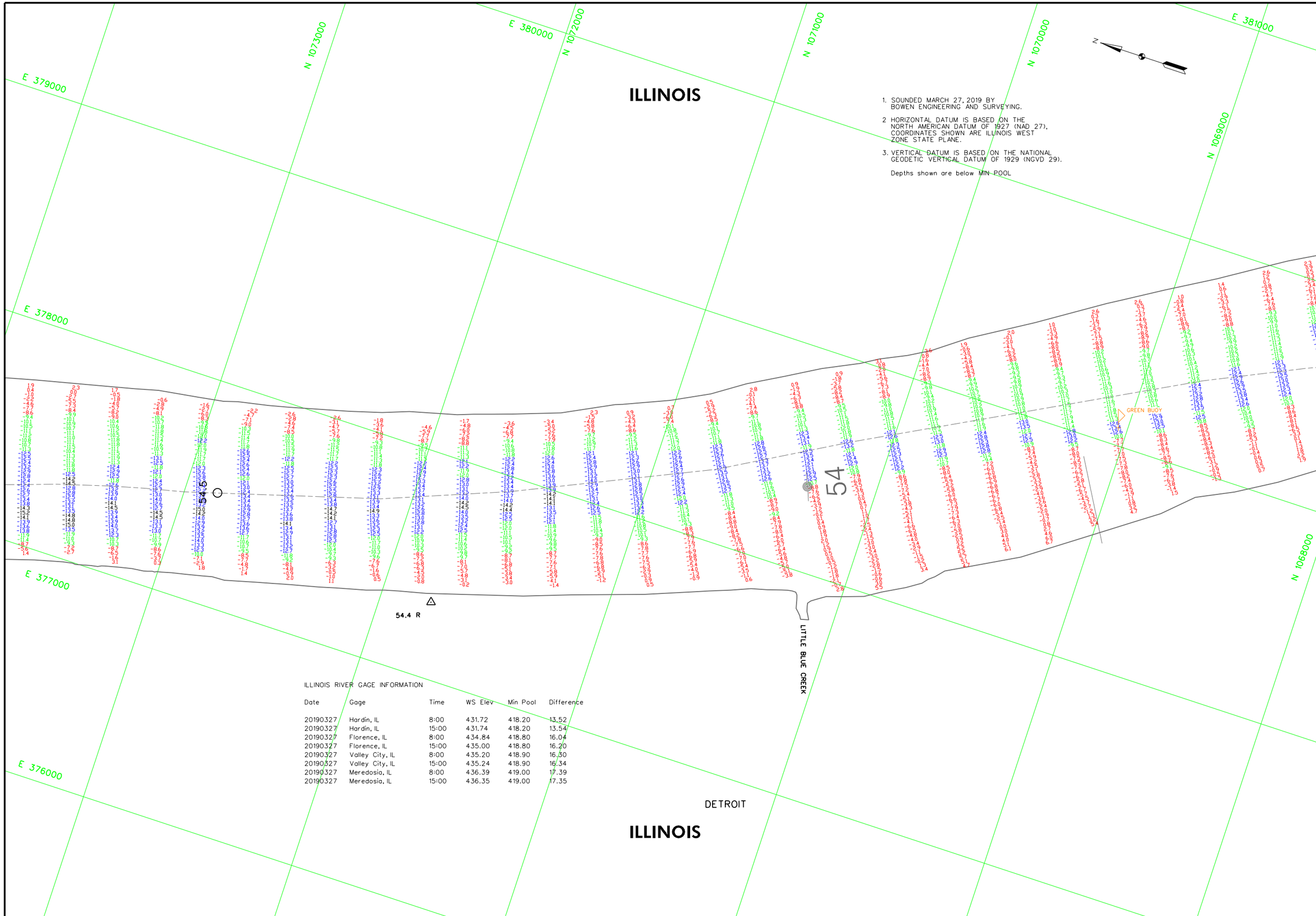
120 METERS 60 0 60 200 400 FEET

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 55.7 – 54.6

PLATE NUMBER

24



1. SOUNDED MARCH 27, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190327	Hardin, IL	8:00	431.72	418.20	13.52
20190327	Hardin, IL	15:00	431.74	418.20	13.54
20190327	Florence, IL	8:00	434.84	418.80	16.04
20190327	Florence, IL	15:00	435.00	418.80	16.20
20190327	Valley City, IL	8:00	435.20	418.90	16.30
20190327	Valley City, IL	15:00	435.24	418.90	16.34
20190327	Meredosia, IL	8:00	436.39	419.00	17.39
20190327	Meredosia, IL	15:00	436.35	419.00	17.35

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
27 MAR 2019	31.72:8:00	31.74:15:00	34.84:8:00	35.00:15:00	17.20:8:00	17.24:15:00	18.39:8:00	18.35:15:00

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

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 27, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 88888DATE TIME88888
File name: 88888DRIVE:\BATCH\CAD\NAME88

ILLINOIS RIVER

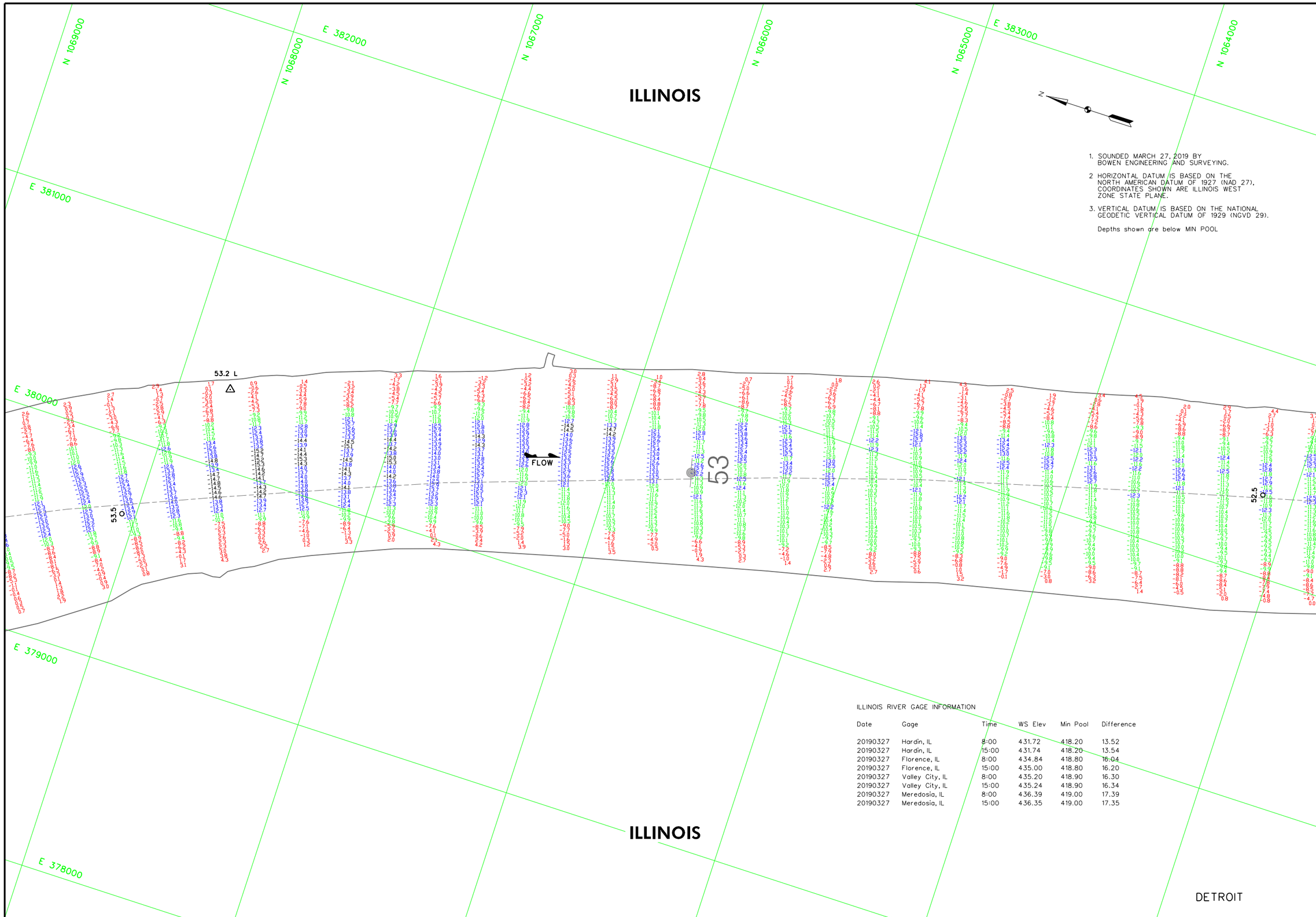
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND IS INTENDED ONLY AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

60 200 0 0 60 200 120 METERS 400 FEET

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER - MILES 80 TO 0
RIVER MILES 54.6 - 53.6

PLATE NUMBER

25



1. SOUNDED MARCH 27, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190327	Hardin, IL	8:00	431.72	418.20	13.52
20190327	Hardin, IL	15:00	431.74	418.20	13.54
20190327	Florence, IL	8:00	434.84	418.80	16.04
20190327	Florence, IL	15:00	435.00	418.80	16.20
20190327	Valley City, IL	8:00	435.20	418.90	16.30
20190327	Valley City, IL	15:00	435.24	418.90	16.34
20190327	Meredosia, IL	8:00	436.39	419.00	17.39
20190327	Meredosia, IL	15:00	436.35	419.00	17.35

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
27 MAR 2019	31.72:8:00	31.74:15:00	34.84:8:00	35.00:15:00	17.20:8:00	17.24:15:00	16.39:8:00	16.35:15:00

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

Surveyed by: BOWEN ENGINEERING
Drawn by: X
Ckd by: X
SUBMITTED: X
Reviewed by: X
APPROVED: X
Survey Date: MARCH 27, 2019
Plot date: ####/##/## ##:##
File name: ##########.DWG

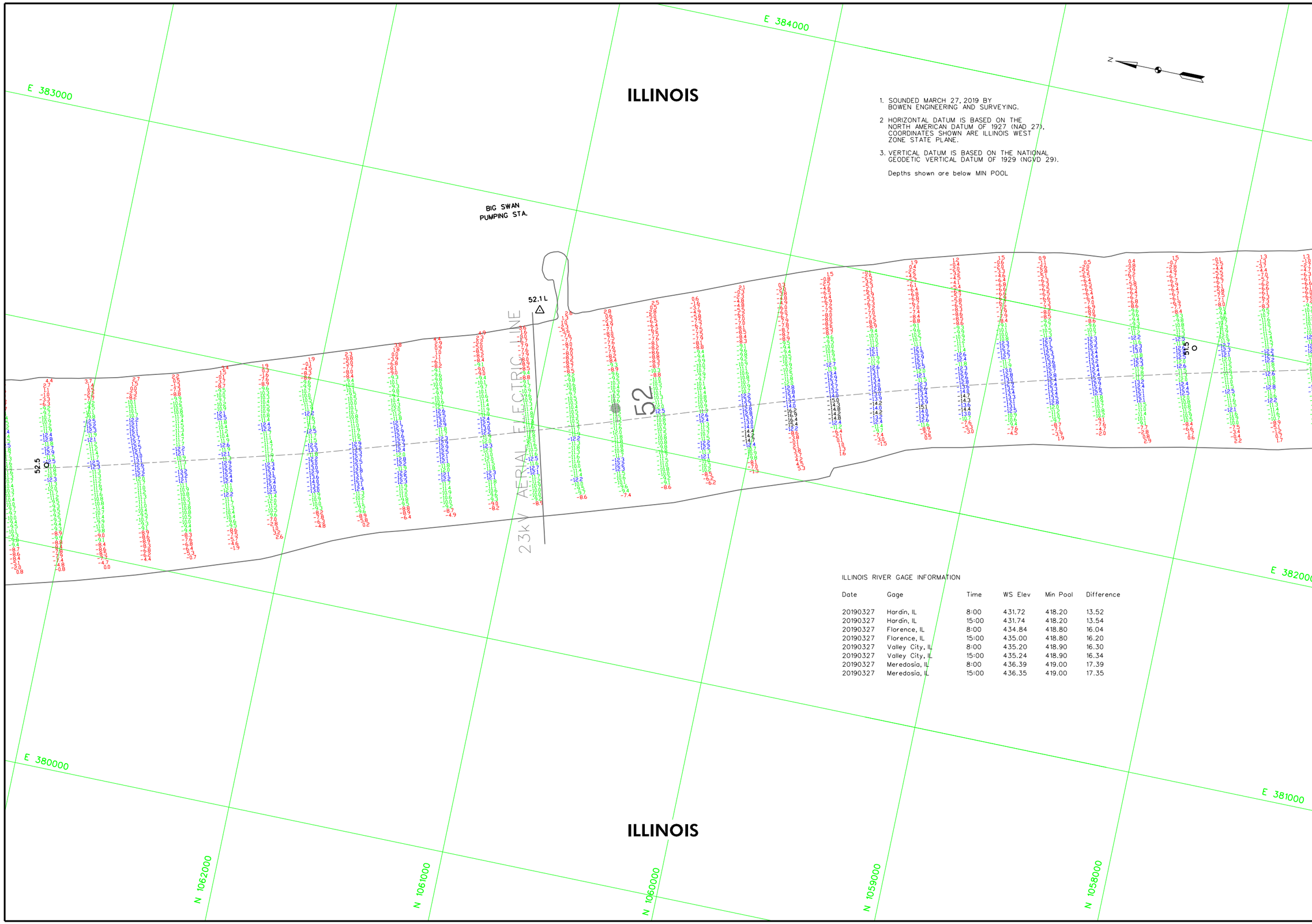
ILLINOIS RIVER

120 METERS 60 0 60 200 400 FEET

THE INFORMATION DEPICTED ON 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
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 53.6 – 52.5

PLATE NUMBER
26



1. SOUNDED MARCH 27, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190327	Hardin, IL	8:00	431.72	418.20	13.52
20190327	Hardin, IL	15:00	431.74	418.20	13.54
20190327	Florence, IL	8:00	434.84	418.80	16.04
20190327	Florence, IL	15:00	435.00	418.80	16.20
20190327	Valley City, IL	8:00	435.20	418.90	16.30
20190327	Valley City, IL	15:00	435.24	418.90	16.34
20190327	Meredosia, IL	8:00	436.39	419.00	17.39
20190327	Meredosia, IL	15:00	436.35	419.00	17.35

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
27 MAR 2019	31.72:8:00	31.74:15:00	34.84:8:00	35.00:15:00	17.20:8:00	17.24:15:00	16.39:8:00	16.35:15:00

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 27, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 8888DATE TIME8888
File name: 9999FIGNAME8888

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

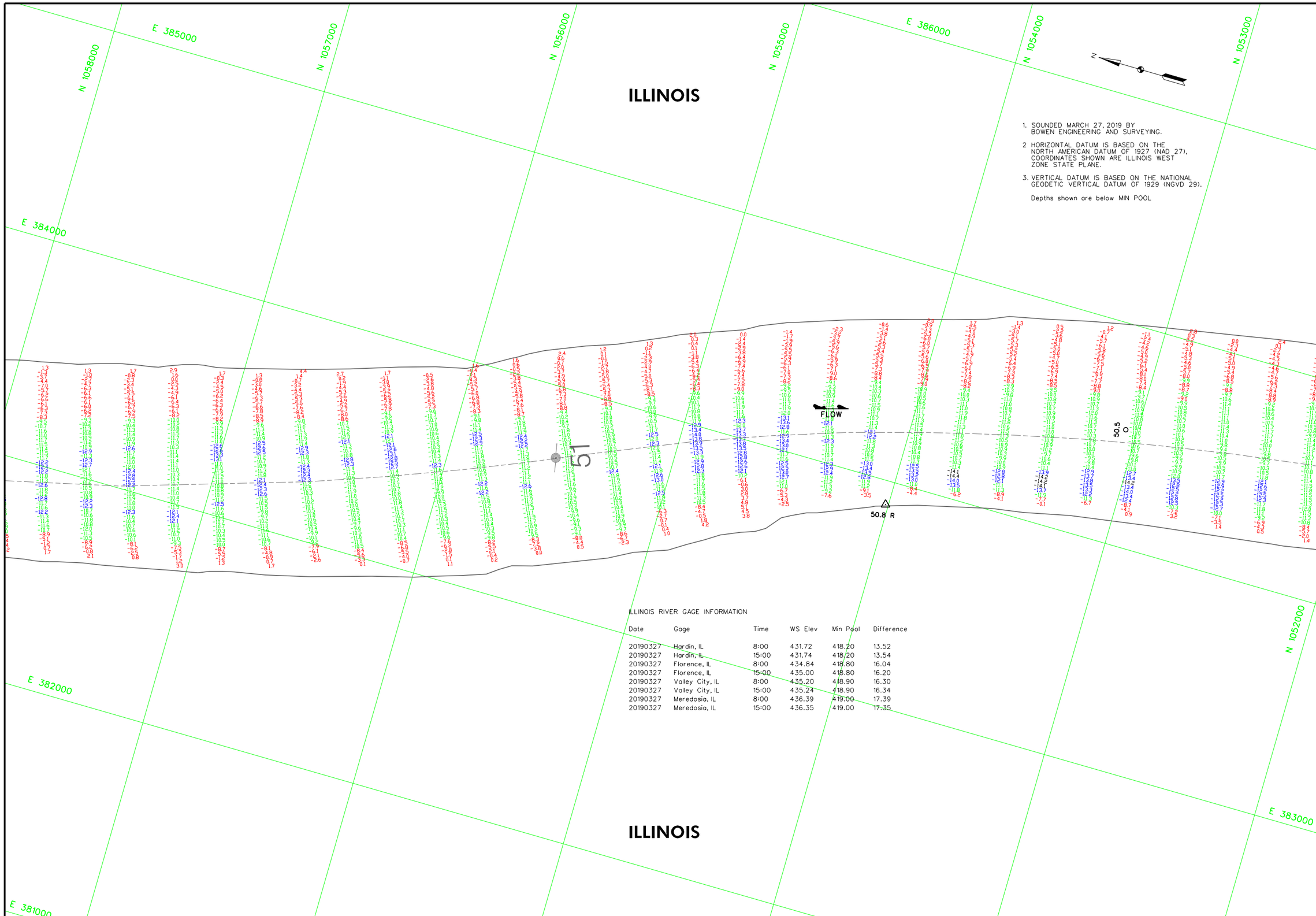
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200 600

THE INFORMATION DEPICTED 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
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 52.5 – 51.4

PLATE NUMBER
27



1. SOUNDED MARCH 27, 2019 BY BOWEN ENGINEERING AND SURVEYING.

2 HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190327	Hardin, IL	8:00	431.72	418.20	13.52
20190327	Hardin, IL	15:00	431.74	418.20	13.54
20190327	Florence, IL	8:00	434.84	418.80	16.04
20190327	Florence, IL	15:00	435.00	418.80	16.20
20190327	Valley City, IL	8:00	435.20	418.90	16.30
20190327	Valley City, IL	15:00	435.24	418.90	16.34
20190327	Meredosia, IL	8:00	436.39	419.00	17.39
20190327	Meredosia, IL	15:00	436.35	419.00	17.35

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
27 MAR 2019	31.72:8:00	31.74:15:00	34.84:8:00	35.00:15:00	17.20:8:00	17.24:15:00	16.39:8:00	16.35:15:00

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

Surveyed by: BOWEN ENGINEERING
Drawn by: X
Chkd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Survey Date: MARCH 27, 2019
Plot date: ####/##/## ##:##
File name: ##########################

ILLINOIS RIVER

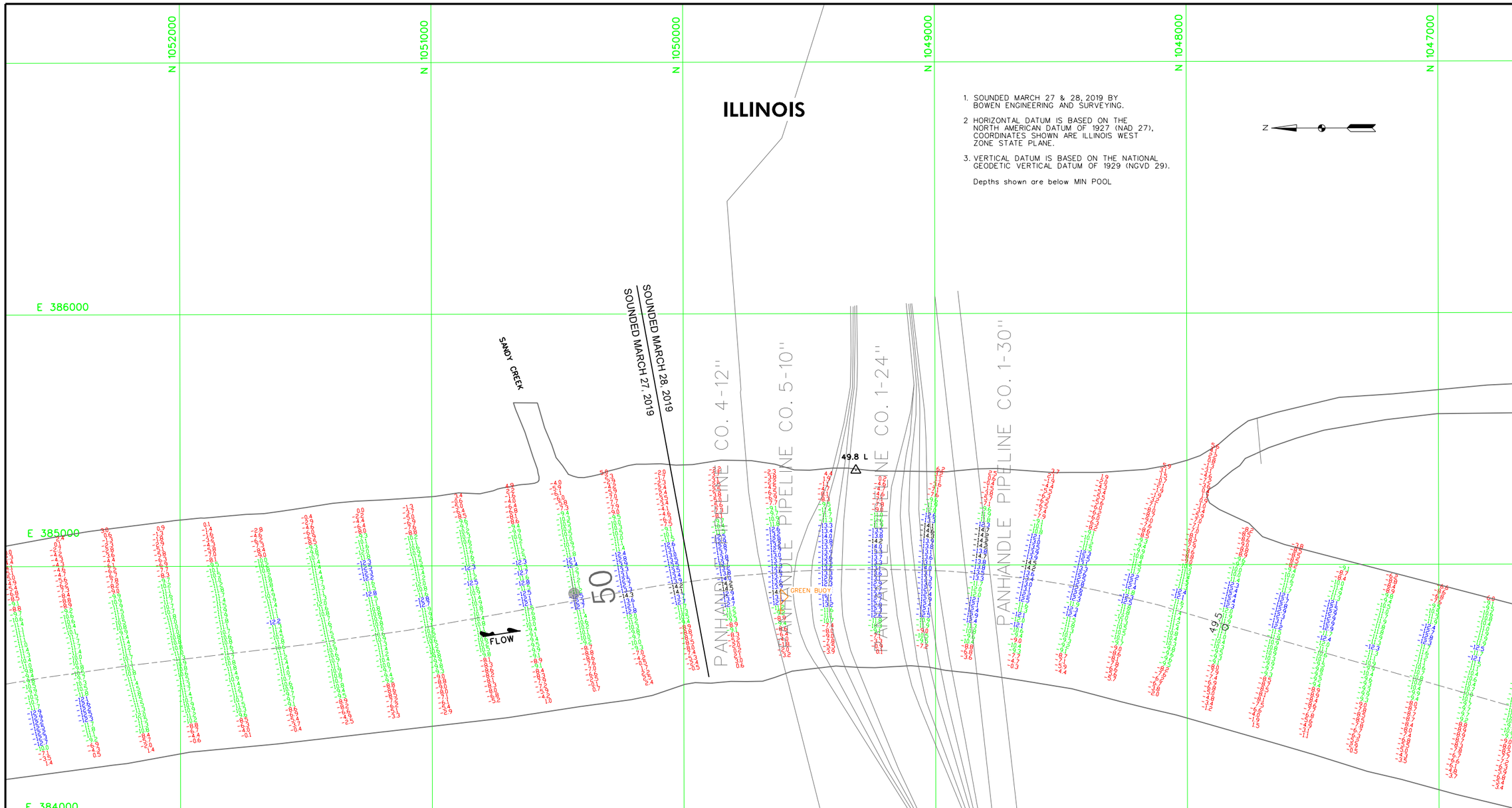
120 METERS 0 60 200
400 FEET 0 200 60

THE INFORMATION DEPICTED 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
ILLINOIS RIVER - MILES 80 TO 0
RIVER MILES 51.4 - 50.4

PLATE NUMBER

28



1. SOUNDED MARCH 27 & 28, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190327	Hardin, IL	8:00	431.72	418.20	13.52
20190327	Hardin, IL	15:00	431.74	418.20	13.54
20190327	Florence, IL	8:00	434.84	418.80	16.04
20190327	Florence, IL	15:00	435.00	418.80	16.20
20190327	Valley City, IL	8:00	435.20	418.90	16.30
20190327	Valley City, IL	15:00	435.24	418.90	16.34
20190327	Meredosia, IL	8:00	436.39	419.00	17.39
20190327	Meredosia, IL	15:00	436.35	419.00	17.35

ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190328	Hardin, IL	8:00	431.84	418.20	13.64
20190328	Hardin, IL	13:00	431.83	418.20	13.63
20190328	Florence, IL	8:00	434.92	418.80	16.12
20190328	Florence, IL	13:00	434.75	418.80	15.95
20190328	Valley City, IL	8:00	435.17	418.90	16.27
20190328	Valley City, IL	13:00	435.17	418.90	16.27

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
27 MAR 2019	31.72(8:00) 31.74(15:00)	34.84(8:00) 35.00(15:00)	17.20(8:00) 17.24(15:00)	18.39(8:00) 18.35(15:00)
28 MAR 2019	31.84(8:00) 31.83(13:00)	34.92(8:00) 34.75(13:00)	17.17(8:00) 17.17(13:00)	X

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 27 & 28, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####/##/## ##:##:##
File name: ##########################

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

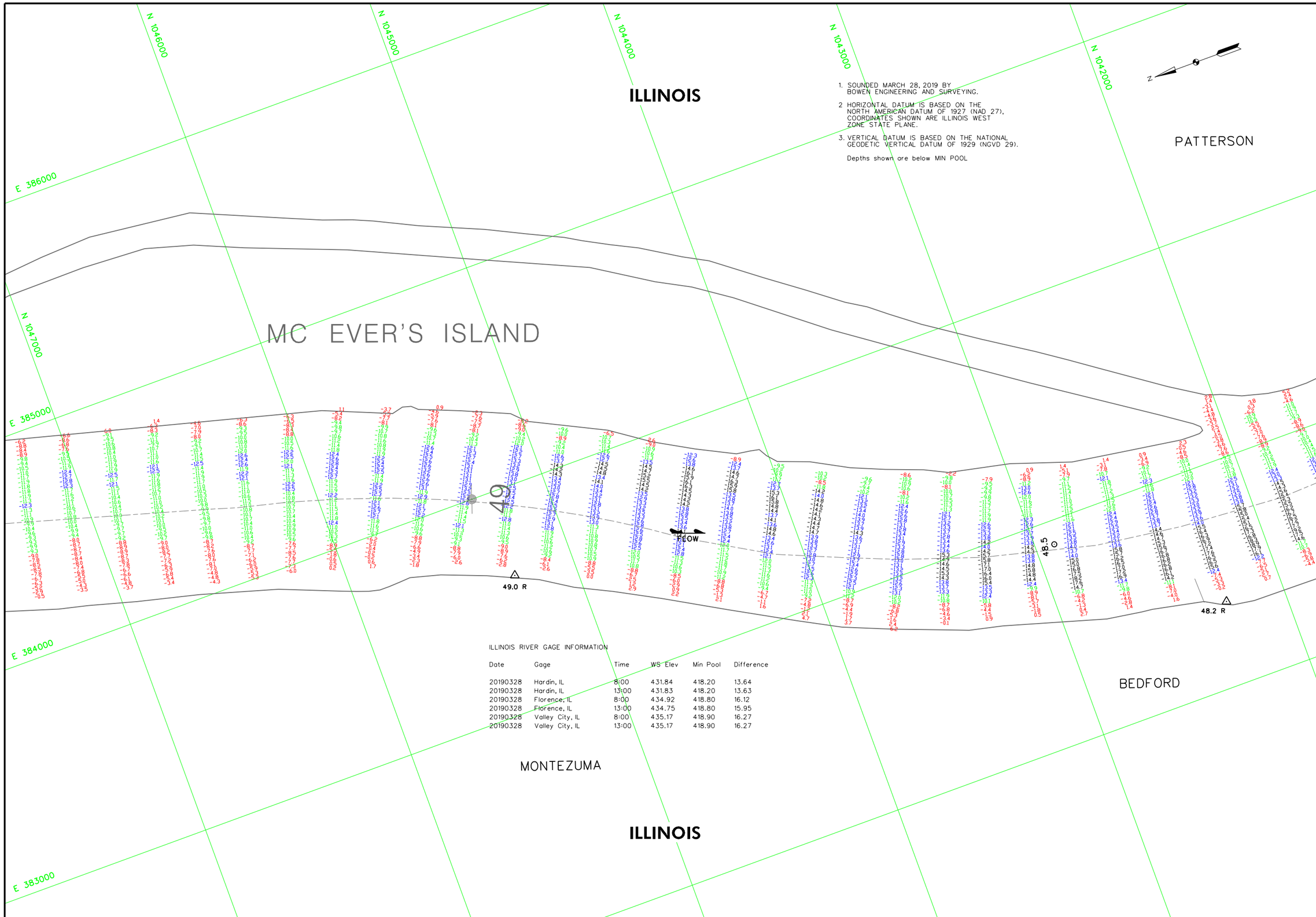
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200 600

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 50.4 – 49.3

PLATE NUMBER
29



1. SOUNDED MARCH 28, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190328	Hardin, IL	8:00	431.84	418.20	13.64
20190328	Hardin, IL	13:00	431.83	418.20	13.63
20190328	Florence, IL	8:00	434.92	418.80	16.12
20190328	Florence, IL	13:00	434.75	418.80	15.95
20190328	Valley City, IL	8:00	435.17	418.90	16.27
20190328	Valley City, IL	13:00	435.17	418.90	16.27

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
28 MAR 2019	31.84(8:00) 31.83(13:00)	34.92(8:00) 34.75(13:00)	17.17(8:00) 17.17(13:00)	x

Surveyed by: BOWEN ENGINEERING
Drawn by: x
Ckd by: x
Survey Date: MARCH 28, 2019
Reviewed by: x
SUBMITTED: x
APPROVED: x
Plot date: ####/##/## ##:##
File name: ##########################

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

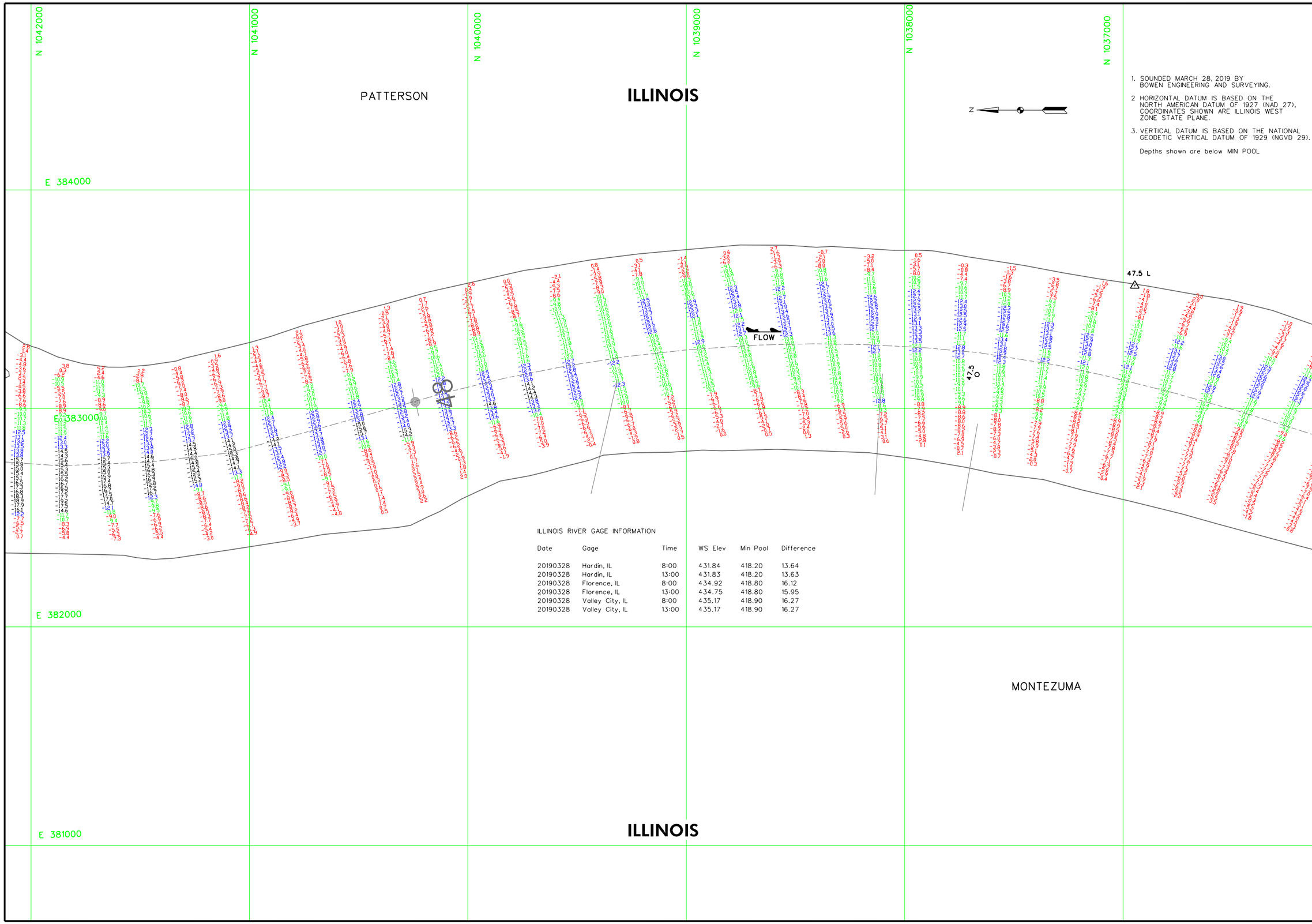
ILLINOIS RIVER

120 METERS 60 0 60 120
400 FEET 200 0 200 400

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED. SOME CONDITIONS MAY HAVE CHANGED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 49.3 – 48.3

PLATE NUMBER
30



1. SOUNDED MARCH 28, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190328	Hardin, IL	8:00	431.84	418.20	13.64
20190328	Hardin, IL	13:00	431.83	418.20	13.63
20190328	Florence, IL	8:00	434.92	418.80	16.12
20190328	Florence, IL	13:00	434.75	418.80	15.95
20190328	Valley City, IL	8:00	435.17	418.90	16.27
20190328	Valley City, IL	13:00	435.17	418.90	16.27

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEROSOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
28 MAR 2019	31.84(8:00) 31.83(13:00)	34.92(8:00) 34.75(13:00)	17.17(8:00) 17.17(13:00)	x

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 28, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ######DATE_TIME####
File name: ####DESIGN#\#\#\PROJ#\CAD#\DN###

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

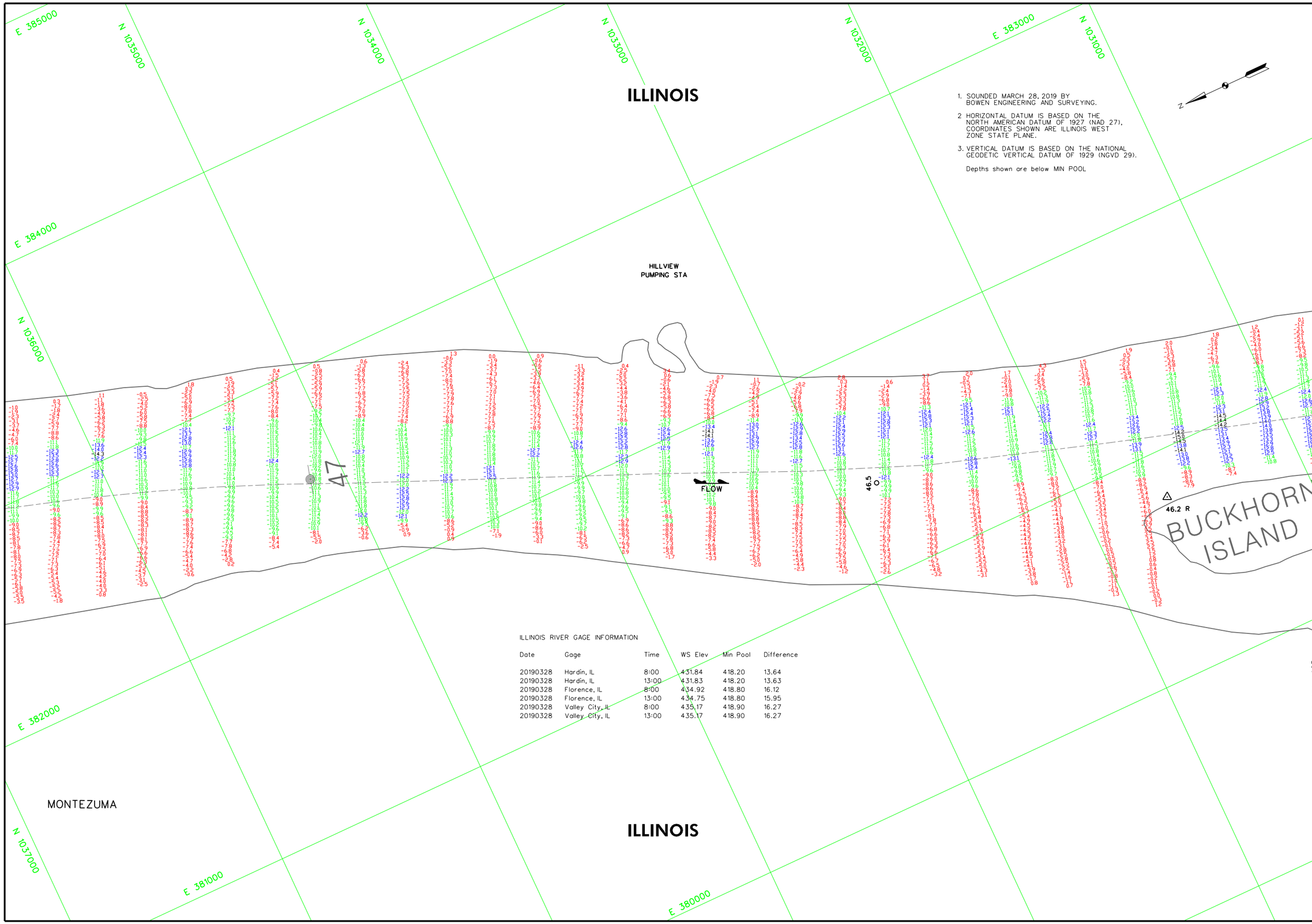
ILLINOIS RIVER

120 METERS
400 FEET
60 0 60 200
0 200

THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON INDICATED DATES AND IS SUBJECT TO CHANGE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 48.3 – 47.2

PLATE NUMBER
31



1. SOUNDED MARCH 28, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190328	Hardin, IL	8:00	431.84	418.20	13.64
20190328	Hardin, IL	13:00	431.83	418.20	13.63
20190328	Florence, IL	8:00	434.92	418.80	16.12
20190328	Florence, IL	13:00	434.75	418.80	15.95
20190328	Valley City, IL	8:00	435.17	418.90	16.27
20190328	Valley City, IL	13:00	435.17	418.90	16.27

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
28 MAR 2019	31.84@00:31.83@13:00	34.92@8:00 34.75@13:00	17.17@8:00 17.17@13:00	x

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 28, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 8/8/2019 DATE TIME 8/8/2019
File name: R:\8019\SOUNDINGS\8019FLOR\FLOR\HDR8

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

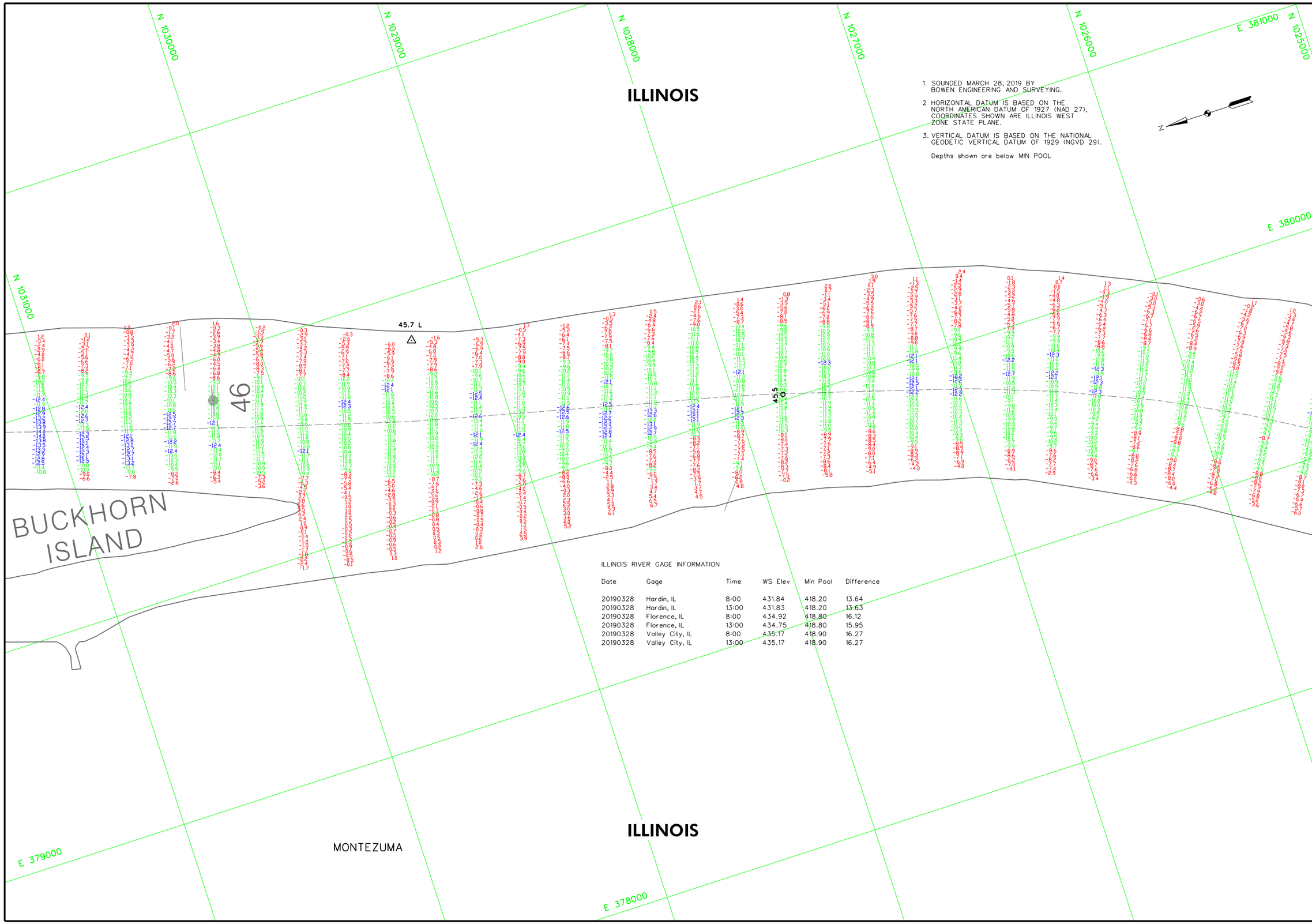
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200 600

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 47.2 – 46.2

PLATE NUMBER
32



1. SOUNDED MARCH 28, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190328	Hardin, IL	8:00	431.84	418.20	13.64
20190328	Hardin, IL	13:00	431.83	418.20	13.63
20190328	Florence, IL	8:00	434.92	418.80	16.12
20190328	Florence, IL	13:00	434.75	418.80	15.95
20190328	Valley City, IL	8:00	435.17	418.90	16.27
20190328	Valley City, IL	13:00	435.17	418.90	16.27

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
28 MAR 2019	31.84(8:00) 31.83(13:00)	34.92(8:00) 34.75(13:00)	17.17(8:00) 17.17(13:00)	x

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 28, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ######DATE_TIME####
File name: ####FILENAME.DGN####

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

ILLINOIS RIVER

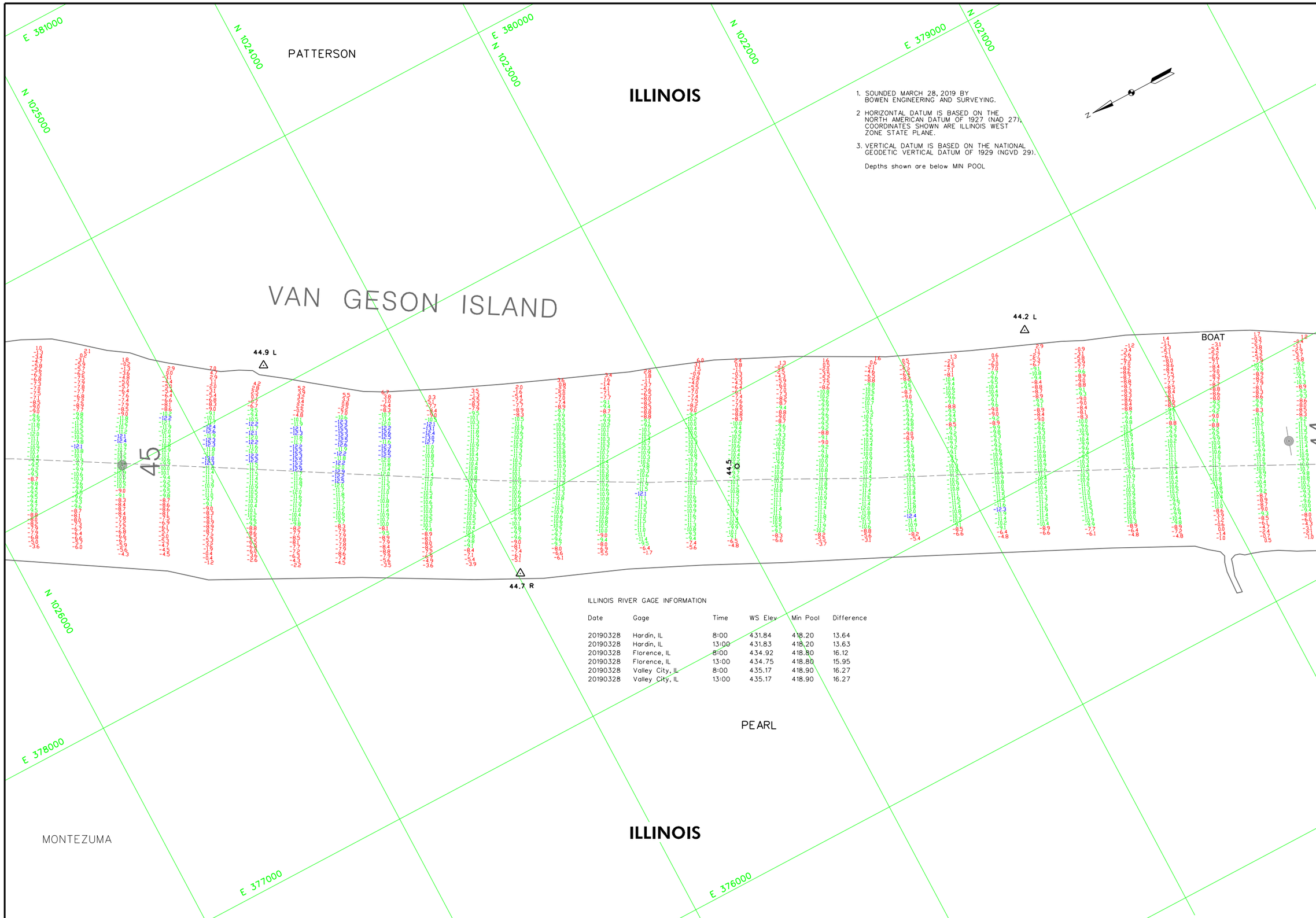
60 200 0 0 60 200 120 METERS 400 FEET

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 46.2 – 45.1

PLATE NUMBER

33



1. SOUNDED MARCH 28, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190328	Hardin, IL	8:00	431.84	418.20	13.64
20190328	Hardin, IL	13:00	431.83	418.20	13.63
20190328	Florence, IL	8:00	434.92	418.80	16.12
20190328	Florence, IL	13:00	434.75	418.80	15.95
20190328	Valley City, IL	8:00	435.17	418.90	16.27
20190328	Valley City, IL	13:00	435.17	418.90	16.27

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
28 MAR 2019	31.84(8:00) 31.83(13:00)	34.92(8:00) 34.75(13:00)	17.17(8:00) 17.17(13:00)	x

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 28, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 8888888TE 7TH88888
File name: 888FIGSIGNFILE8FIGFIGFIGFIGN888

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

ILLINOIS RIVER

120 METERS 400 FEET
60 0 0 200
60 200

THE INFORMATION DEPICTED 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
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 45.1 – 44.1

PLATE NUMBER
34

1. SOUNDED MARCH 28, 2019 BY BOWEN ENGINEERING AND SURVEYING.

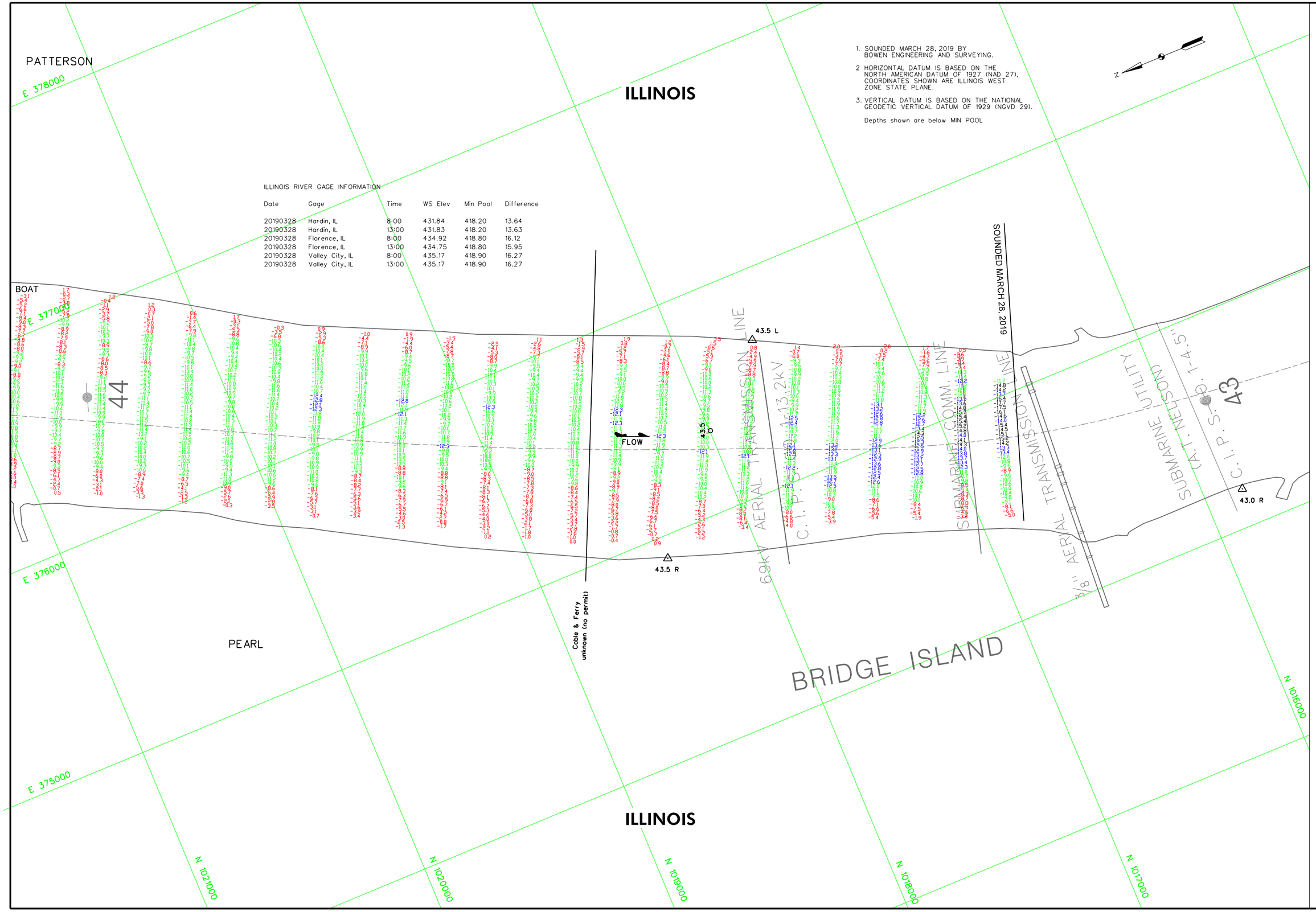
2 HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST ZONE STATE PLANE.

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

Depths shown are below MIN POOL

ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190328	Hardin, IL	8:00	431.84	418.20	13.64
20190328	Hardin, IL	13:00	431.83	418.20	13.63
20190328	Florence, IL	8:00	434.92	418.80	16.12
20190328	Florence, IL	13:00	434.75	418.80	15.95
20190328	Valley City, IL	8:00	435.17	418.90	16.27
20190328	Valley City, IL	13:00	435.17	418.90	16.27



US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MERIDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
28 MAR 2019	31.84(8:00) 31.83(13:00)	34.92(8:00) 34.75(13:00)	17.17(8:00) 17.17(13:00)	x

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 28, 2019
Drawn by: x
Ckd by: x
Reviewed by: x
SUBMITTED: x
APPROVED: x
Plot date: ####DATE: TIME####
File name: ####DESIGN FILE NAME####

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

ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200

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

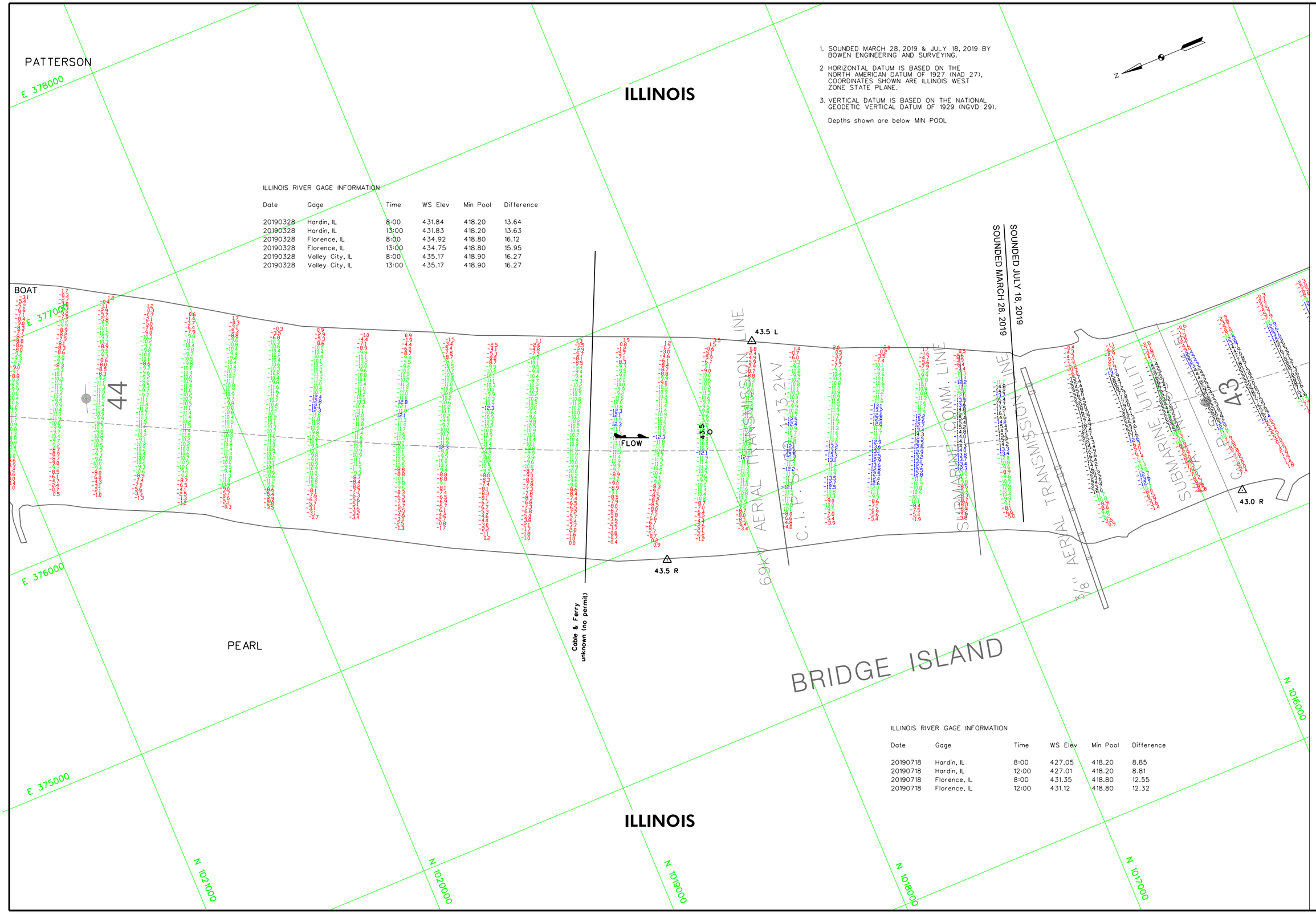
HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 44.1 – 43.0

PLATE NUMBER

35

1. SOUNDED MARCH 28, 2019 & JULY 18, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190328	Hardin, IL	8:00	431.84	418.20	13.64
20190328	Hardin, IL	13:00	431.83	418.20	13.63
20190328	Florence, IL	8:00	434.92	418.80	16.12
20190328	Florence, IL	13:00	434.75	418.80	15.95
20190328	Valley City, IL	8:00	435.17	418.90	16.27
20190328	Valley City, IL	13:00	435.17	418.90	16.27

ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190718	Hardin, IL	8:00	427.05	418.20	8.85
20190718	Hardin, IL	12:00	427.01	418.20	8.81
20190718	Florence, IL	8:00	431.35	418.80	12.55
20190718	Florence, IL	12:00	431.12	418.80	12.32

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
28 MAR 2019	31.84(8:00) 31.83(13:00)	34.92(8:00) 34.75(13:00)	17.17(8:00) 17.17(13:00)	x
18 JUL 2019	27.05(8:00) 27.01(12:00)	31.35(8:00) 31.12(12:00)	x	x

Surveyed by: BOWEN ENGINEERING
Survey Date: MAR. 28, 2019 & JULY 18, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####DATE: TIME####
File name: ####FILENAME.DGN####

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

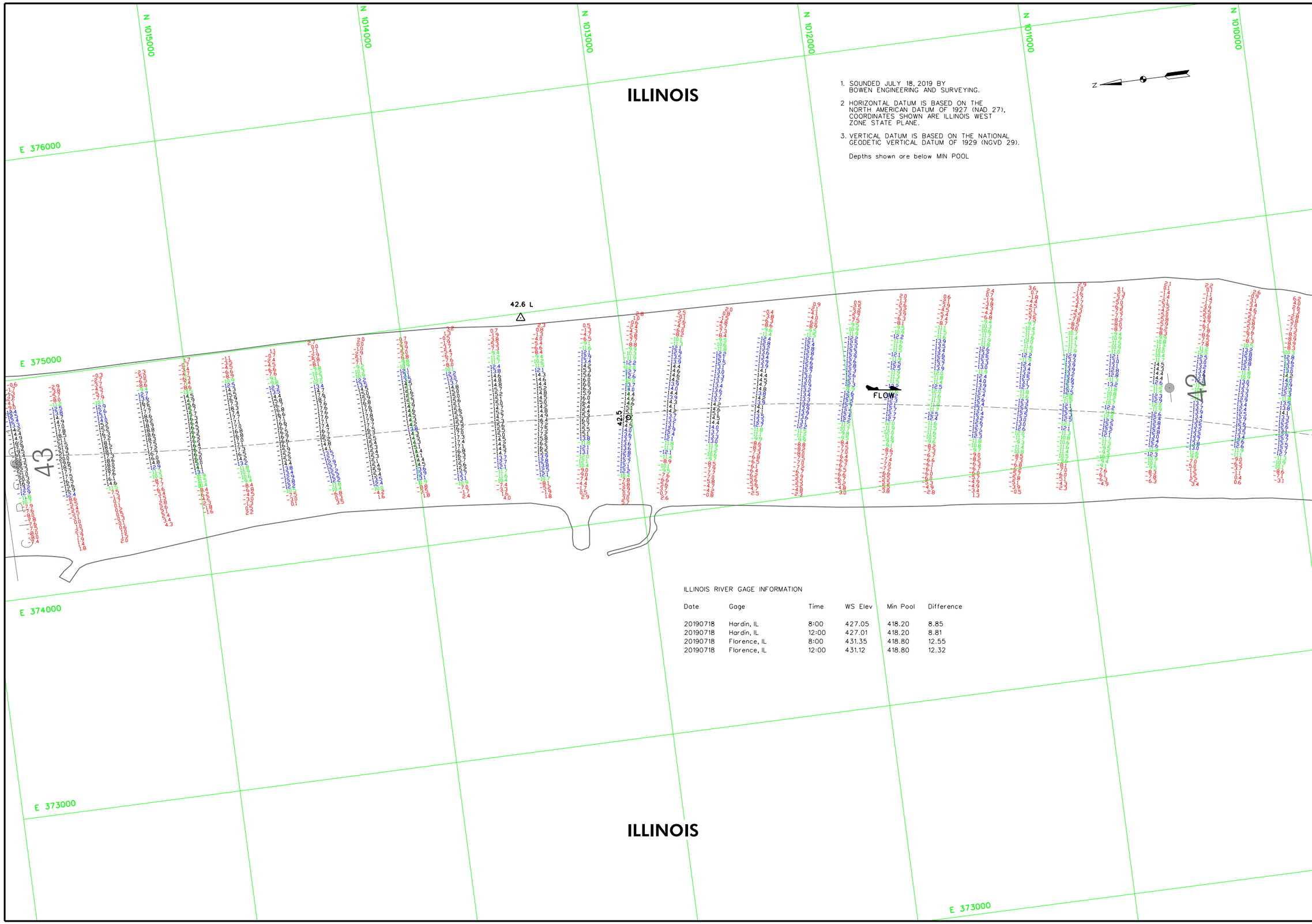
ILLINOIS RIVER

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

60 200 0 0 60 200 120 METERS 400 FEET

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 44.1 – 43.0

PLATE NUMBER
35



1. SOUNDED JULY 18, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190718	Hardin, IL	8:00	427.05	418.20	8.85
20190718	Hardin, IL	12:00	427.01	418.20	8.81
20190718	Florence, IL	8:00	431.35	418.80	12.55
20190718	Florence, IL	12:00	431.12	418.80	12.32

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MERIDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
18 JUL 2019	27.05(8:00) 27.01(12:00)	31.35(8:00) 31.12(12:00)	X	X

Surveyed by: BOWEN ENGINEERING
Survey Date: JULY 18, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 8888DATE TIME8888
File name: 888FIGNAME8888

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

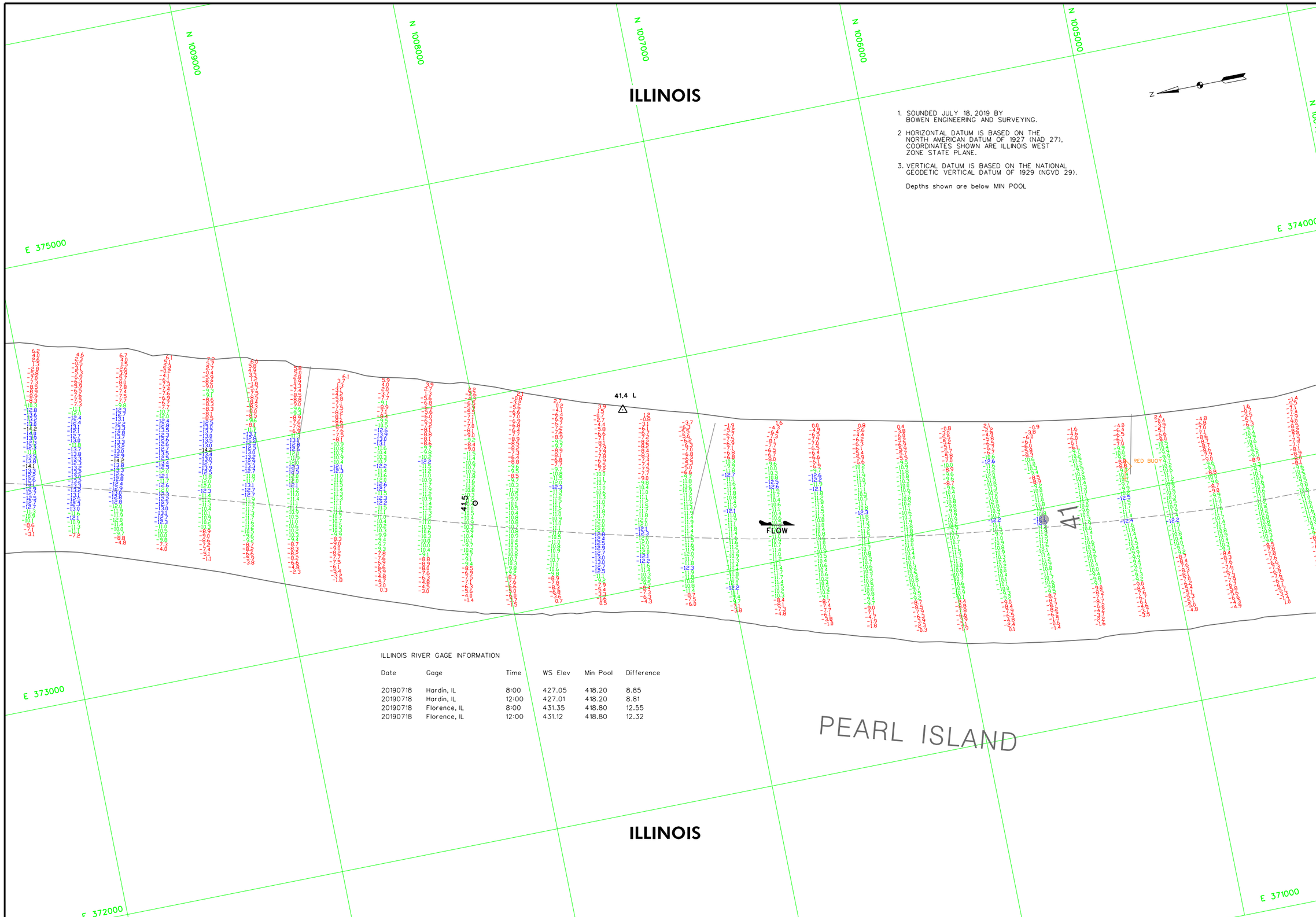
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200 600

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE IN THE FIELD AND PLOTTED AS SHOWN ON THIS PLATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 43.0 – 41.9

PLATE NUMBER
36



1. SOUNDED JULY 18, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190718	Hardin, IL	8:00	427.05	418.20	8.85
20190718	Hardin, IL	12:00	427.01	418.20	8.81
20190718	Florence, IL	8:00	431.35	418.80	12.55
20190718	Florence, IL	12:00	431.12	418.80	12.32

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MERIDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
18 JUL 2019	27.05(8:00) 27.01(12:00)	31.35(8:00) 31.12(12:00)	X	X

Surveyed by: BOWEN ENGINEERING
Survey Date: JULY 18, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: #####DATE TIME####
File name: ##########\#########\#########

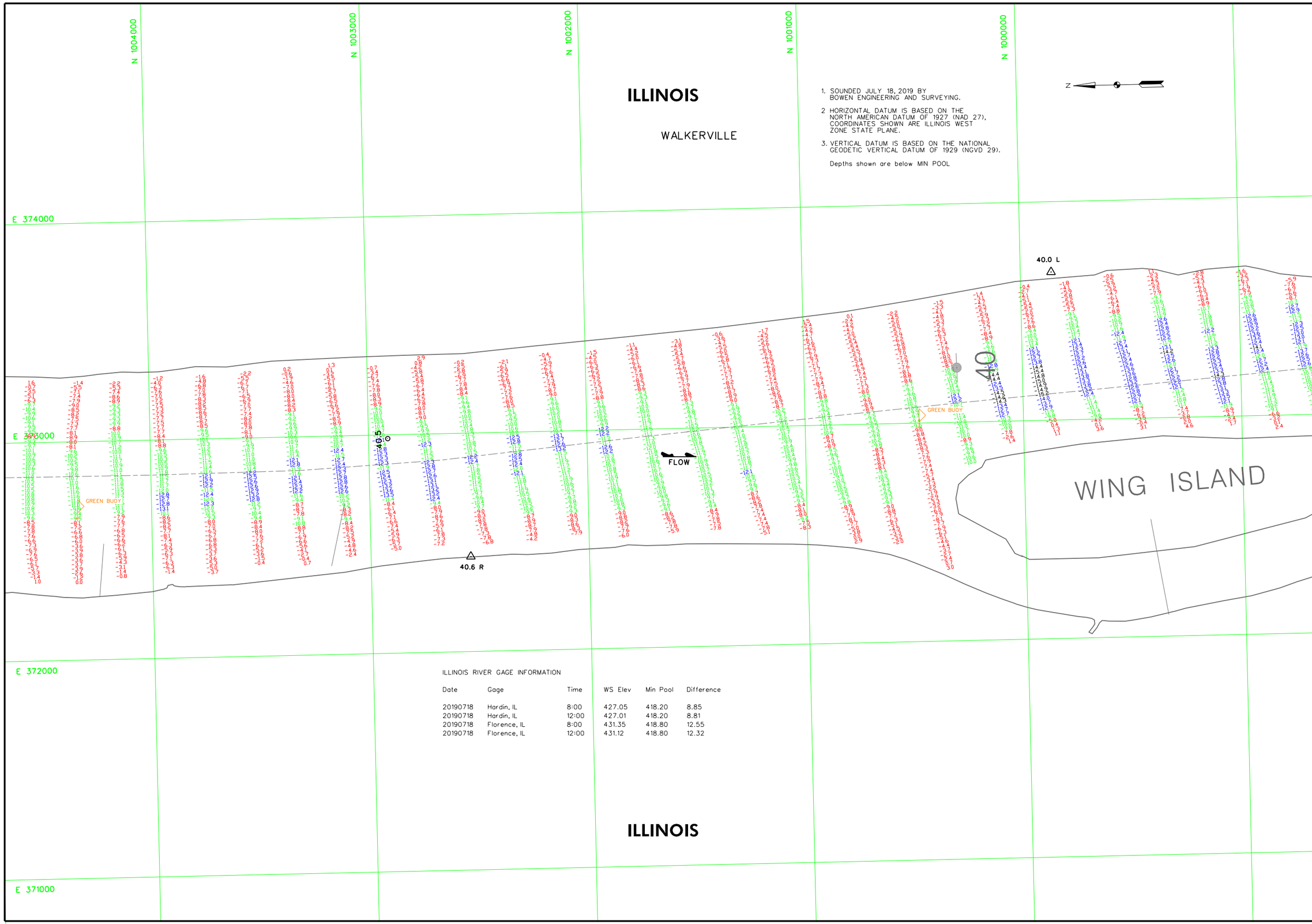
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER

120 METERS
400 FEET
60 0 60 200
200 0 200
THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED. THE RESULTS ARE REPORTED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 41.9 – 40.8

PLATE NUMBER
37



1. SOUNDED JULY 18, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190718	Hardin, IL	8:00	427.05	418.20	8.85
20190718	Hardin, IL	12:00	427.01	418.20	8.81
20190718	Florence, IL	8:00	431.35	418.80	12.55
20190718	Florence, IL	12:00	431.12	418.80	12.32

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MERIDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
18 JUL 2019	27.05(8:00) 27.01(12:00)	31.35(8:00) 31.12(12:00)	X	X

Surveyed by: BOWEN ENGINEERING
Survey Date: JULY 18, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 8888DATE TIME8888
File name: 8888FIGURE8888

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

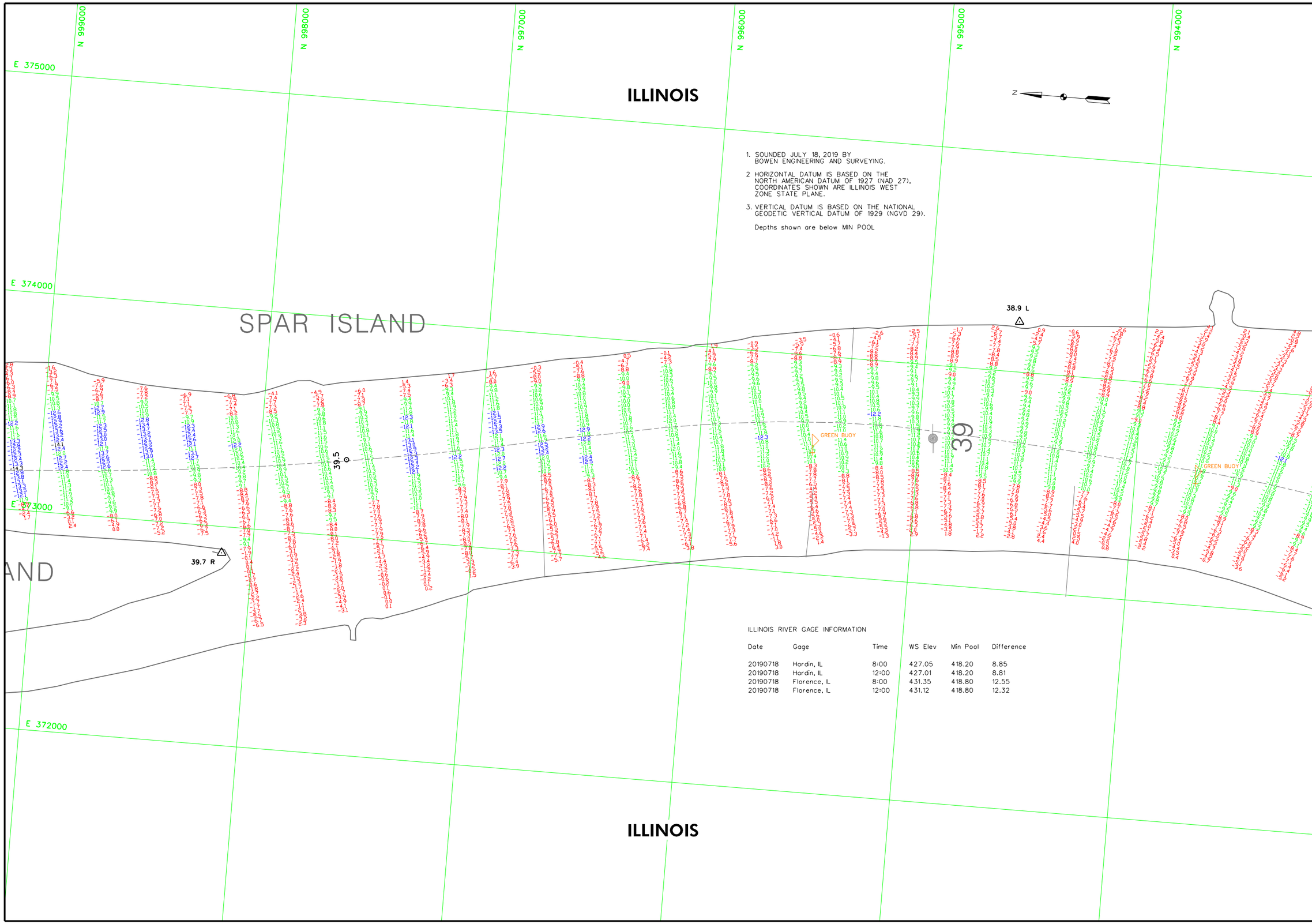
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200 600

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 40.8 – 39.7

PLATE NUMBER
38



1. SOUNDED JULY 18, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190718	Hardin, IL	8:00	427.05	418.20	8.85
20190718	Hardin, IL	12:00	427.01	418.20	8.81
20190718	Florence, IL	8:00	431.35	418.80	12.55
20190718	Florence, IL	12:00	431.12	418.80	12.32

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
18 JUL 2019	27.05(8:00) 27.01(12:00)	31.35(8:00) 31.12(12:00)	X	X

Surveyed by: BOWEN ENGINEERING
Survey Date: JULY 18, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ########
File name: ########

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

ILLINOIS RIVER

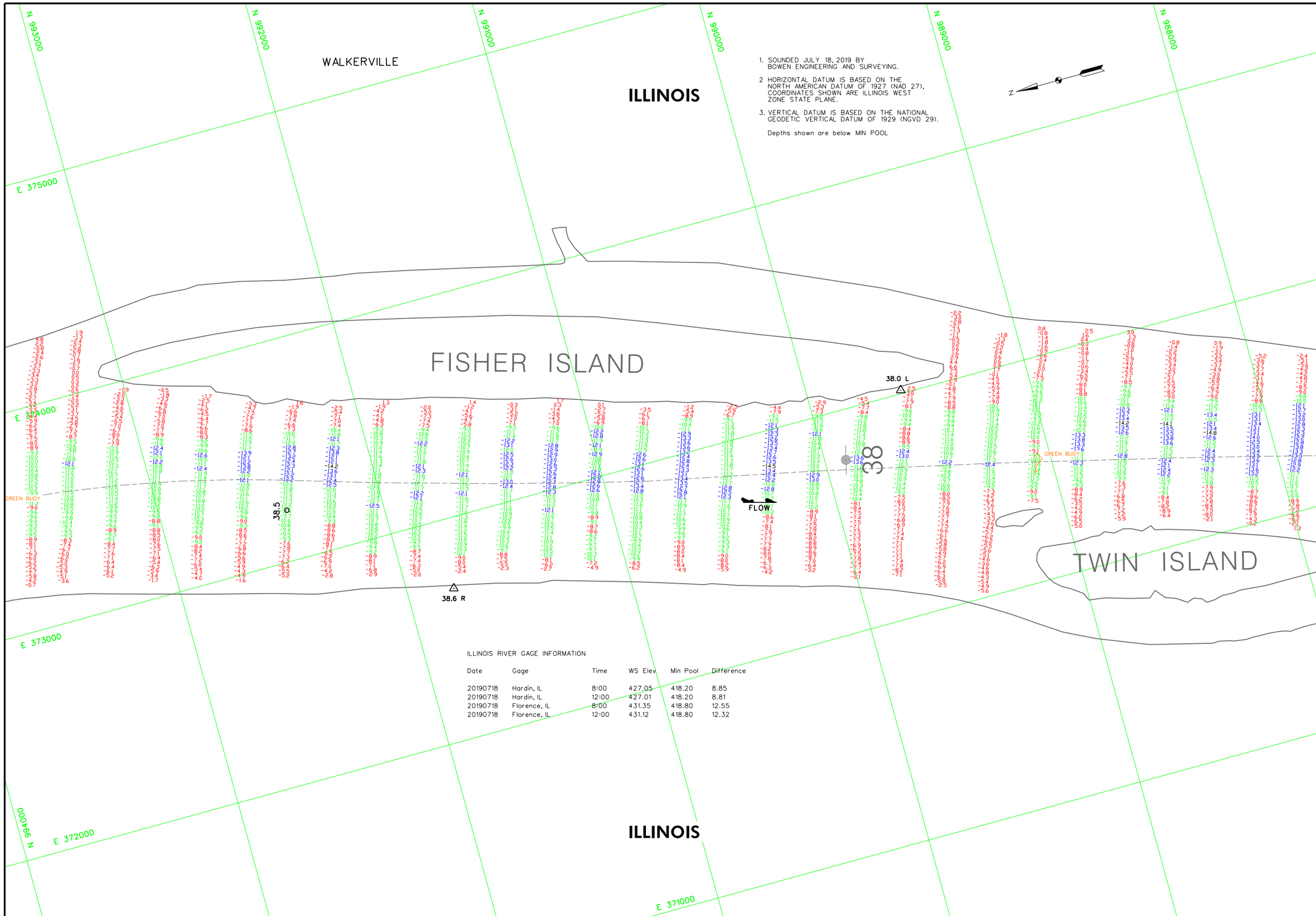
120 METERS 0 60 200
400 FEET 0 60 200

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 39.7 – 38.7

PLATE NUMBER

39



1. SOUNDED JULY 18, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190718	Hardin, IL	8:00	427.05	418.20	8.85
20190718	Hardin, IL	12:00	427.01	418.20	8.81
20190718	Florence, IL	8:00	431.35	418.80	12.55
20190718	Florence, IL	12:00	431.12	418.80	12.32

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
18 JUL 2019	27.05(8:00) 27.01(12:00)	31.35(8:00) 31.12(12:00)	X	X

Surveyed by: BOWEN ENGINEERING
Survey Date: JULY 18, 2019
Drawn by: X
Chkd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 8/8/2019 TUE 7:34:53 AM
File name: R:\8_PROJECTS\ILLINOIS RIVER\ILLINOIS RIVER 2019\8_HYDRO\PLATE 40 ILLINOIS RIVER 2019.DGN

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

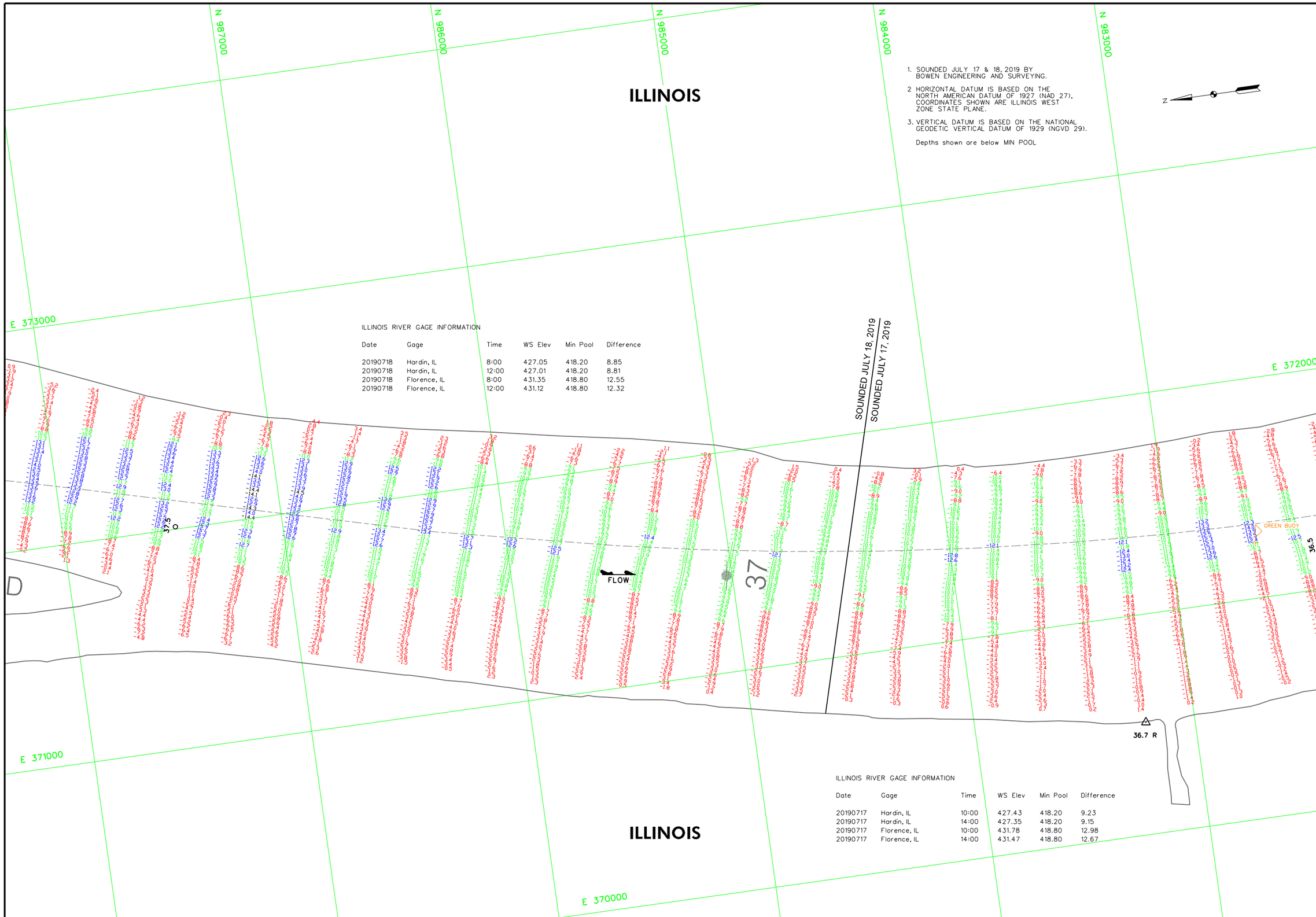
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200 600

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 38.7 – 37.6

PLATE NUMBER
40



1. SOUNDED JULY 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 ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190718	Hardin, IL	8:00	427.05	418.20	8.85
20190718	Hardin, IL	12:00	427.01	418.20	8.81
20190718	Florence, IL	8:00	431.35	418.80	12.55
20190718	Florence, IL	12:00	431.12	418.80	12.32

ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190717	Hardin, IL	10:00	427.43	418.20	9.23
20190717	Hardin, IL	14:00	427.35	418.20	9.15
20190717	Florence, IL	10:00	431.78	418.80	12.98
20190717	Florence, IL	14:00	431.47	418.80	12.67

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MERIDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
17 JUL 2019	27:43:10(00)	27:35:14-00)	31:78:10(00)	31:47:14(00)
18 JUL 2019	27:05:8(00)	27:01:2(00)	31:15:8(00)	31:12:12(00)

Survey Date: JULY 17 & 18, 2019
Surveyed by: BOWEN ENGINEERING
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####/##/## ##:##:##
File name: ##########\##########\##########

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

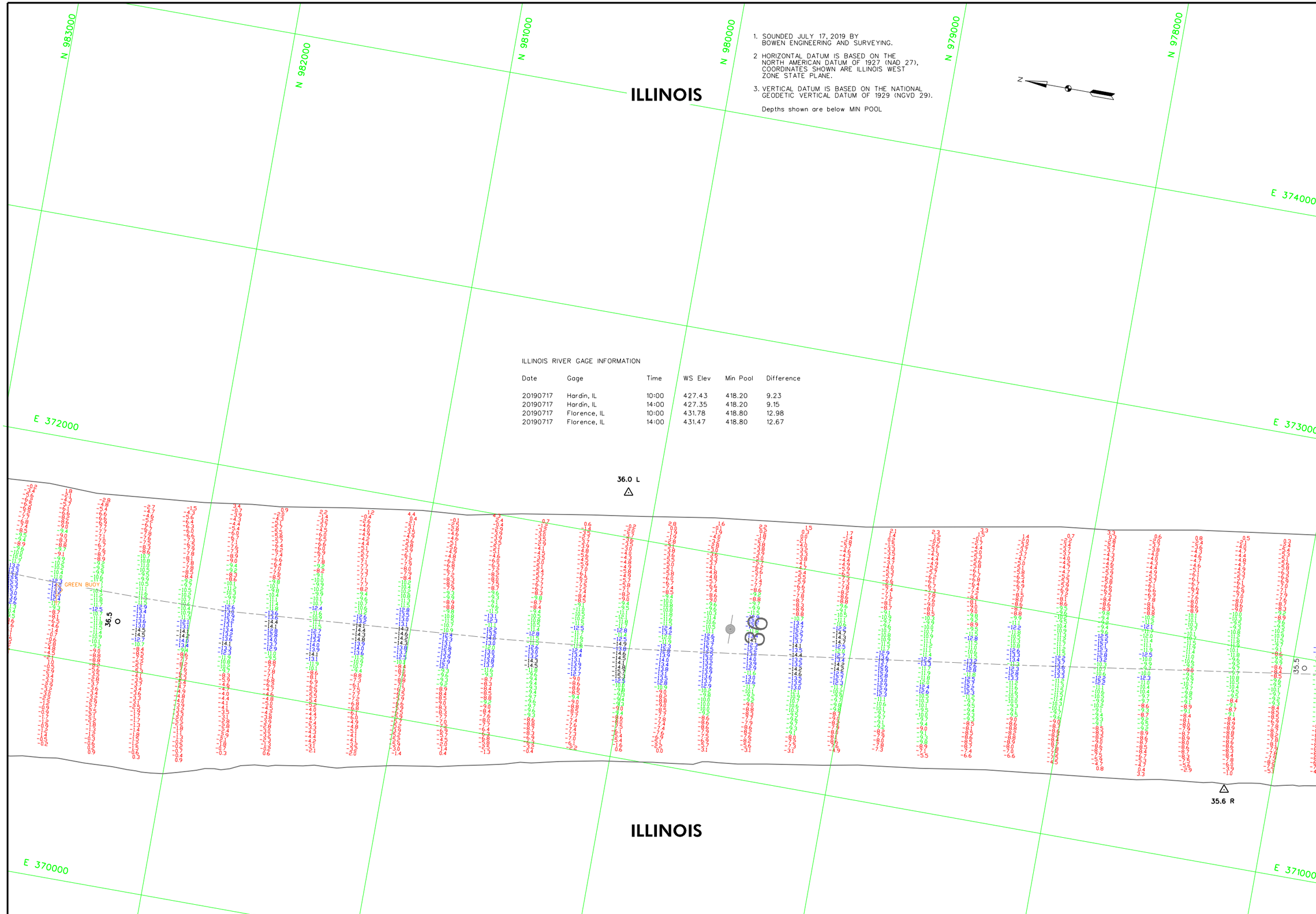
ILLINOIS RIVER

120 METERS 0 60 200
400 FEET 0 200 600

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 37.6 – 36.5

PLATE NUMBER
41



1. SOUNDED JULY 17, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190717	Hardin, IL	10:00	427.43	418.20	9.23
20190717	Hardin, IL	14:00	427.35	418.20	9.15
20190717	Florence, IL	10:00	431.78	418.80	12.98
20190717	Florence, IL	14:00	431.47	418.80	12.67

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
17 JUL 2019	27.43(10:00)	27.35(14:00)	31.78(10:00)	31.47(14:00)
			X	X

Surveyed by: BOWEN ENGINEERING
Survey Date: JULY 17, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####DATE: TIME####
File name: ####RESIGNFILENAME.DGN####

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

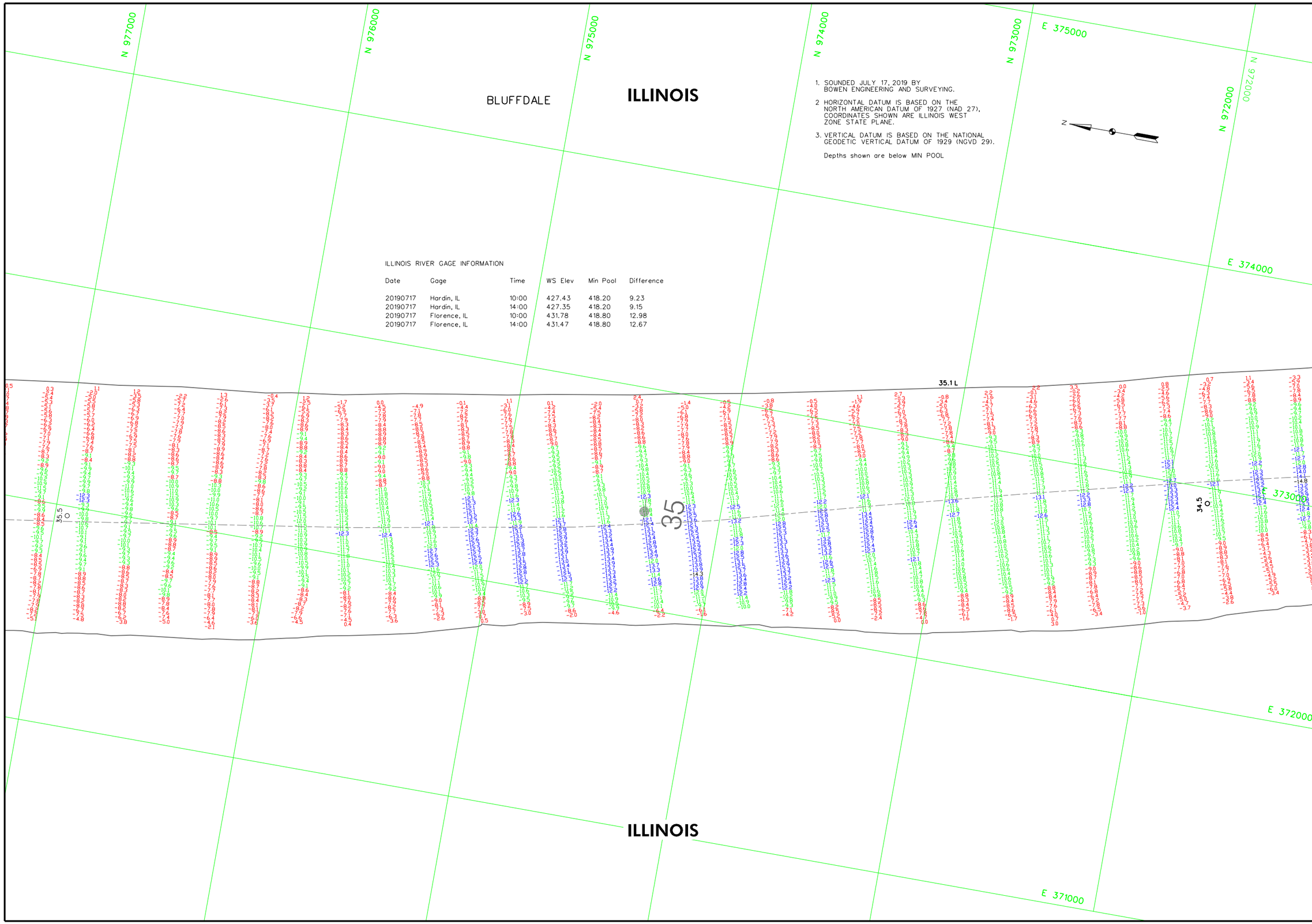
ILLINOIS RIVER

120 METERS 60 0 400 FEET 200 0
60 200

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 36.5 – 35.5

PLATE NUMBER
42



1. SOUNDED JULY 17, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190717	Hardin, IL	10:00	427.43	418.20	9.23
20190717	Hardin, IL	14:00	427.35	418.20	9.15
20190717	Florence, IL	10:00	431.78	418.80	12.98
20190717	Florence, IL	14:00	431.47	418.80	12.67

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MERIDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
17 JUL 2019	27:43:10(00)	27:35:14-00)	31:78:10(00)	31:47:14(00)

Surveyed by: BOWEN ENGINEERING
Survey Date: JULY 17, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ########/TIME####
File name: R80TO0SOUNDINGS.DGN

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

ILLINOIS RIVER

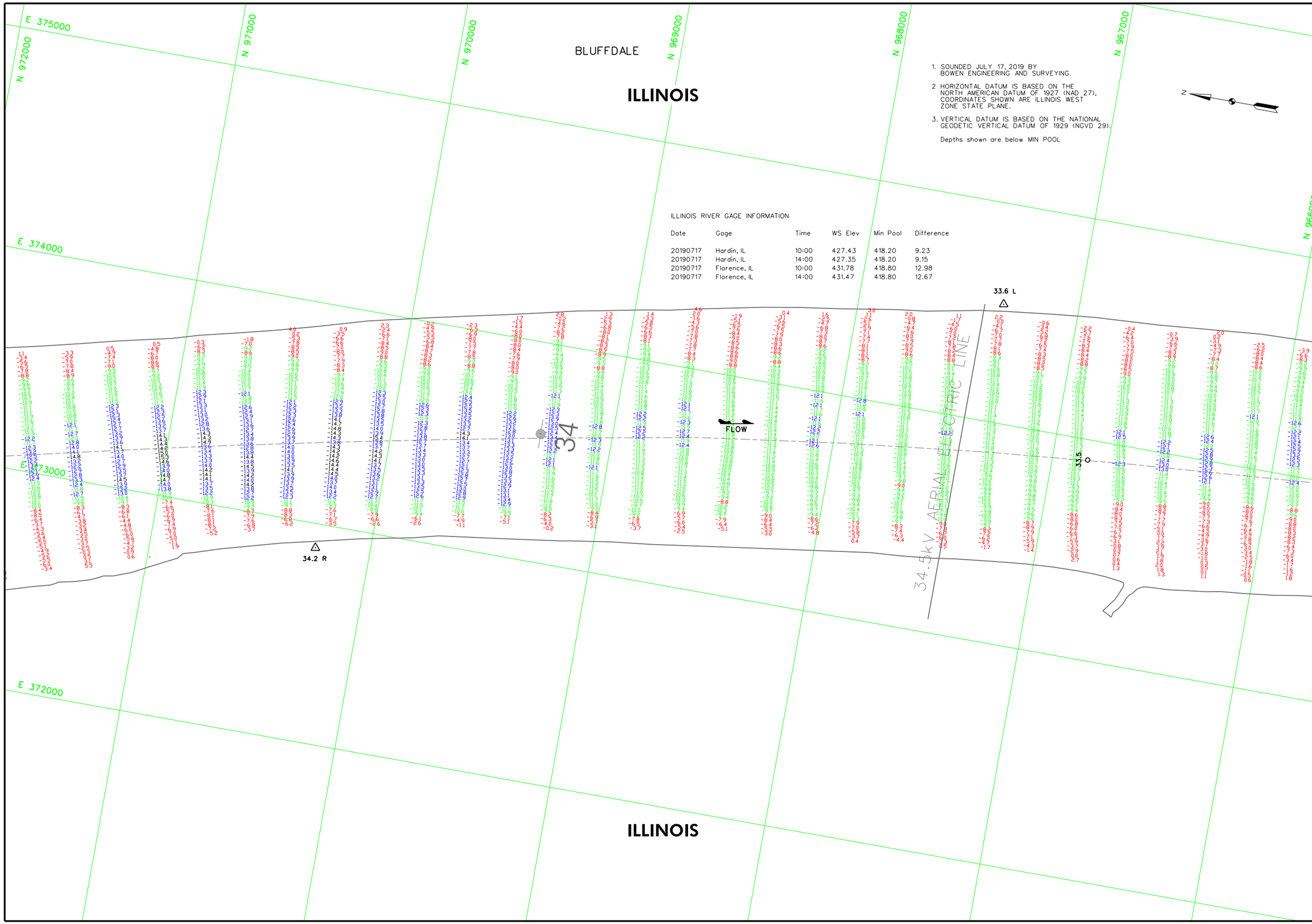
60 200 0 0 60 120 METERS
200 400 FEET

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
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 35.5 – 34.4

PLATE NUMBER

43



1. SOUNDED JULY 17, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190717	Hardin, IL	10:00	427.43	418.20	9.23
20190717	Hardin, IL	14:00	427.35	418.20	9.15
20190717	Florence, IL	10:00	431.78	418.80	12.98
20190717	Florence, IL	14:00	431.47	418.80	12.67

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
17 JUL 2019	27.43(10:00) 27.35(14:00)	31.78(10:00) 31.47(14:00)	X	X

Surveyed by: BOWEN ENGINEERING
Survey Date: JULY 17, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 8888DATE TIME8888
File name: 8888FIGNAME8888

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

ILLINOIS RIVER

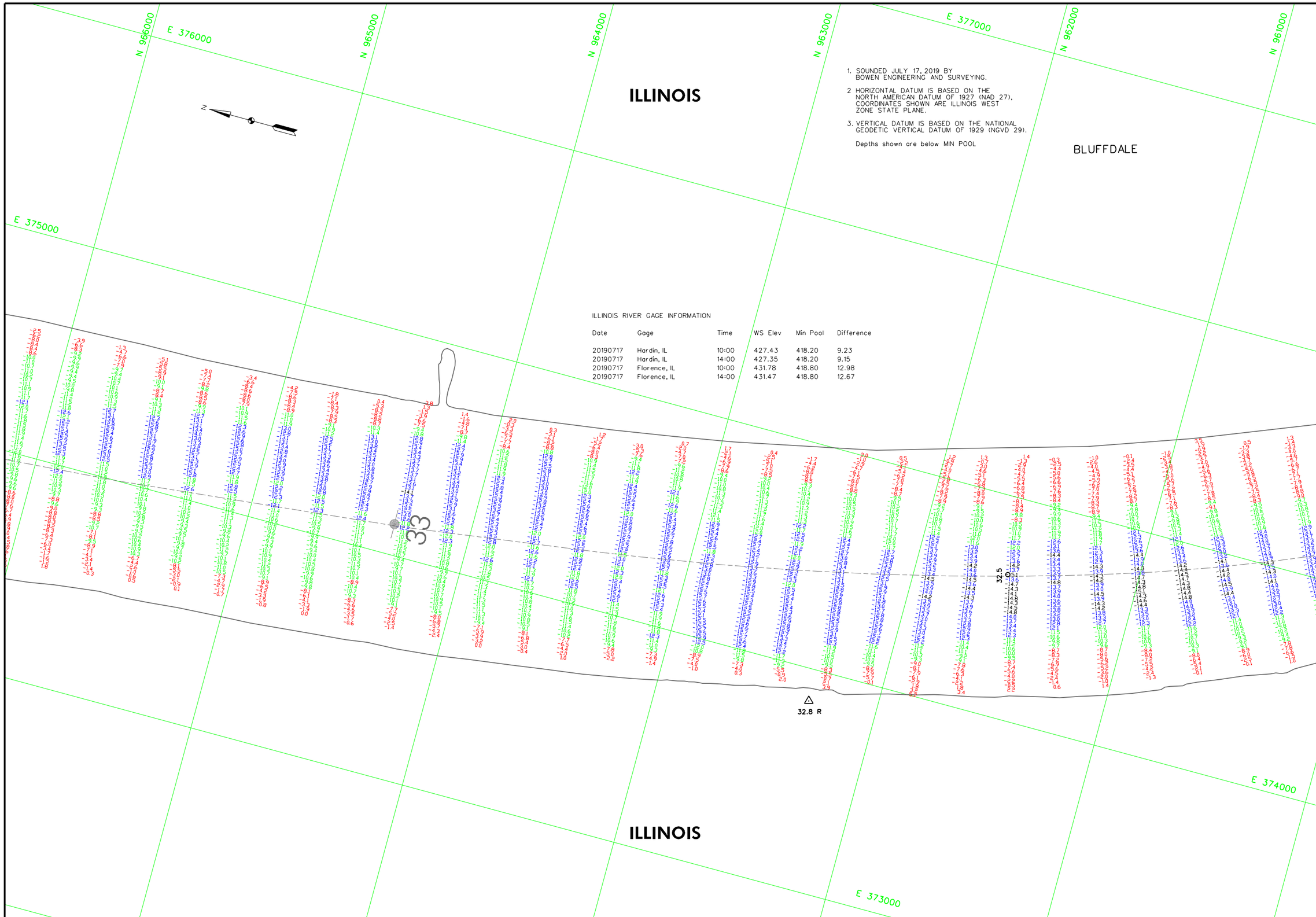
120 METERS 400 FEET
60 200
0 0
60 200

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 34.4 – 33.4

PLATE NUMBER

44



1. SOUNDED JULY 17, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190717	Hardin, IL	10:00	427.43	418.20	9.23
20190717	Hardin, IL	14:00	427.35	418.20	9.15
20190717	Florence, IL	10:00	431.78	418.80	12.98
20190717	Florence, IL	14:00	431.47	418.80	12.67

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
17 JUL 2019	27.43(10:00) 27.35(14:00)	31.78(10:00) 31.47(14:00)	X	X

Survey Date: JULY 17, 2019

Surveyed by: BOWEN ENGINEERING

Drawn by: X

Ckd by: X

Reviewed by: X

SUBMITTED: X

APPROVED: X

Plot date: ########TIME####

File name: ##########\DESIGN\CAD\CONVERT

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

ILLINOIS RIVER

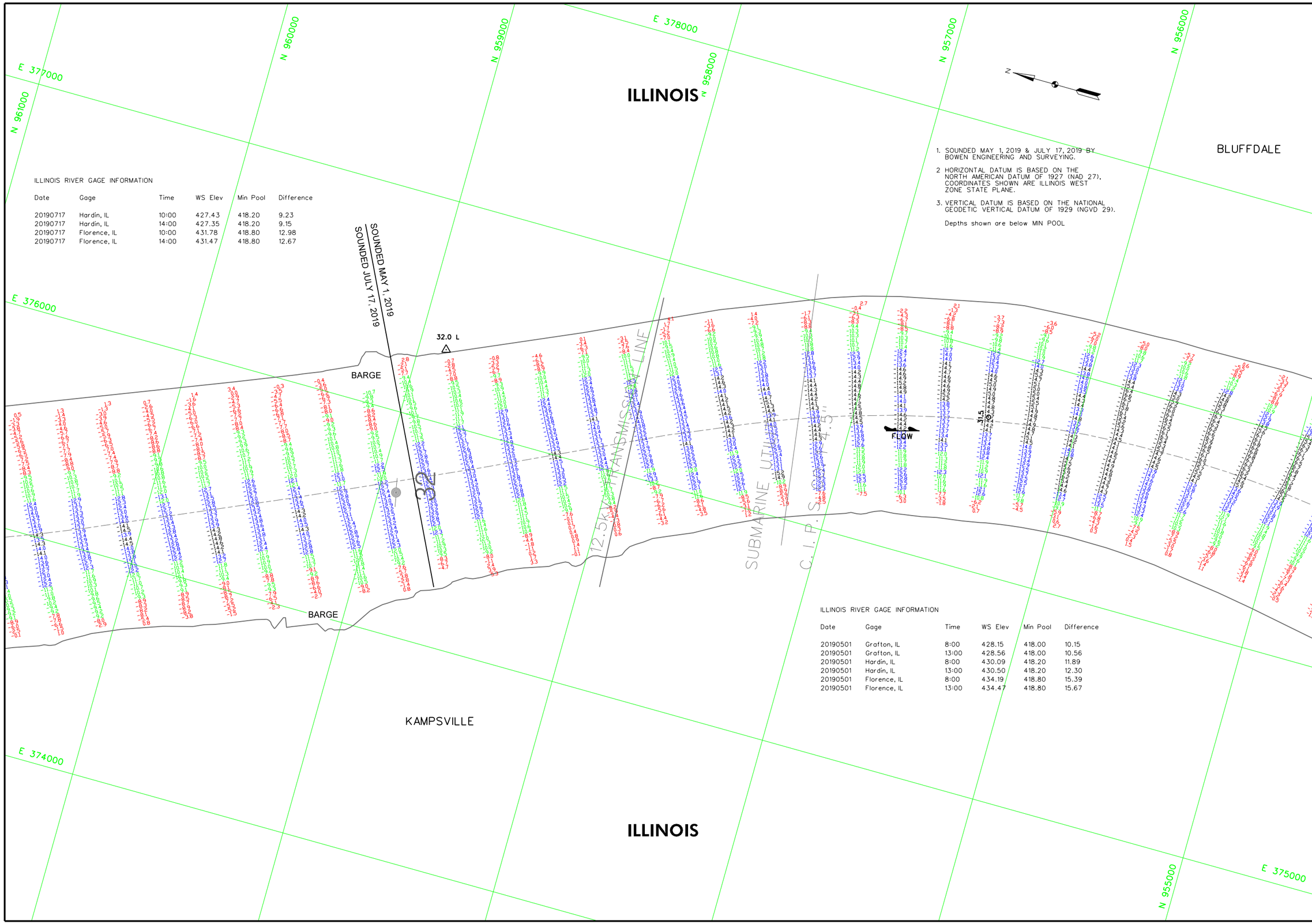
120 METERS 0 60 200 400 FEET

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 33.4 – 32.3

PLATE NUMBER

45



ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190717	Hardin, IL	10:00	427.43	418.20	9.23
20190717	Hardin, IL	14:00	427.35	418.20	9.15
20190717	Florence, IL	10:00	431.78	418.80	12.98
20190717	Florence, IL	14:00	431.47	418.80	12.67

1. SOUNDED MAY 1, 2019 & JULY 17, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190501	Grafton, IL	8:00	428.15	418.00	10.15
20190501	Grafton, IL	13:00	428.56	418.00	10.56
20190501	Hardin, IL	8:00	430.09	418.20	11.89
20190501	Hardin, IL	13:00	430.50	418.20	12.30
20190501	Florence, IL	8:00	434.19	418.80	15.39
20190501	Florence, IL	13:00	434.47	418.80	15.67

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MERODOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
1 MAY 2019	24.36(8:00) 24.77(13:00)	30.09(8:00) 30.50(13:00)	34.19(8:00) 34.47(13:00)	x
17 JUL 2019	27.43(10:00) 27.35(14:00)	31.78(10:00) 31.47(14:00)	x	x

Surveyed by: BOWEN ENGINEERING
Survey Date: MAY 1, 2019 & JULY 17, 2019
Drawn by: x
Ckd by: x
Reviewed by: x
SUBMITTED: x
APPROVED: x
Plot date: ####DATE TIME####
File name: ####SCHEME####

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

ILLINOIS RIVER

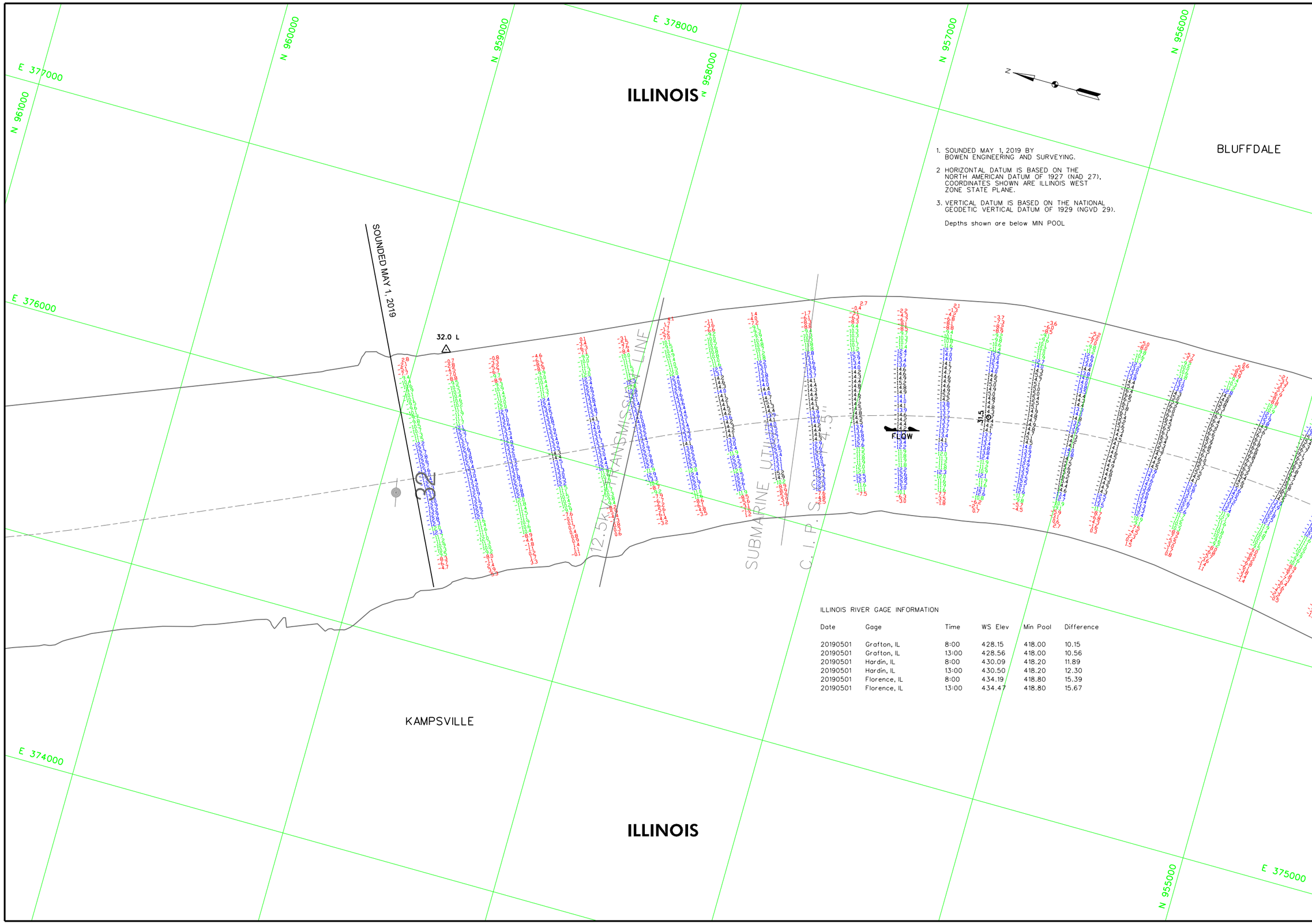
60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON 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
ILLINOIS RIVER - MILES 80 TO 0
RIVER MILES 32.4 - 31.2

PLATE NUMBER

46



ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190501	Grafton, IL	8:00	428.15	418.00	10.15
20190501	Grafton, IL	13:00	428.56	418.00	10.56
20190501	Hardin, IL	8:00	430.09	418.20	11.89
20190501	Hardin, IL	13:00	430.50	418.20	12.30
20190501	Florence, IL	8:00	434.19	418.80	15.39
20190501	Florence, IL	13:00	434.47	418.80	15.67

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
1 MAY 2019	24.36(8:00) 24.77(13:00)	30.09(8:00) 30.50(13:00)	34.19(8:00) 34.47(13:00)	X

Surveyed by: BOWEN ENGINEERING
Survey Date: MAY 1, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ##########
File name: ##########

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

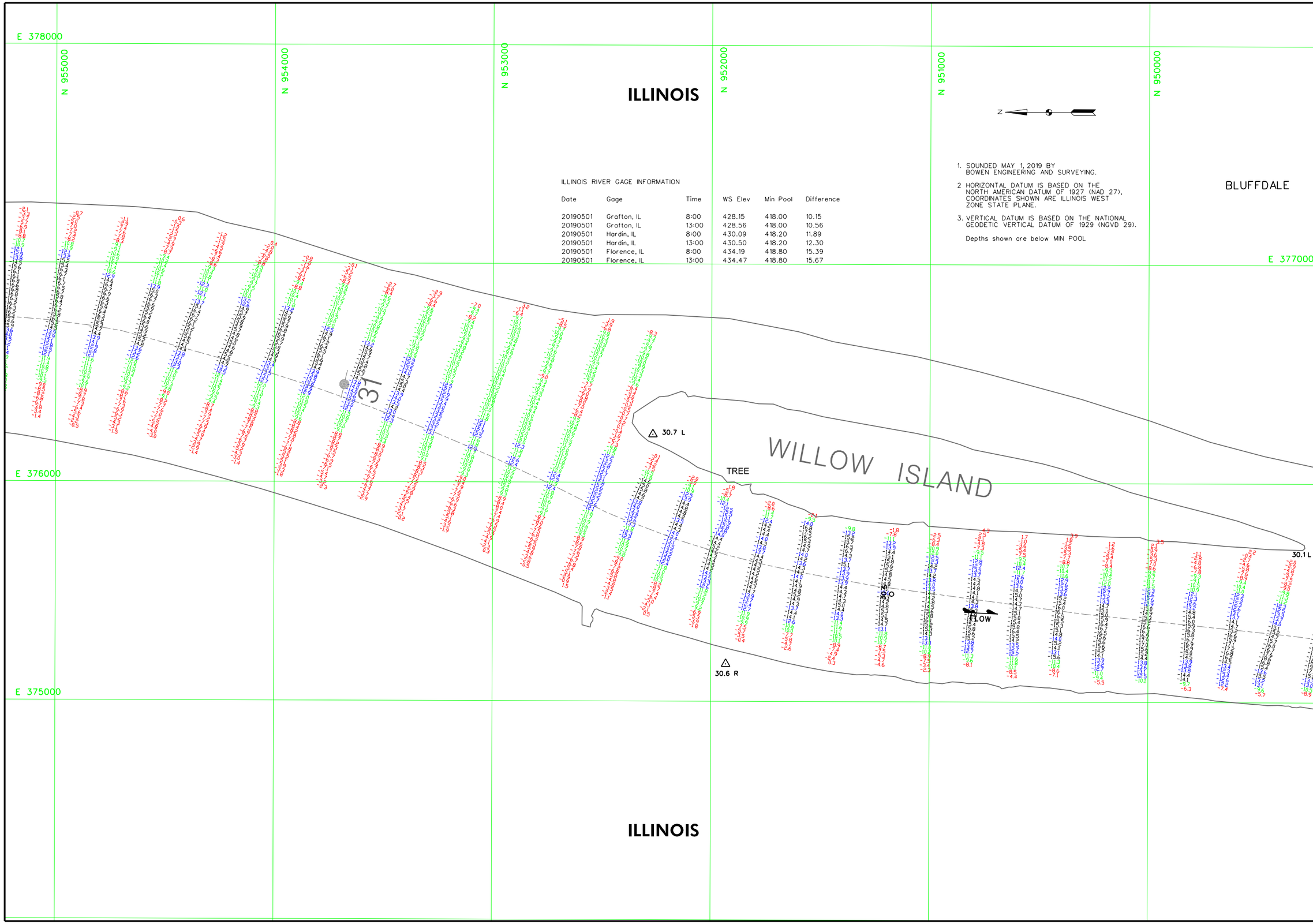
ILLINOIS RIVER

120 METERS
400 FEET
0 60 200
0 60 200

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER - MILES 80 TO 0
RIVER MILES 32.4 - 31.2

PLATE NUMBER
46



ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190501	Grafton, IL	8:00	428.15	418.00	10.15
20190501	Grafton, IL	13:00	428.56	418.00	10.56
20190501	Hardin, IL	8:00	430.09	418.20	11.89
20190501	Hardin, IL	13:00	430.50	418.20	12.30
20190501	Florence, IL	8:00	434.19	418.80	15.39
20190501	Florence, IL	13:00	434.47	418.80	15.67

1. SOUNDED MAY 1, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
1 MAY 2019	24.36(8:00) 24.77(13:00)	30.09(8:00) 30.50(13:00)	34.19(8:00) 34.47(13:00)	X

Surveyed by: BOWEN ENGINEERING
Survey Date: MAY 1, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 99999JULYTH,99999
File name: 99999CHARTS\PLATE\CHART0001.DGN

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

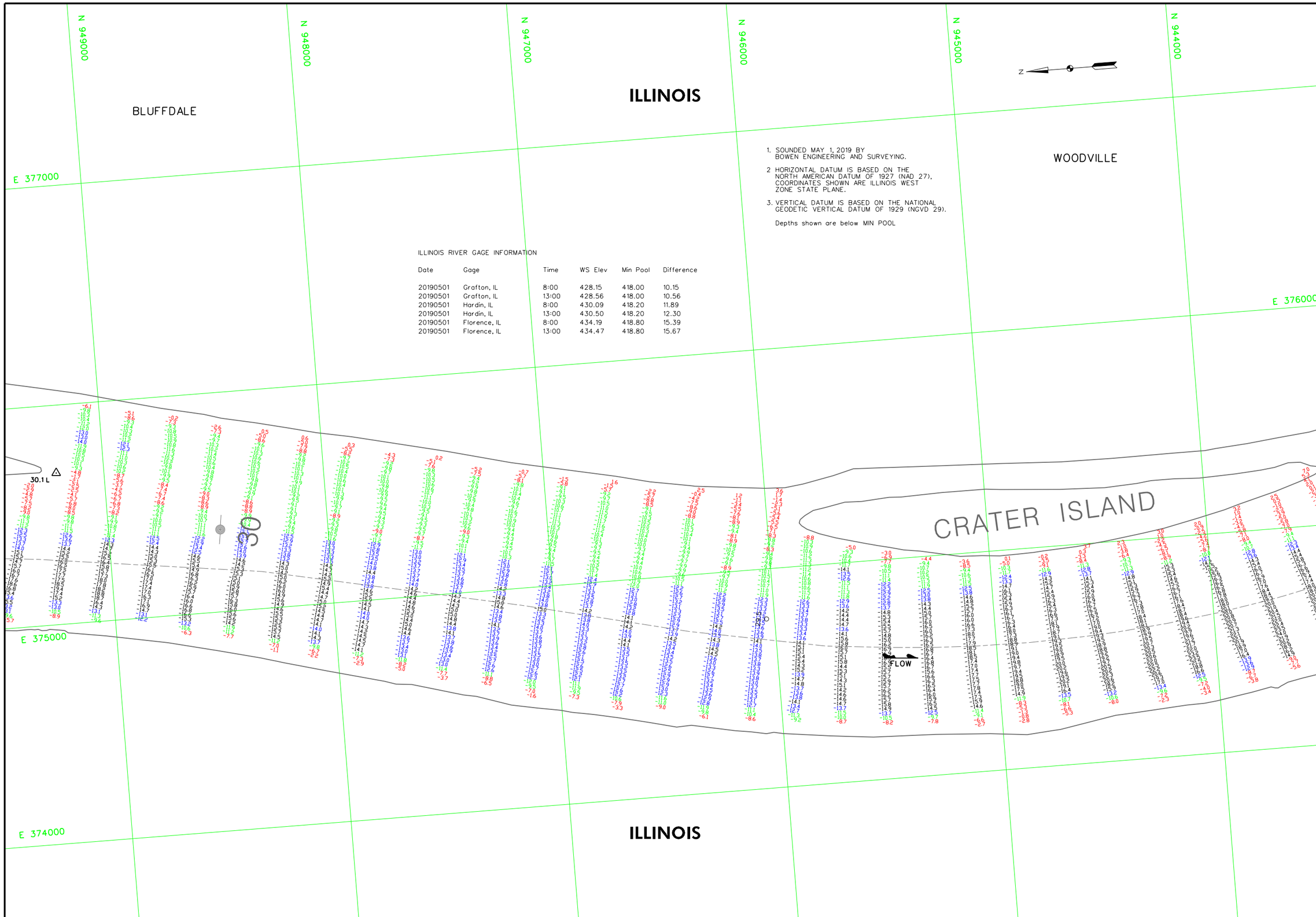
ILLINOIS RIVER

120 METERS 60 0 200 400 FEET

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
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 31.2 – 30.1

PLATE NUMBER
47



1. SOUNDED MAY 1, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190501	Grafton, IL	8:00	428.15	418.00	10.15
20190501	Grafton, IL	13:00	428.56	418.00	10.56
20190501	Hardin, IL	8:00	430.09	418.20	11.89
20190501	Hardin, IL	13:00	430.50	418.20	12.30
20190501	Florence, IL	8:00	434.19	418.80	15.39
20190501	Florence, IL	13:00	434.47	418.80	15.67

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MEREDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
1 MAY 2019	24.36(8:00) 24.77(13:00)	30.09(8:00) 30.50(13:00)	34.19(8:00) 34.47(13:00)	X

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

Surveyed by: BOWEN ENGINEERING
Survey Date: MAY 1, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####/##/## ##:##:##
File name: ##########################

ILLINOIS RIVER

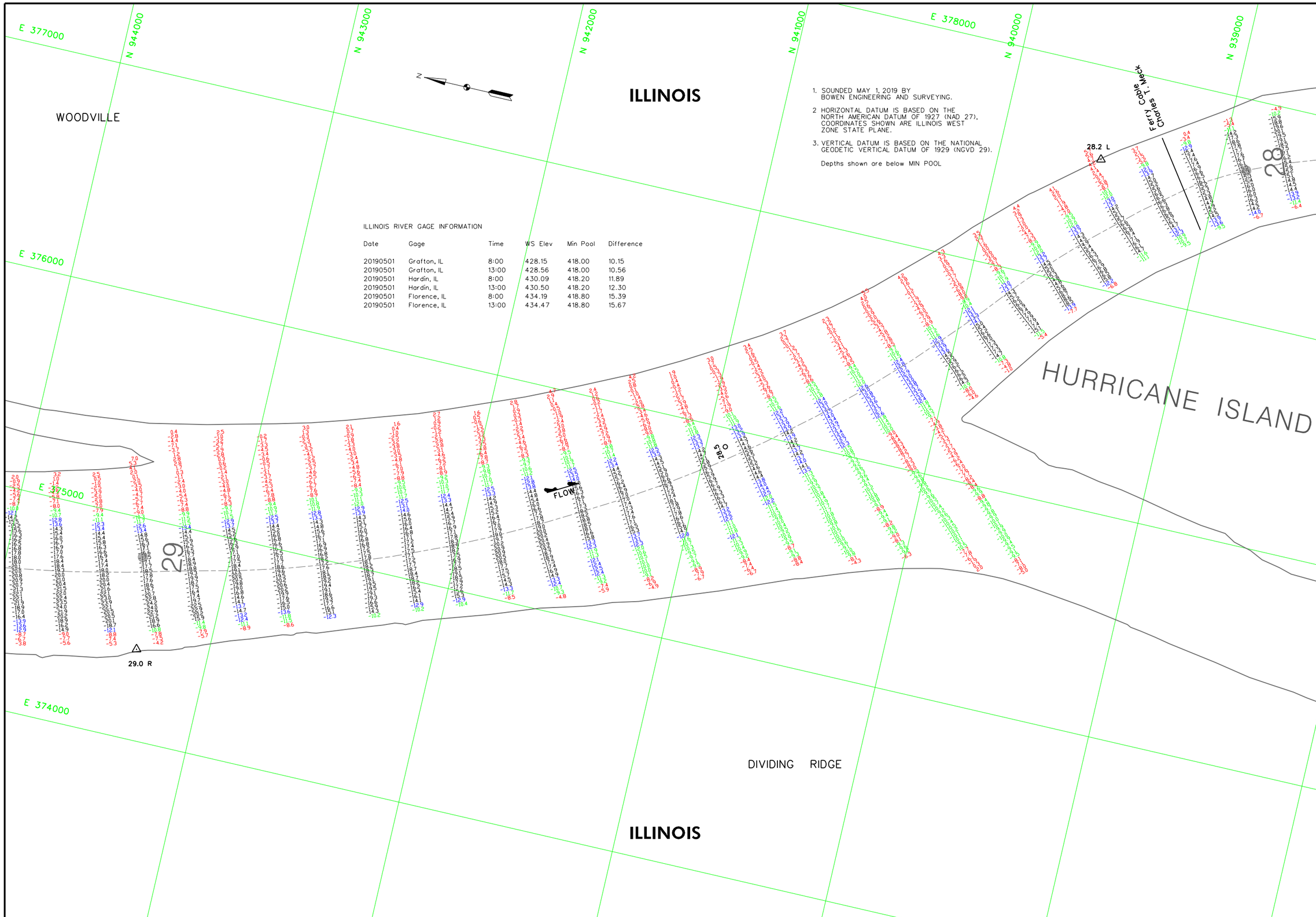
HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 30.1 – 29.1

60 200 0 0 60 200 120 METERS 400 FEET

THE INFORMATION REPORTED IN THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE(S) INDICATED. IT MAY NOT BE REPRESENTATIVE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER

48



1. SOUNDED MAY 1, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190501	Grafton, IL	8:00	428.15	418.00	10.15
20190501	Grafton, IL	13:00	428.56	418.00	10.56
20190501	Hardin, IL	8:00	430.09	418.20	11.89
20190501	Hardin, IL	13:00	430.50	418.20	12.30
20190501	Florence, IL	8:00	434.19	418.80	15.39
20190501	Florence, IL	13:00	434.47	418.80	15.67

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	FLORENCE	VALLEY CITY	MERIDOSIA
ZERO N.G.V.D.	400.00	400.00	418.00	418.00
MILE	21.5	56.0	61.3	70.8
MIN. POOL	418.2	418.8	418.9	419.0
1 MAY 2019	24.36(8:00)	24.77(13:00)	30.09(8:00)	30.50(13:00)	34.19(8:00)	34.47(13:00)	X

Surveyed by: BOWEN ENGINEERING
Survey Date: MAY 1, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####DATE TIME####
File name: ####FIGURE NAME####

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

ILLINOIS RIVER

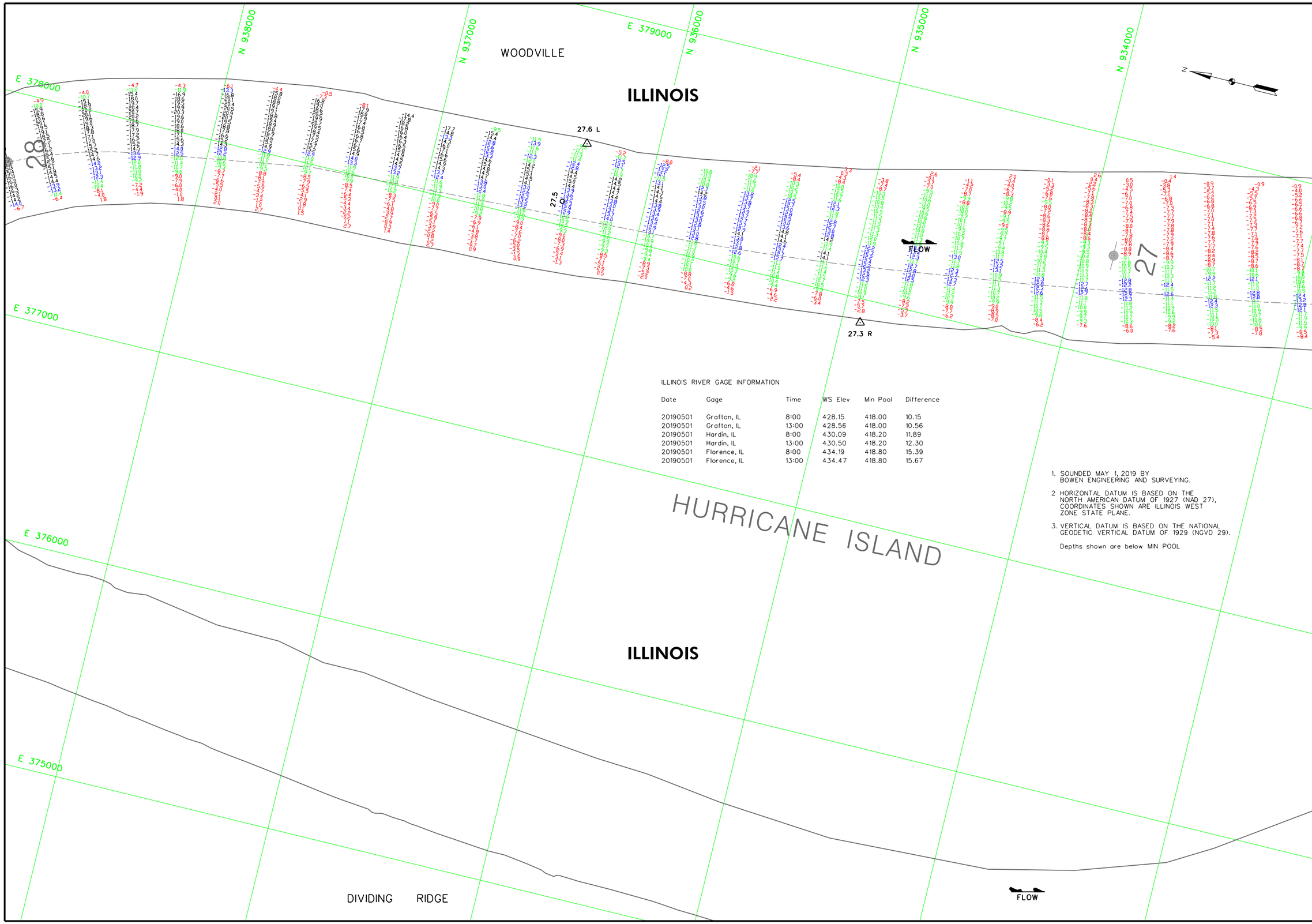
120 METERS 60 0 60 120
400 FEET 200 0 200 400

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 29.1 – 28.0

PLATE NUMBER

49



ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190501	Grafton, IL	8:00	428.15	418.00	10.15
20190501	Grafton, IL	13:00	428.56	418.00	10.56
20190501	Hardin, IL	8:00	430.09	418.20	11.89
20190501	Hardin, IL	13:00	430.50	418.20	12.30
20190501	Florence, IL	8:00	434.19	418.80	15.39
20190501	Florence, IL	13:00	434.47	418.80	15.67

1. SOUNDED MAY 1, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
1 MAY 2019	24.36(8:00) 24.77(13:00)	30.09(8:00) 30.50(13:00)	34.19(8:00) 34.47(13:00)	X

Surveyed by: BOWEN ENGINEERING
Survey Date: MAY 1, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####DATE, TIME####
File name: ####DRAWING FILENAME#####

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

ILLINOIS RIVER

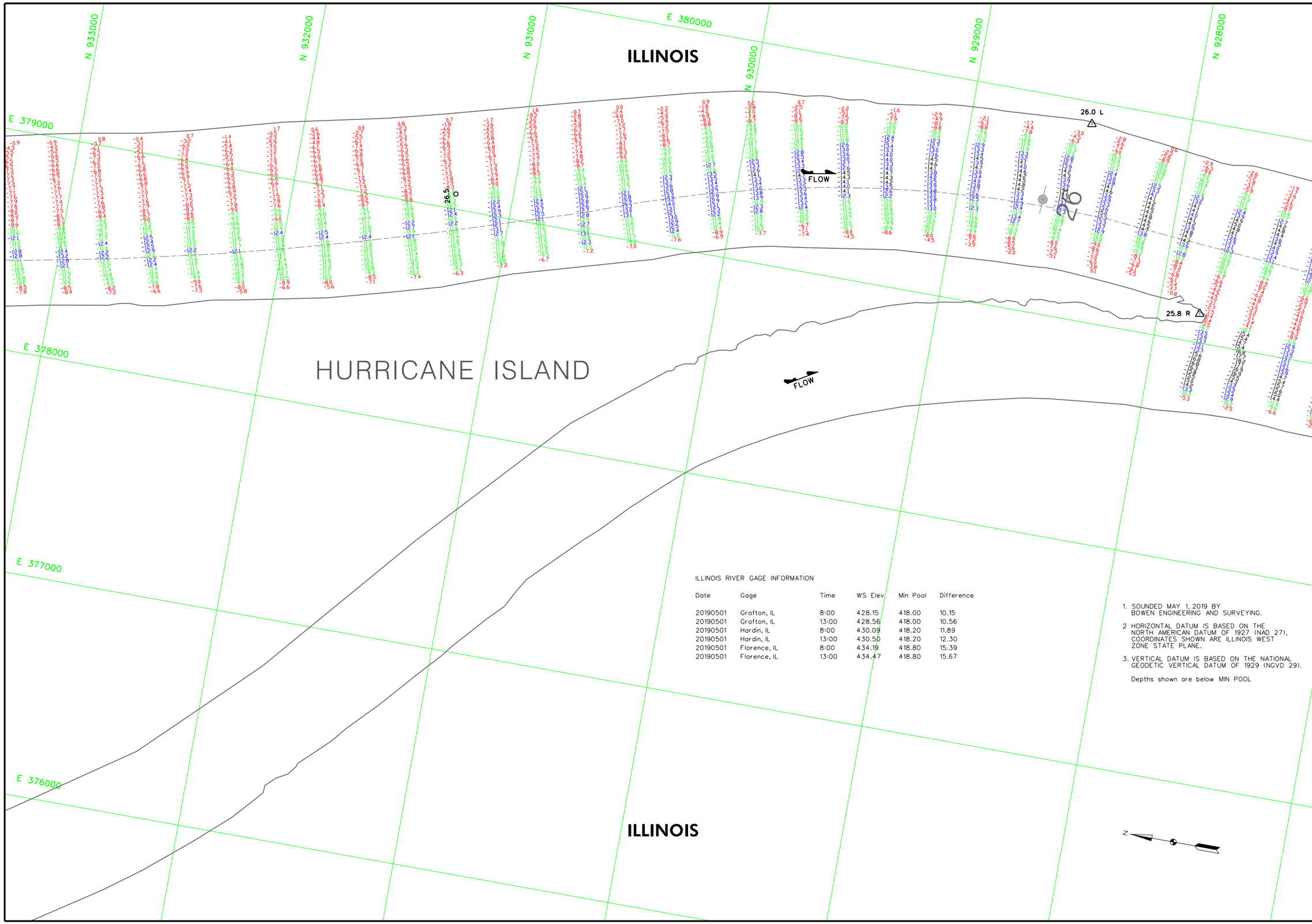
60 200 0 0 60 120 METERS
200 400 FEET

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 28.0 – 26.9

PLATE NUMBER

50



ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190501	Grafton, IL	8:00	428.15	418.00	10.15
20190501	Grafton, IL	13:00	428.56	418.00	10.56
20190501	Hardin, IL	8:00	430.09	418.20	11.89
20190501	Hardin, IL	13:00	430.50	418.20	12.30
20190501	Florence, IL	8:00	434.19	418.80	15.39
20190501	Florence, IL	13:00	434.47	418.80	15.67

1. SOUNDED MAY 1, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
1 MAY 2019	24.36(8:00) 24.71(13:00)	30.09(8:00) 30.50(13:00)	34.19(8:00) 34.47(13:00)	X

Surveyed by: BOWEN ENGINEERING
Survey Date: MAY 1, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ######DATE TIME######
File name: ##########\DGN\PLATE\CAPTION.DGN

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

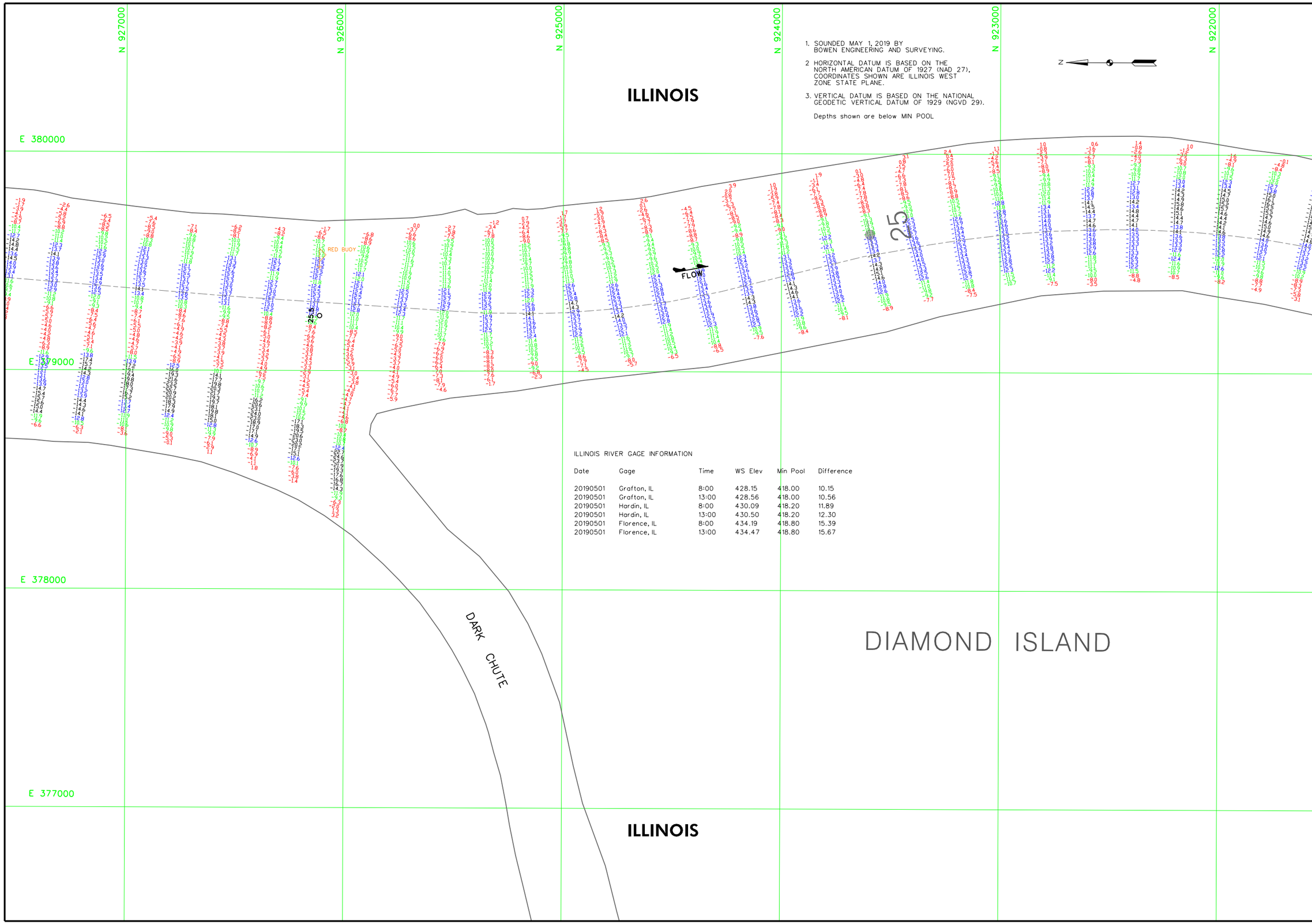
ILLINOIS RIVER

120 METERS
400 FEET
60 0 60 200
60 0 200

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
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 26.9 – 25.8

PLATE NUMBER
51



1. SOUNDED MAY 1, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190501	Grafton, IL	8:00	428.15	418.00	10.15
20190501	Grafton, IL	13:00	428.56	418.00	10.56
20190501	Hardin, IL	8:00	430.09	418.20	11.89
20190501	Hardin, IL	13:00	430.50	418.20	12.30
20190501	Florence, IL	8:00	434.19	418.80	15.39
20190501	Florence, IL	13:00	434.47	418.80	15.67

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
1 MAY 2019	24.36(8:00) 24.71(13:00)	30.09(8:00) 30.50(13:00)	34.19(8:00) 34.47(13:00)	X

Surveyed by: BOWEN ENGINEERING
Survey Date: MAY 1, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: #########
File name: ##########

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

ILLINOIS RIVER

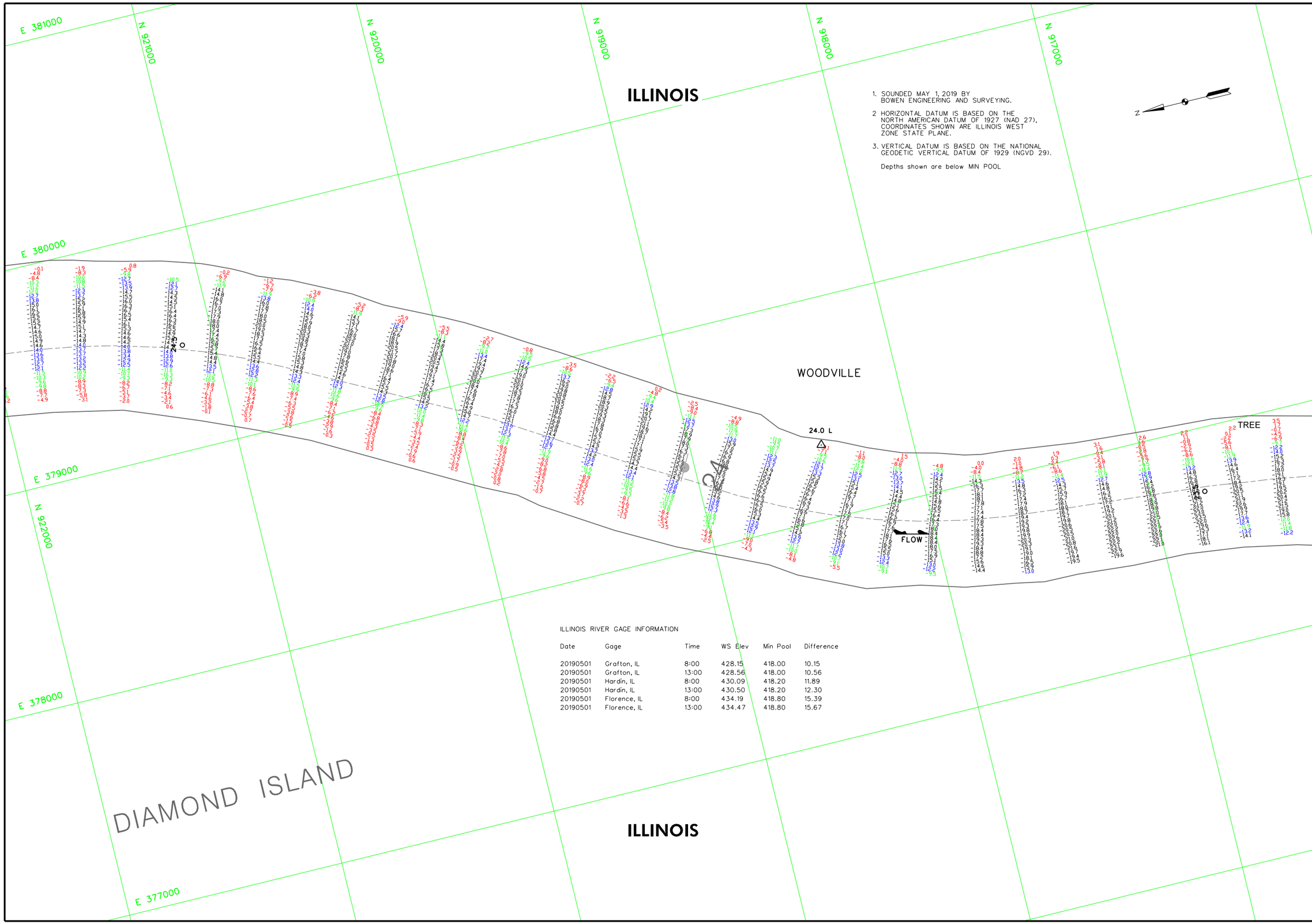
60 200 0 0 60 120 METERS
200 400 FEET

THE INFORMATION DEPICTED 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
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 25.8 – 24.7

PLATE NUMBER

52



1. SOUNDED MAY 1, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190501	Grafton, IL	8:00	428.15	418.00	10.15
20190501	Grafton, IL	13:00	428.56	418.00	10.56
20190501	Hardin, IL	8:00	430.09	418.20	11.89
20190501	Hardin, IL	13:00	430.50	418.20	12.30
20190501	Florence, IL	8:00	434.19	418.80	15.39
20190501	Florence, IL	13:00	434.47	418.80	15.67

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
1 MAY 2019	24.36(8:00) 24.77(13:00)	30.09(8:00) 30.50(13:00)	34.19(8:00) 34.47(13:00)	X

Surveyed by: BOWEN ENGINEERING
Survey Date: MAY 1, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ##########
File name: ##########

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

ILLINOIS RIVER

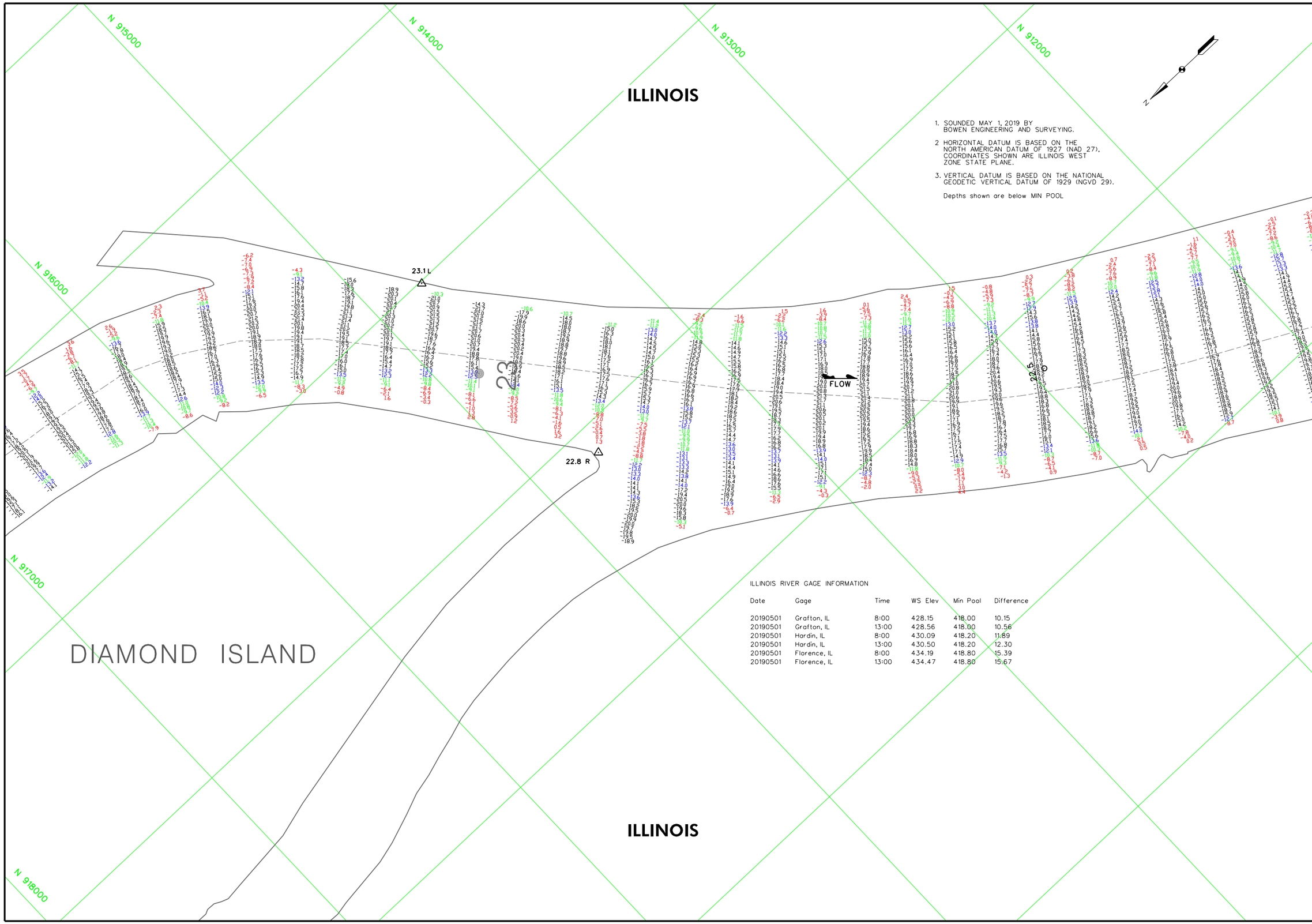
120 METERS 60 0 60 200
400 FEET 200 0 200 600

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
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 24.7 – 23.5

PLATE NUMBER

53



1. SOUNDED MAY 1, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190501	Grafton, IL	8:00	428.15	418.00	10.15
20190501	Grafton, IL	13:00	428.56	418.00	10.56
20190501	Hardin, IL	8:00	430.09	418.20	11.89
20190501	Hardin, IL	13:00	430.50	418.20	12.30
20190501	Florence, IL	8:00	434.19	418.80	15.39
20190501	Florence, IL	13:00	434.47	418.80	15.67

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
1 MAY 2019	24.36(8:00) 24.71(13:00)	30.09(8:00) 30.50(13:00)	34.19(8:00) 34.47(13:00)	X

Surveyed by: BOWEN ENGINEERING
Survey Date: MAY 1, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####DATE,TIME####
File name: ##########################

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

ILLINOIS RIVER

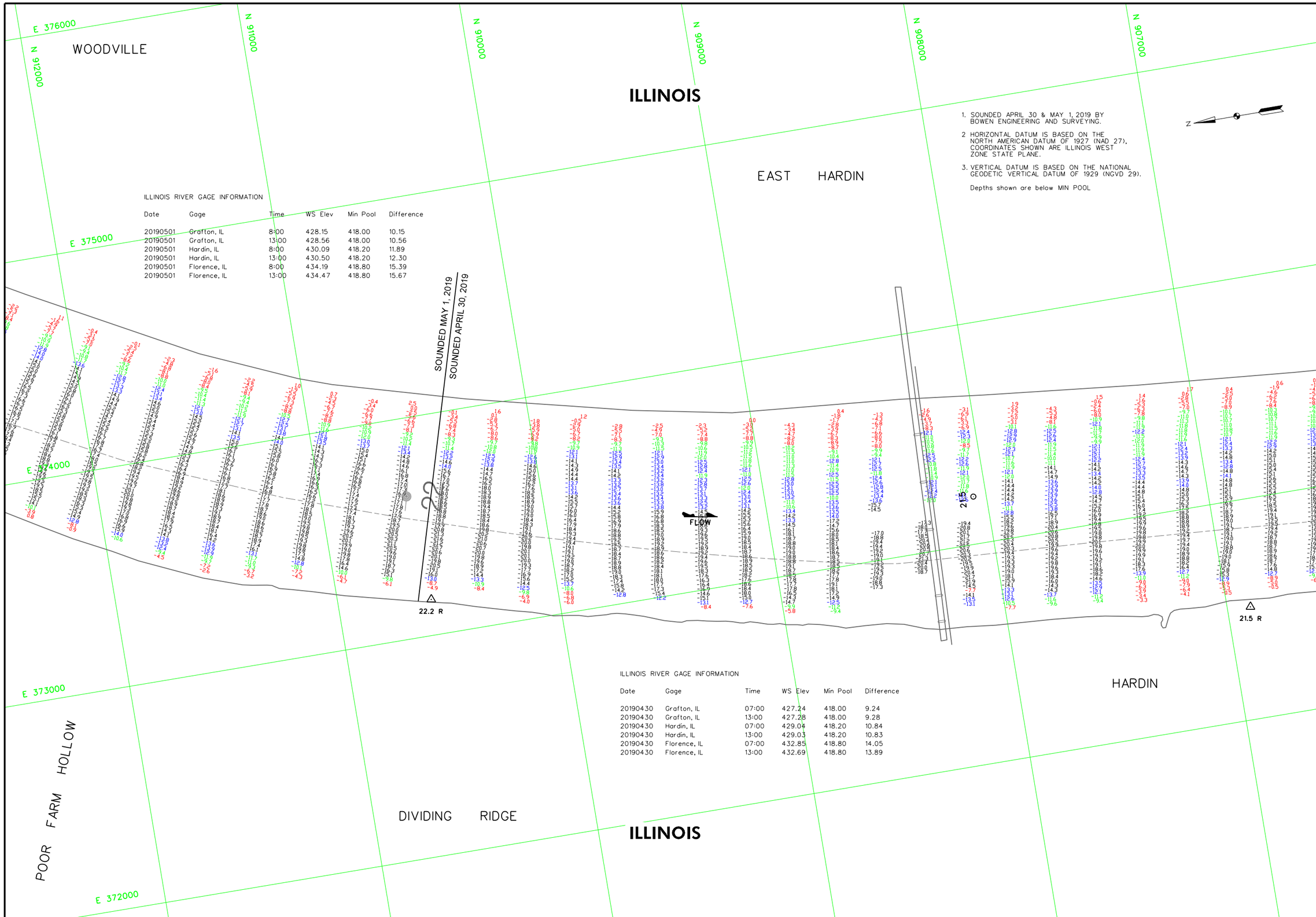
60 0 60 120 METERS
200 0 200 400 FEET

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 23.5 – 22.3

PLATE NUMBER

54



1. SOUNDED APRIL 30 & MAY 1, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190501	Grafton, IL	8:00	428.15	418.00	10.15
20190501	Grafton, IL	13:00	428.56	418.00	10.56
20190501	Hardin, IL	8:00	430.09	418.20	11.89
20190501	Hardin, IL	13:00	430.50	418.20	12.30
20190501	Florence, IL	8:00	434.19	418.80	15.39
20190501	Florence, IL	13:00	434.47	418.80	15.67

ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190430	Grafton, IL	07:00	427.24	418.00	9.24
20190430	Grafton, IL	13:00	427.28	418.00	9.28
20190430	Hardin, IL	07:00	429.04	418.20	10.84
20190430	Hardin, IL	13:00	429.03	418.20	10.83
20190430	Florence, IL	07:00	432.85	418.80	14.05
20190430	Florence, IL	13:00	432.69	418.80	13.89

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
30 APR 2019	23.45(7:00) 23.49(13:00)	29.04(7:00) 29.03(13:00)	32.85(7:00) 32.69(13:00)	x
1 MAY 2019	24.36(8:00) 24.77(13:00)	30.09(8:00) 30.50(13:00)	34.19(8:00) 34.47(13:00)	x

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

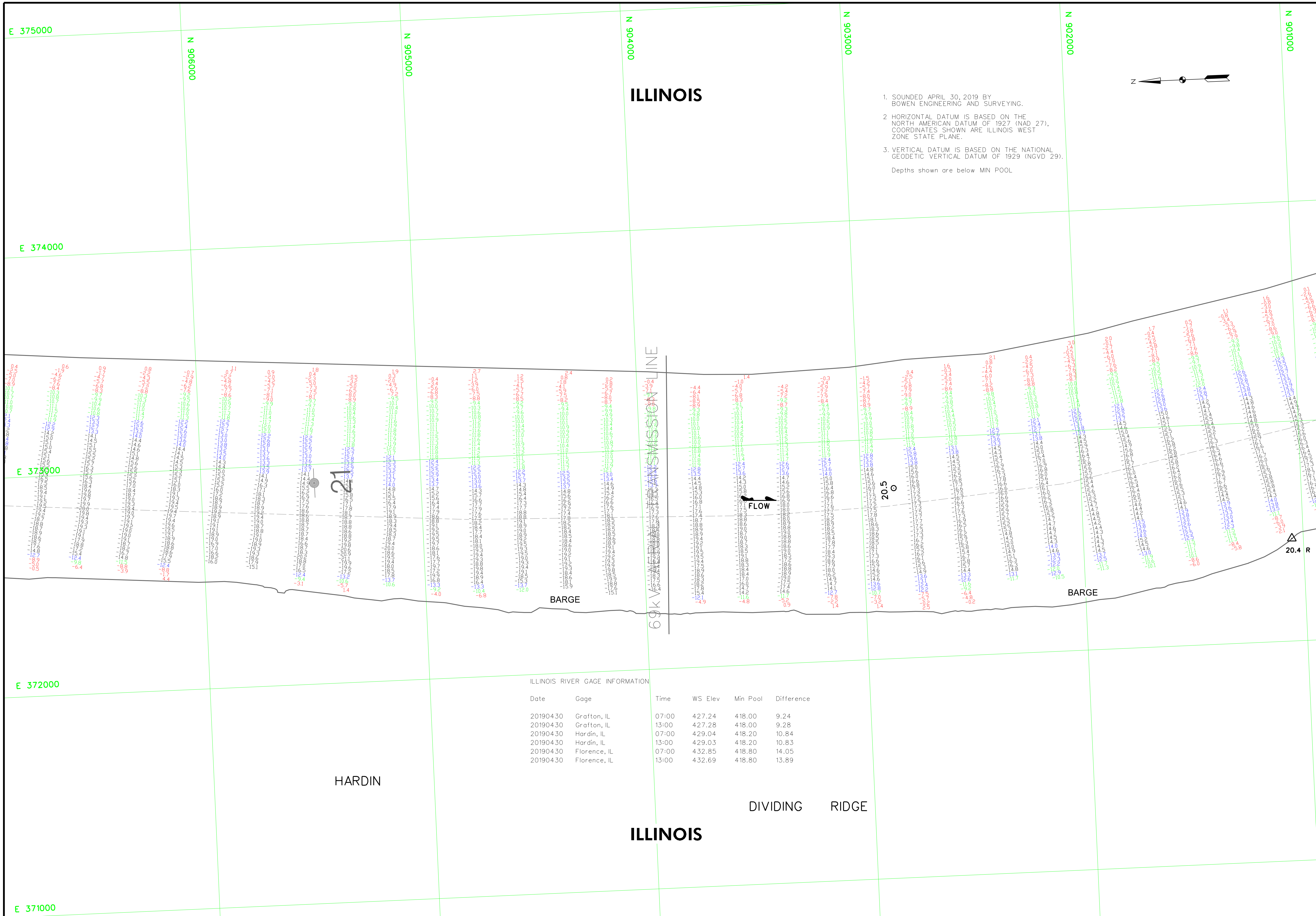
ILLINOIS RIVER

Surveyed by: BOWEN ENGINEERING
Survey Date: APRIL 30 & MAY 1, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####/##/## ##:##:## AM
File name: ##########.DWG

120 METERS 400 FEET
60 0 60 200 0 200
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED. THIS INFORMATION IS ONLY VALID AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 22.3 – 21.2

PLATE NUMBER
55



1. SOUNDED APRIL 30, 2019 BY BOWEN ENGINEERING AND SURVEYING.

2 HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190430	Grafton, IL	07:00	427.24	418.00	9.24
20190430	Grafton, IL	13:00	427.28	418.00	9.28
20190430	Hardin, IL	07:00	429.04	418.20	10.84
20190430	Hardin, IL	13:00	429.03	418.20	10.83
20190430	Florence, IL	07:00	432.85	418.80	14.05
20190430	Florence, IL	13:00	432.69	418.80	13.89

US Army Corps of Engineers St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 218.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
30 APR 2019	23.45(7:00) 23.49(13:00)	29.04(7:00) 29.03(13:00)	32.85(7:00) 32.69(13:00)	X

Surveyed by: BOWEN ENGINEERING
Survey Date: APRIL 30, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: $$$$DATE-TIME$$$$
File name: $$$DESIGN$FILE$$SPECIFICATION$$$

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

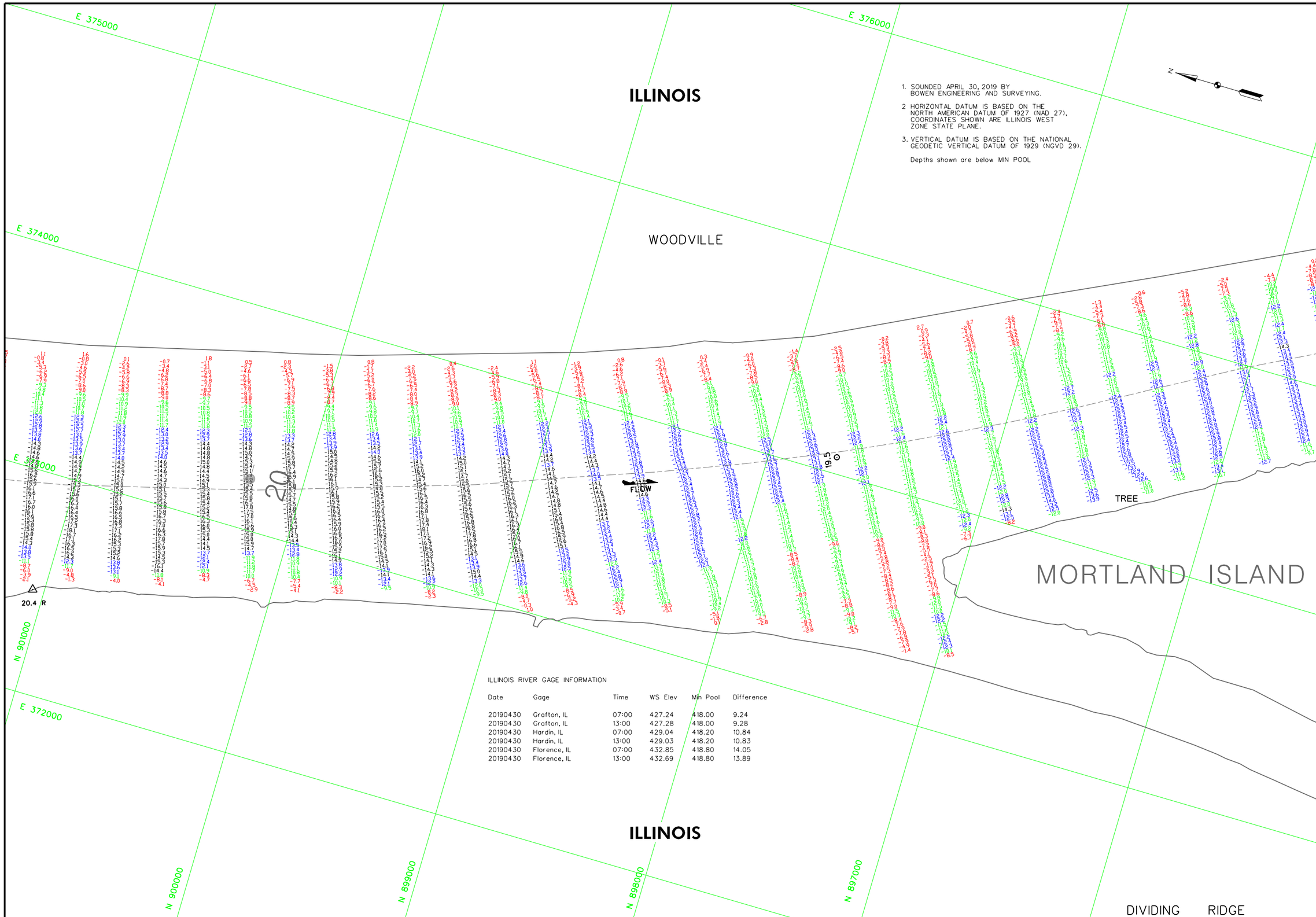
ILLINOIS RIVER

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER - MILES 80 TO 0
RIVER MILES 21.2 - 20.2

PLATE NUMBER
56



1. SOUNDED APRIL 30, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190430	Grafton, IL	07:00	427.24	418.00	9.24
20190430	Grafton, IL	13:00	427.28	418.00	9.28
20190430	Hardin, IL	07:00	429.04	418.20	10.84
20190430	Hardin, IL	13:00	429.03	418.20	10.83
20190430	Florence, IL	07:00	432.85	418.80	14.05
20190430	Florence, IL	13:00	432.69	418.80	13.89

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
30 APR 2019	23.45(7:00) 23.49(13:00)	29.04(7:00) 29.03(13:00)	32.85(7:00) 32.69(13:00)	X

Survey Date: APRIL 30, 2019
Surveyed by: BOWEN ENGINEERING
Reviewed by: X
Drawn by: X
Ckd by: X
SUBMITTED: X
APPROVED: X
Plot date: 99999JULYTH,YR9999
File name: 99999CHAPN-FLEXPRESSPLACTION.DWG

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

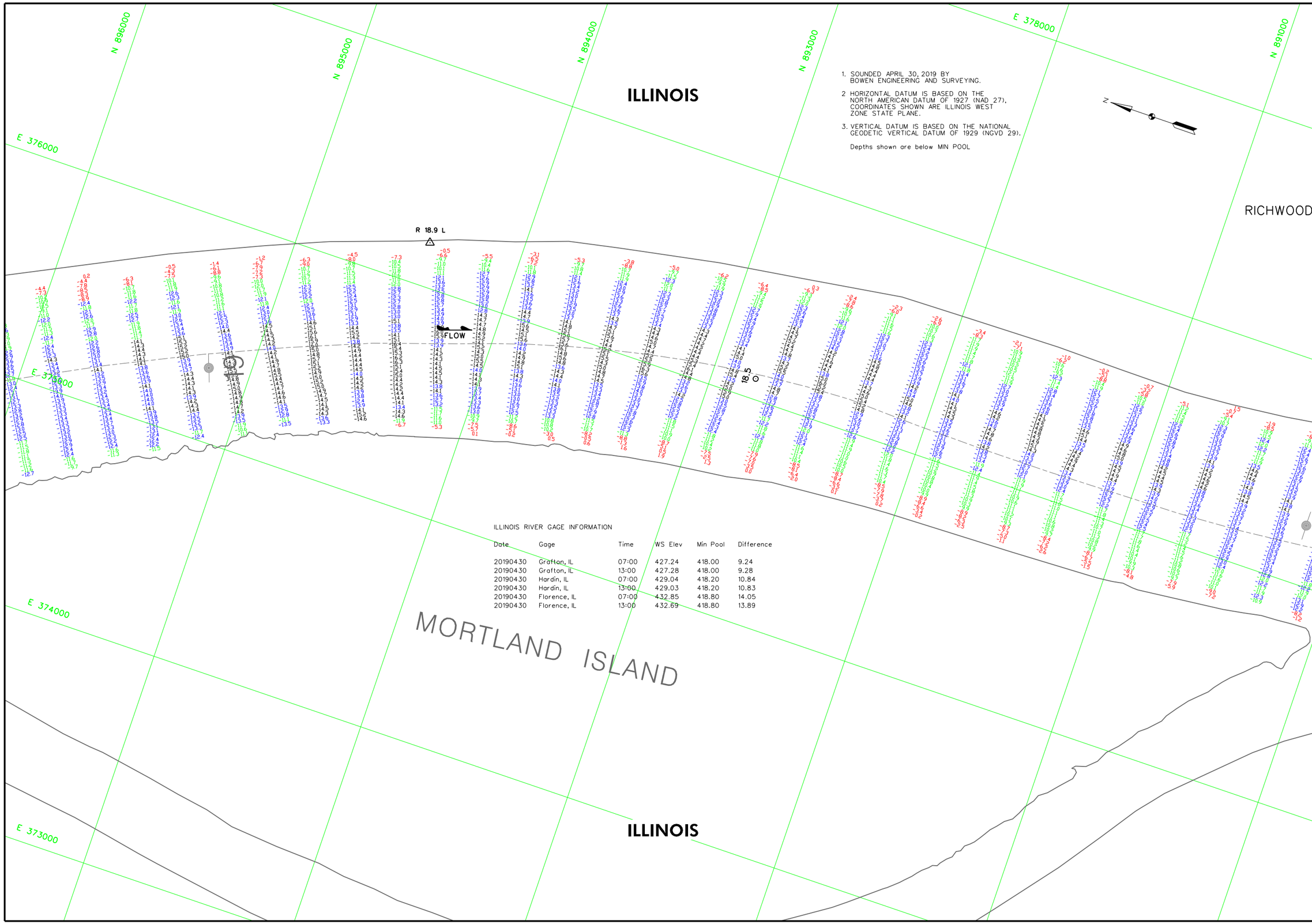
ILLINOIS RIVER

120 METERS
400 FEET
60 0 60 200
200 0 200 600

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 20.2 – 19.1

PLATE NUMBER
57



1. SOUNDED APRIL 30, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190430	Grafton, IL	07:00	427.24	418.00	9.24
20190430	Grafton, IL	13:00	427.28	418.00	9.28
20190430	Hardin, IL	07:00	429.04	418.20	10.84
20190430	Hardin, IL	13:00	429.03	418.20	10.83
20190430	Florence, IL	07:00	432.85	418.80	14.05
20190430	Florence, IL	13:00	432.69	418.80	13.89

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 218.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
30 APR 2019	23.45(7:00) 23.49(13:00)	29.04(7:00) 29.03(13:00)	32.85(7:00) 32.69(13:00)	X

Surveyed by: BOWEN ENGINEERING
Survey Date: APRIL 30, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: #########
File name: R:\#########\#########\#########.DWG

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

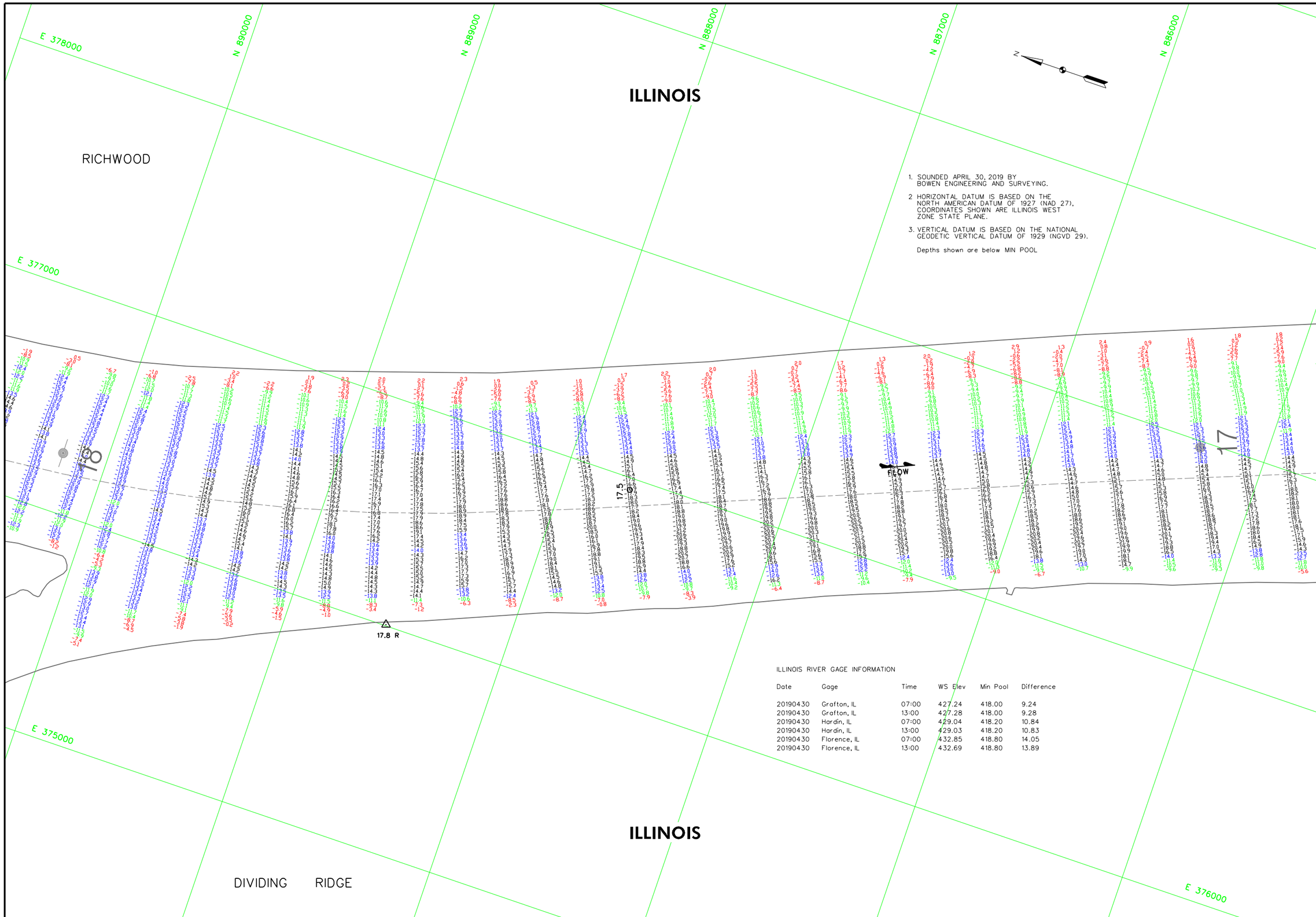
ILLINOIS RIVER

120 METERS
400 FEET
60 0 60 200
0 200

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 19.1 – 18.0

PLATE NUMBER
58



1. SOUNDED APRIL 30, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190430	Grafton, IL	07:00	427.24	418.00	9.24
20190430	Grafton, IL	13:00	427.28	418.00	9.28
20190430	Hardin, IL	07:00	429.04	418.20	10.84
20190430	Hardin, IL	13:00	429.03	418.20	10.83
20190430	Florence, IL	07:00	432.85	418.80	14.05
20190430	Florence, IL	13:00	432.69	418.80	13.89

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 218.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
30 APR 2019	23.45(7:00) 23.49(13:00)	29.04(7:00) 29.03(13:00)	32.85(7:00) 32.69(13:00)	X

Surveyed by: BOWEN ENGINEERING
Survey Date: APRIL 30, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: $$$$$$$$$$ TIME $$$$
File name: $$$$$$$$$$ DATE $$$$$$$$$$ FILENAME $$$$$$$$$$

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

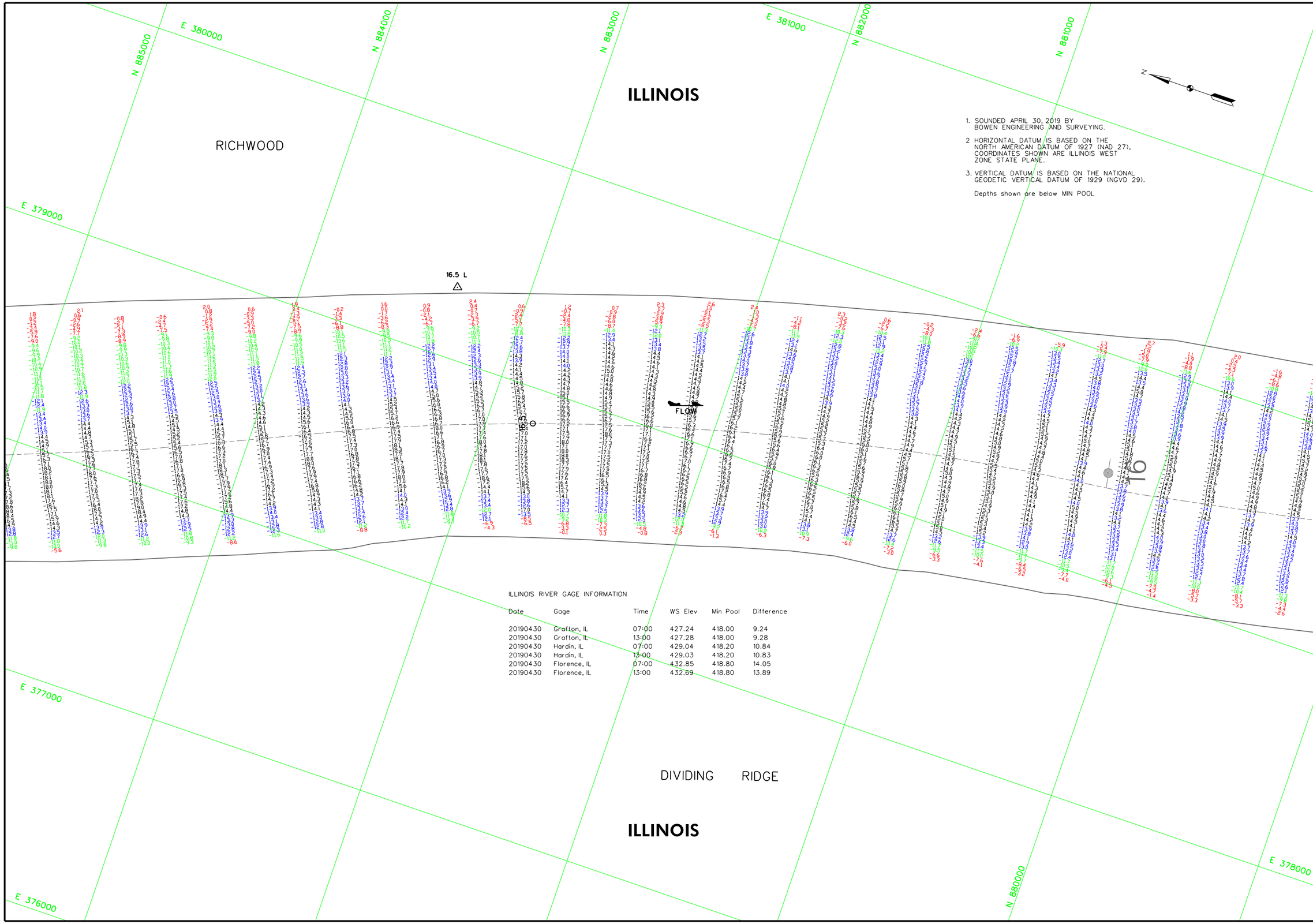
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200 600

THE INFORMATION REPORTED IN THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED. THE DATA MAY NOT BE RELIABLE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 18.0 – 16.9

PLATE NUMBER
59



1. SOUNDED APRIL 30, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190430	Grafton, IL	07:00	427.24	418.00	9.24
20190430	Grafton, IL	13:00	427.28	418.00	9.28
20190430	Hardin, IL	07:00	429.04	418.20	10.84
20190430	Hardin, IL	13:00	429.03	418.20	10.83
20190430	Florence, IL	07:00	432.85	418.80	14.05
20190430	Florence, IL	13:00	432.69	418.80	13.89

US Army Corps of Engineers
St. Louis District

GAGE RECORD				
	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
30 APR 2019	23.45(7:00) 23.49(13:00)	29.04(7:00) 29.03(13:00)	32.85(7:00) 32.69(13:00)	X

Surveyed by: BOWEN ENGINEERING
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Survey Date: APRIL 30, 2019
Plot date: 8/8/2021/AT: 17:46:23:88
File name: W:\PROJECTS\ILRBP\PLATES\ILRBP_PLATES.DGN

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

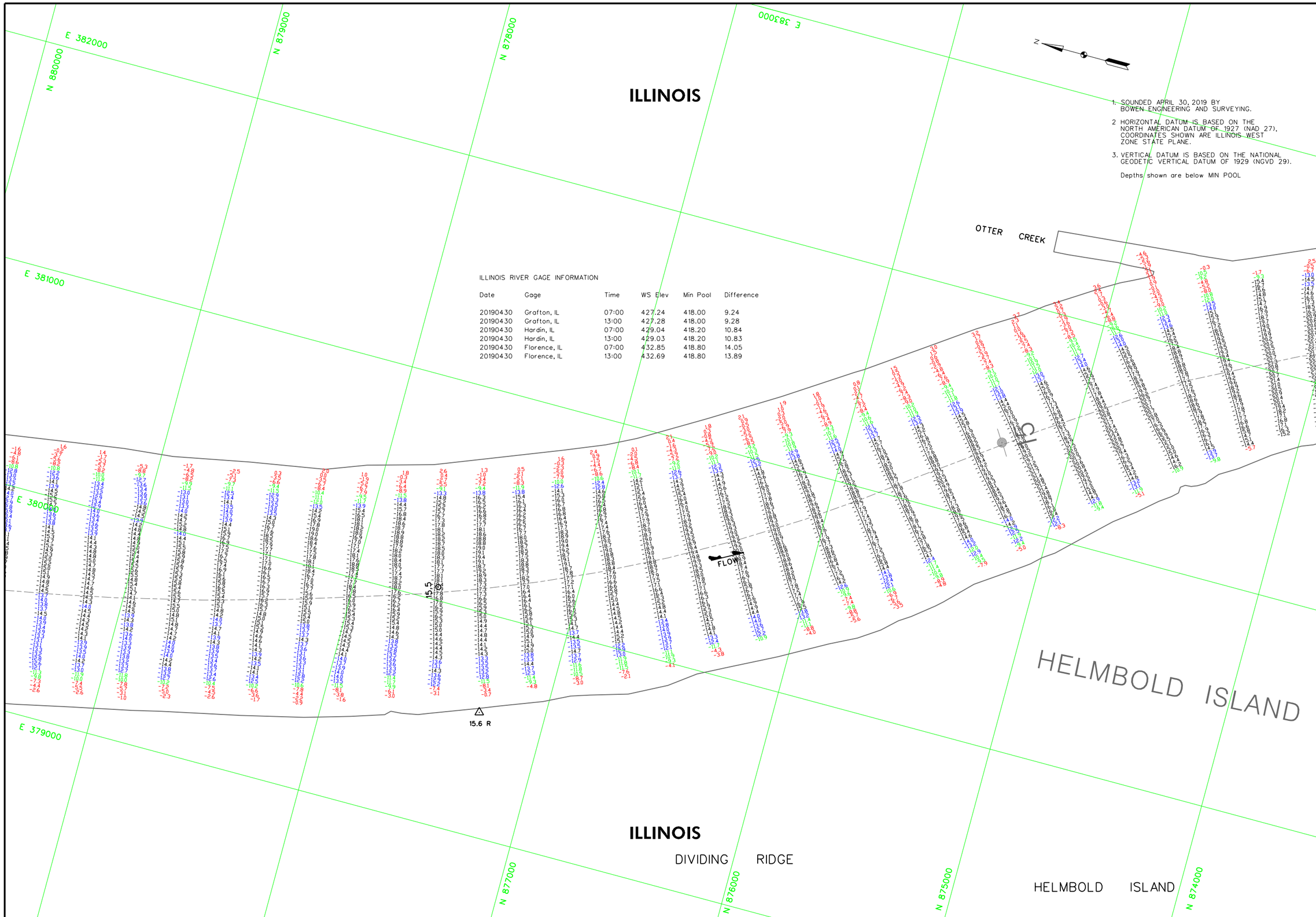
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200 600

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYING AND MAPPING ACCOMPLISHED AT THE TIME SHOWN AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 16.9 – 15.9

PLATE NUMBER
60



1. SOUNDED APRIL 30, 2019 BY BOWEN ENGINEERING AND SURVEYING.

2 HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190430	Grafton, IL	07:00	427.24	418.00	9.24
20190430	Grafton, IL	13:00	427.28	418.00	9.28
20190430	Hardin, IL	07:00	429.04	418.20	10.84
20190430	Hardin, IL	13:00	429.03	418.20	10.83
20190430	Florence, IL	07:00	432.85	418.80	14.05
20190430	Florence, IL	13:00	432.69	418.80	13.89

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
30 APR 2019	23.45(7:00) 23.49(13:00)	29.04(7:00) 29.03(13:00)	32.85(7:00) 32.69(13:00)	X

Survey Date: APRIL 30, 2019

Surveyed by: BOWEN ENGINEERING

Reviewed by: X

Drawn by: X

Ckd by: X

SUBMITTED: X

APPROVED: X

Plot date: ####/##/## TIME:####

File name: ##########.DWG

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

ILLINOIS RIVER

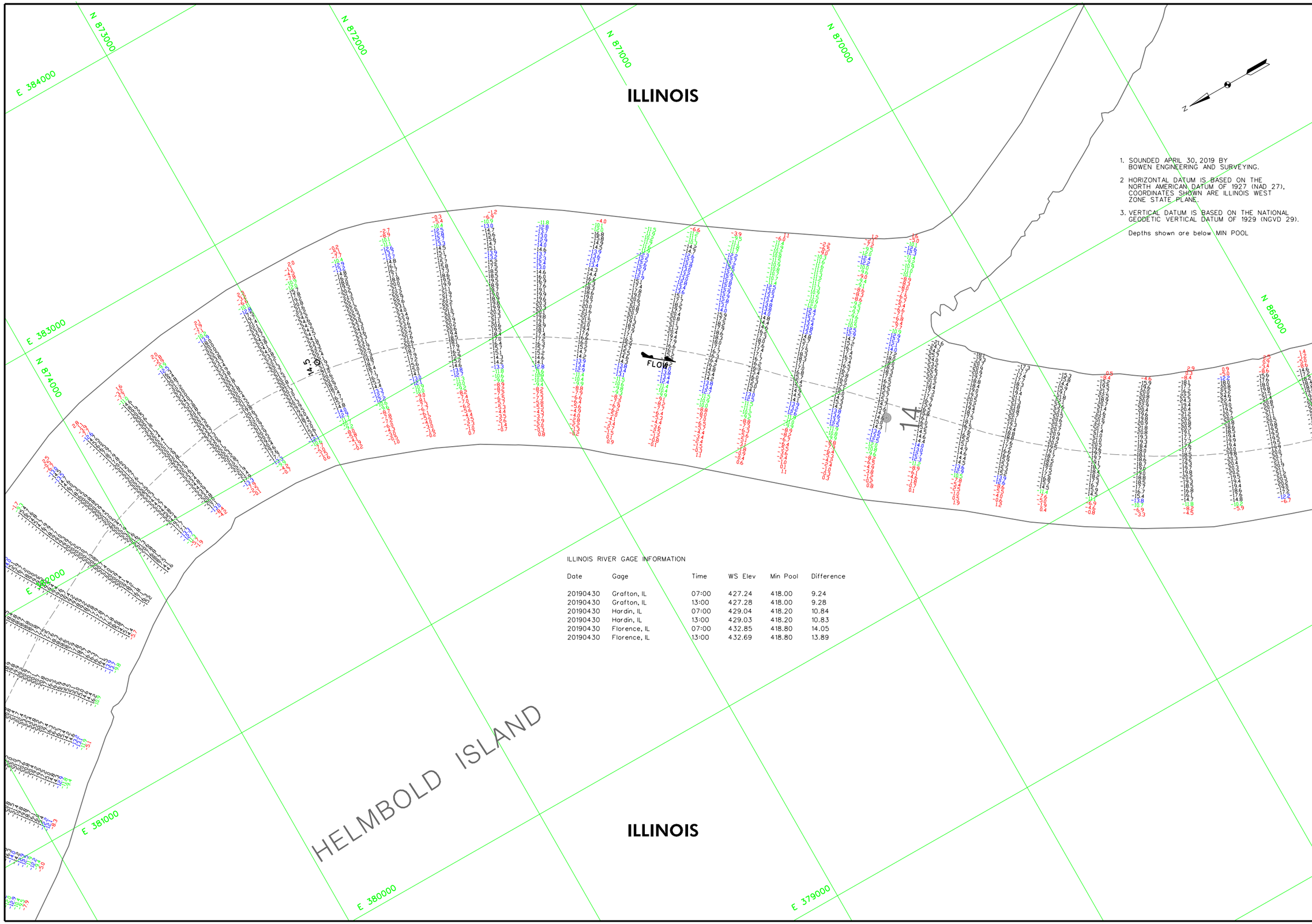
120 METERS 60 0 60 120
400 FEET 200 0 200 400

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 15.9 – 14.8

PLATE NUMBER

61



1. SOUNDED APRIL 30, 2019 BY BOWEN ENGINEERING AND SURVEYING.

2 HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190430	Grafton, IL	07:00	427.24	418.00	9.24
20190430	Grafton, IL	13:00	427.28	418.00	9.28
20190430	Hardin, IL	07:00	429.04	418.20	10.84
20190430	Hardin, IL	13:00	429.03	418.20	10.83
20190430	Florence, IL	07:00	432.85	418.80	14.05
20190430	Florence, IL	13:00	432.69	418.80	13.89

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
30 APR 2019	23.45(7:00) 23.49(13:00)	29.04(7:00) 29.03(13:00)	32.85(7:00) 32.69(13:00)	X

Surveyed by: BOWEN ENGINEERING
Survey Date: APRIL 30, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####DATE,TIME####
File name: ####FSHDATA\BATPLOT\PLATE\

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

ILLINOIS RIVER

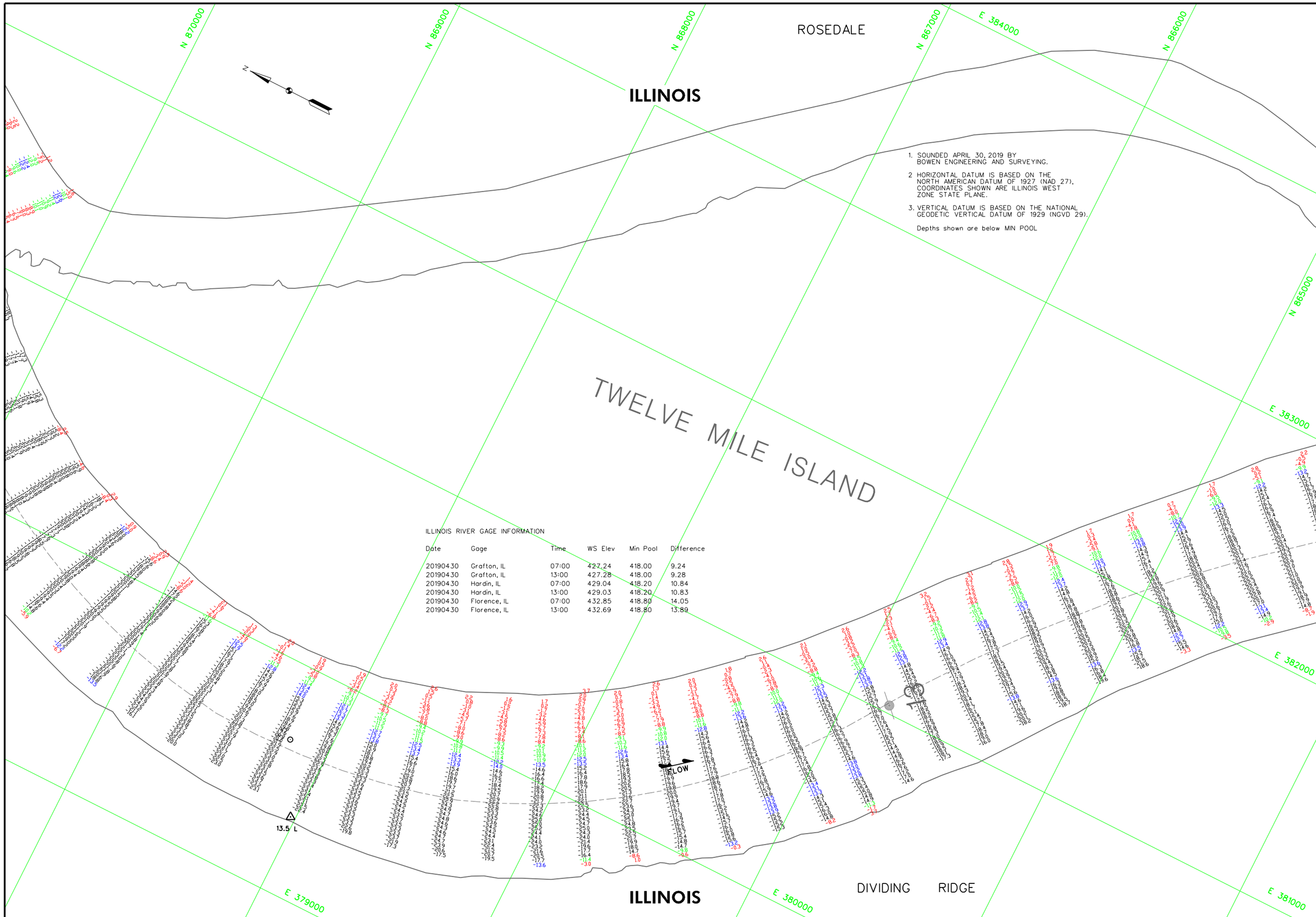
120 METERS 400 FEET
60 0 60 200 0 200
60 200

THE INFORMATION DEPICTED 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
ILLINOIS RIVER - MILES 80 TO 0
RIVER MILES 14.8 - 13.7

PLATE NUMBER

62



1. SOUNDED APRIL 30, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190430	Grafton, IL	07:00	427.24	418.00	9.24
20190430	Grafton, IL	13:00	427.28	418.00	9.28
20190430	Hardin, IL	07:00	429.04	418.20	10.84
20190430	Hardin, IL	13:00	429.03	418.20	10.83
20190430	Florence, IL	07:00	432.85	418.80	14.05
20190430	Florence, IL	13:00	432.69	418.80	13.89

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
30 APR 2019	23.45(7:00) 23.49(13:00)	29.04(7:00) 29.03(13:00)	32.85(7:00) 32.69(13:00)	X

Survey Date: APRIL 30, 2019

Surveyed by: BOWEN ENGINEERING
Drawn by: X
Chk'd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####/##/## ##:##:##
File name: ##########################

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

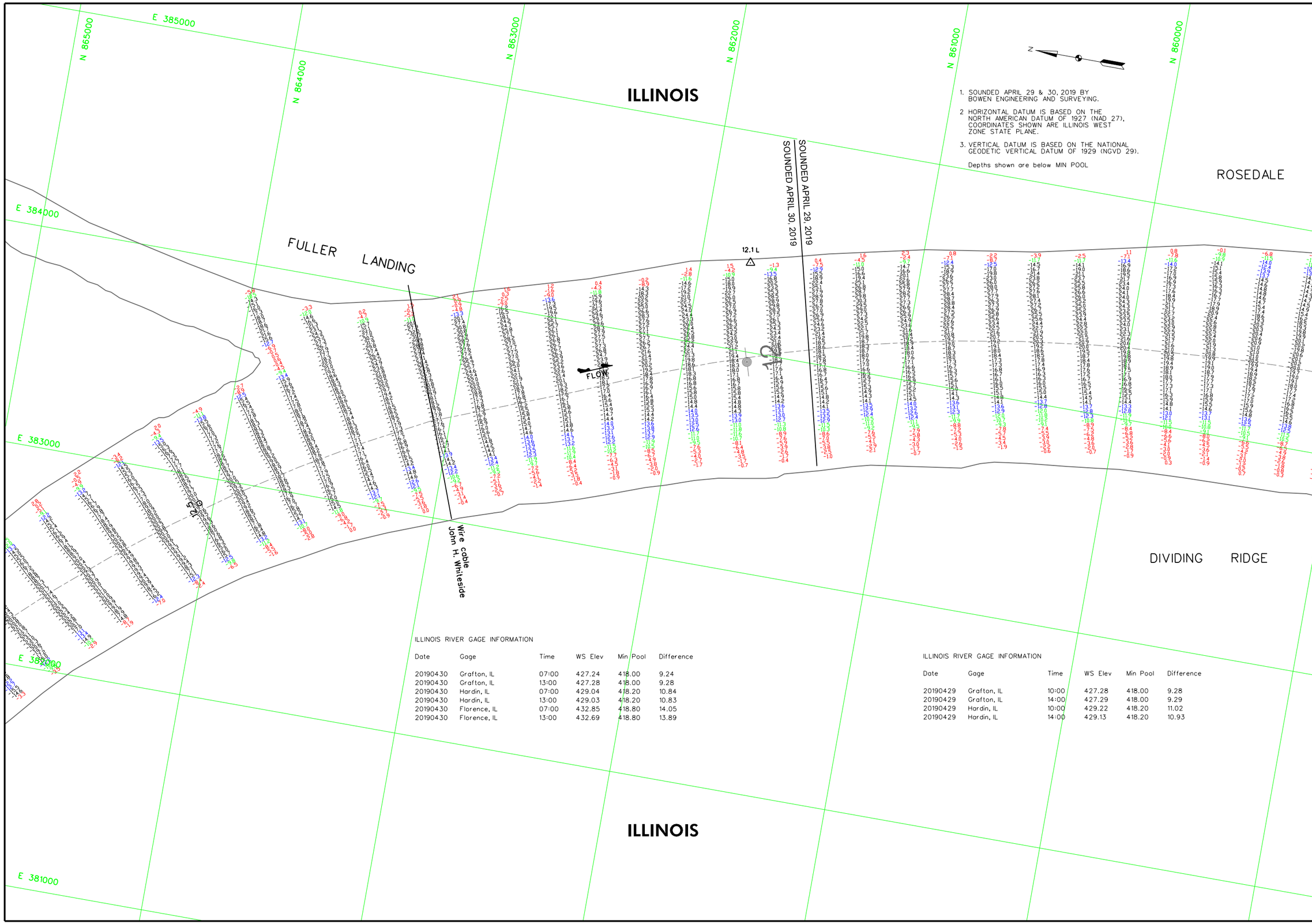
ILLINOIS RIVER

120 METERS 60 0 400 FEET 200 0 60 200

THE INFORMATION REPORTED IN THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED. THE DATA MAY BE INCORRECT AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 13.7 – 12.6

PLATE NUMBER
63



1. SOUNDED APRIL 29 & 30, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190430	Grafton, IL	07:00	427.24	418.00	9.24
20190430	Grafton, IL	13:00	427.28	418.00	9.28
20190430	Hardin, IL	07:00	429.04	418.20	10.84
20190430	Hardin, IL	13:00	429.03	418.20	10.83
20190430	Florence, IL	07:00	432.85	418.80	14.05
20190430	Florence, IL	13:00	432.69	418.80	13.89

ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190429	Grafton, IL	10:00	427.28	418.00	9.28
20190429	Grafton, IL	14:00	427.29	418.00	9.29
20190429	Hardin, IL	10:00	429.22	418.20	11.02
20190429	Hardin, IL	14:00	429.13	418.20	10.93

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
29 APR 2019	23.49(10:00)	23.50(14:00)	29.22(10:00)	29.31(14:00)	x	x
30 APR 2019	23.45(7:00)	23.49(13:00)	29.04(7:00)	29.03(13:00)	32.85(7:00)	32.69(13:00)	x	x

Surveyed by: BOWEN ENGINEERING
Survey Date: APRIL 29 & 30, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####DATE,TIME####
File name: ####DRIVE:\PATH\FILENAME\

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

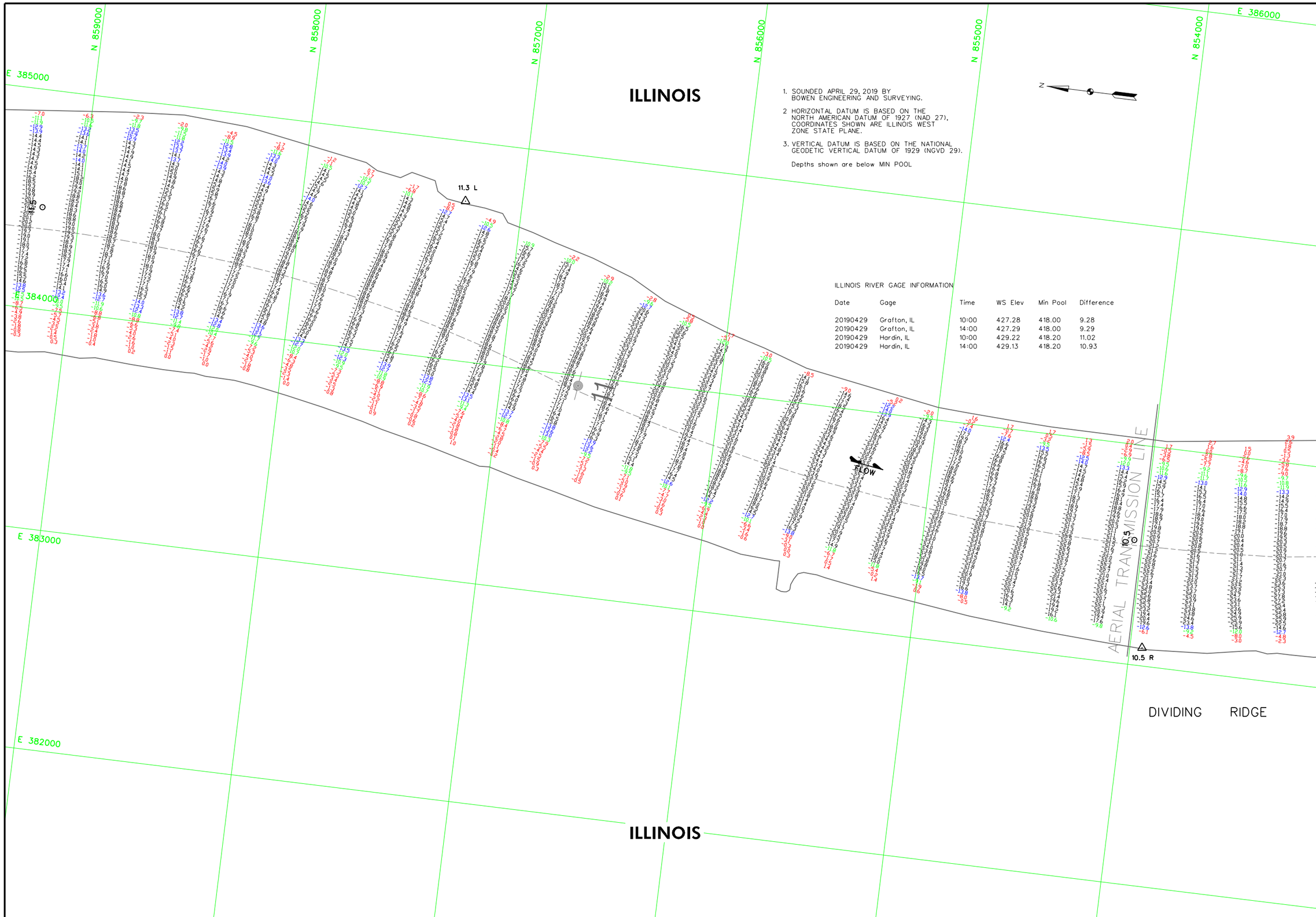
ILLINOIS RIVER

120 METERS 400 FEET
60 200
0 0
60 200

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 12.6 – 11.6

PLATE NUMBER
64



US Army Corps of Engineers
St. Louis District

GAGE RECORD			
	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
29 APR 2019	23:49:10:001 23.50:14-001	29.22(10-00) 29.13(14-00)	X	X

Survey Date: APRIL 29, 2019
Surveyed by: BOWEN ENGINEERING
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
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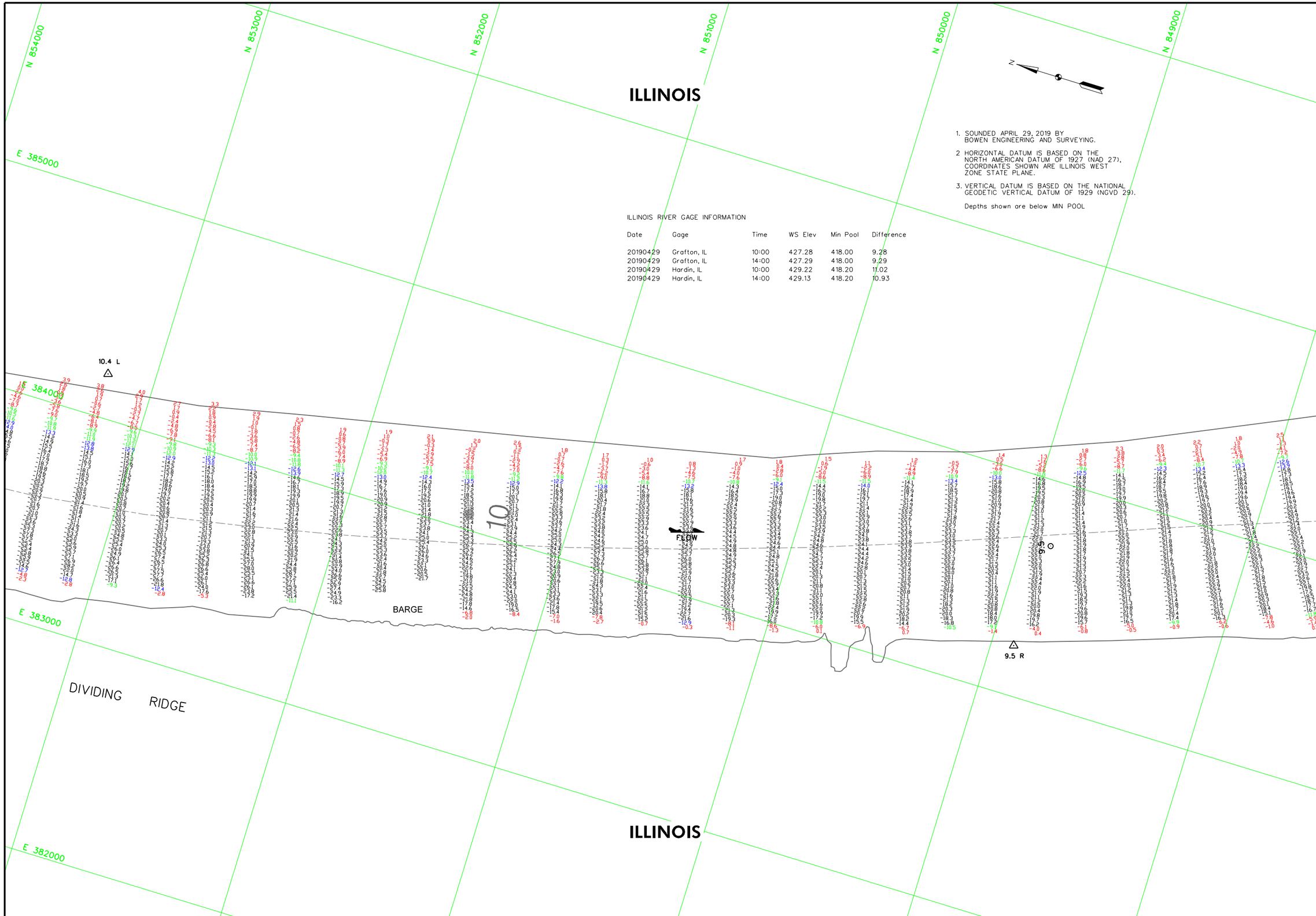
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER

120 METERS 60 0 200 400 FEET
THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND MAY NOT BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 11.6 – 10.4

PLATE NUMBER
65



1. SOUNDED APRIL 29, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190429	Grafton, IL	10:00	427.28	418.00	9.28
20190429	Grafton, IL	14:00	427.29	418.00	9.29
20190429	Hardin, IL	10:00	429.22	418.20	11.02
20190429	Hardin, IL	14:00	429.13	418.20	10.93

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
29 APR 2019	23.49(10:00) 23.50(14:00)	29.22(10:00) 29.13(14:00)	X	X

Surveyed by: BOWEN ENGINEERING
Drawn by: X
Ckd by: X
SUBMITTED: X
Survey Date: APRIL 29, 2019
Reviewed by: X
APPROVED: X
Plot date: ####DATE TIME####
File name: R:\#####\CADD\#####\DGN\#####

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

ILLINOIS RIVER

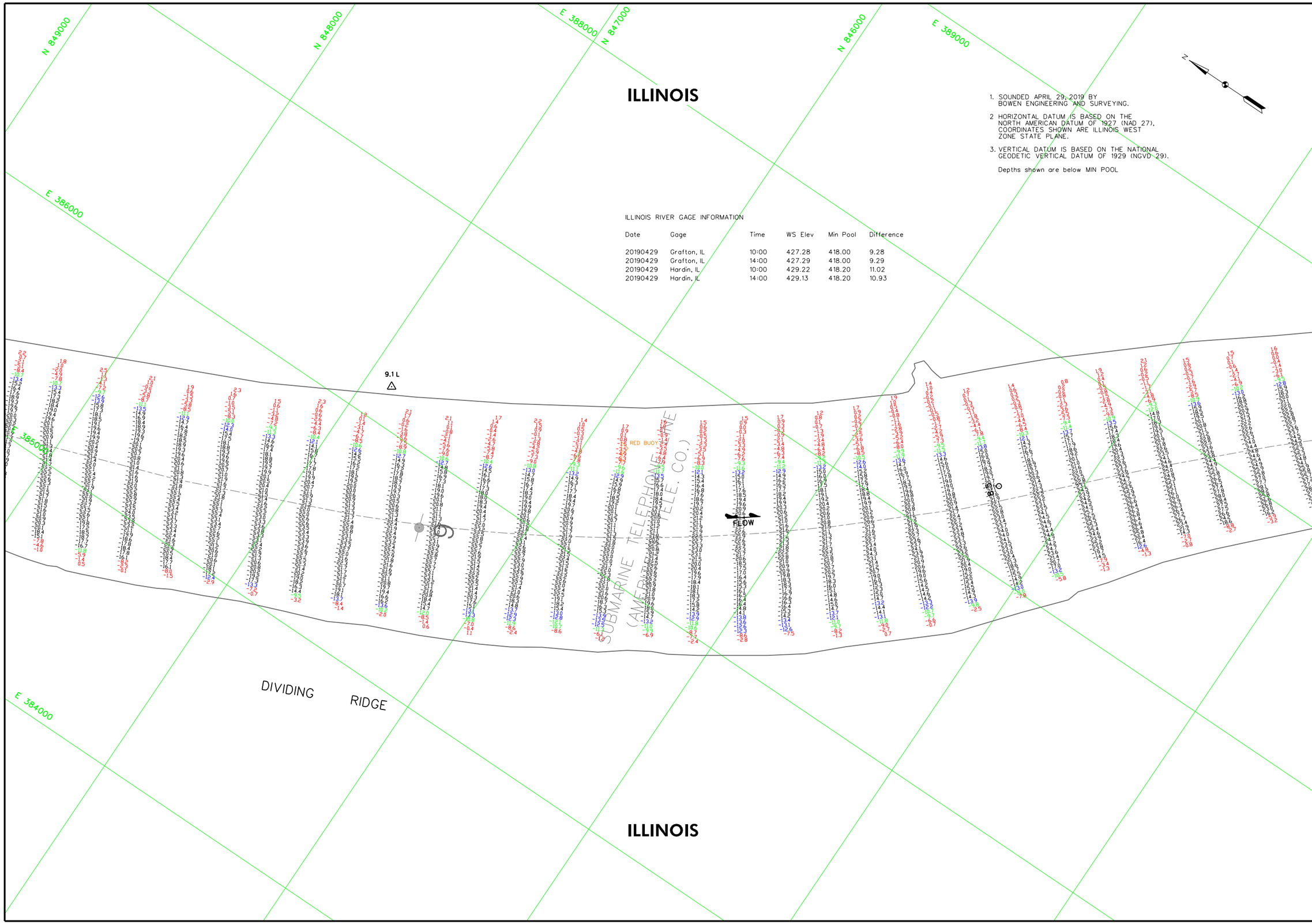
HYDROGRAPHIC SURVEYS
ILLINOIS RIVER - MILES 80 TO 0
RIVER MILES 10.4 - 9.3

120 METERS 60 0 60 200
400 FEET 200 0 200 600

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

PLATE NUMBER

66



1. SOUNDED APRIL 29, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190429	Grafton, IL	10:00	427.28	418.00	9.28
20190429	Grafton, IL	14:00	427.29	418.00	9.29
20190429	Hardin, IL	10:00	429.22	418.20	11.02
20190429	Hardin, IL	14:00	429.13	418.20	10.93

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
29 APR 2019	23.49(10:00) 23.50(14:00)	29.22(10:00) 29.13(14:00)	X	X

Surveyed by: BOWEN ENGINEERING
Survey Date: APRIL 29, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####/##/## ##:##
File name: ###\###\###\###\###\###\###.dgn

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

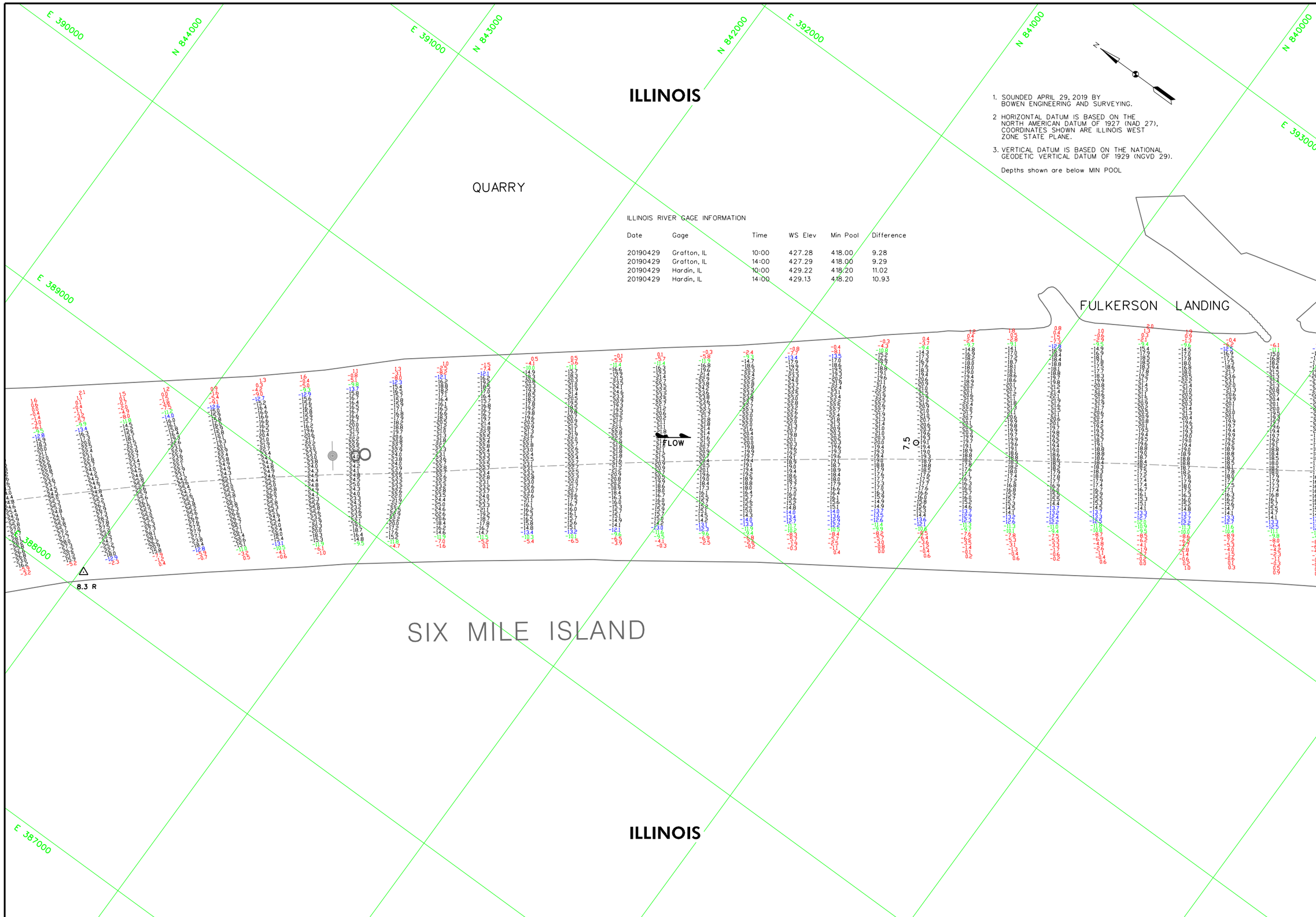
ILLINOIS RIVER

120 METERS 60 0 60 120
200 0 200 400 FEET

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 9.3 – 8.3

PLATE NUMBER
67



1. SOUNDED APRIL 29, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190429	Grafton, IL	10:00	427.28	418.00	9.28
20190429	Grafton, IL	14:00	427.29	418.00	9.29
20190429	Hardin, IL	10:00	429.22	418.20	11.02
20190429	Hardin, IL	14:00	429.13	418.20	10.93

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
29 APR 2019	23.49:10:001	23.50:14:001	29.22:10:001	29.13:14:001

Surveyed by: BOWEN ENGINEERING
Drawn by: X
Ckd by: X
Survey Date: APRIL 29, 2019
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 8/8/8888 TIME 8888
File name: 8888SOUNDFILE8PROPACKNAME

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

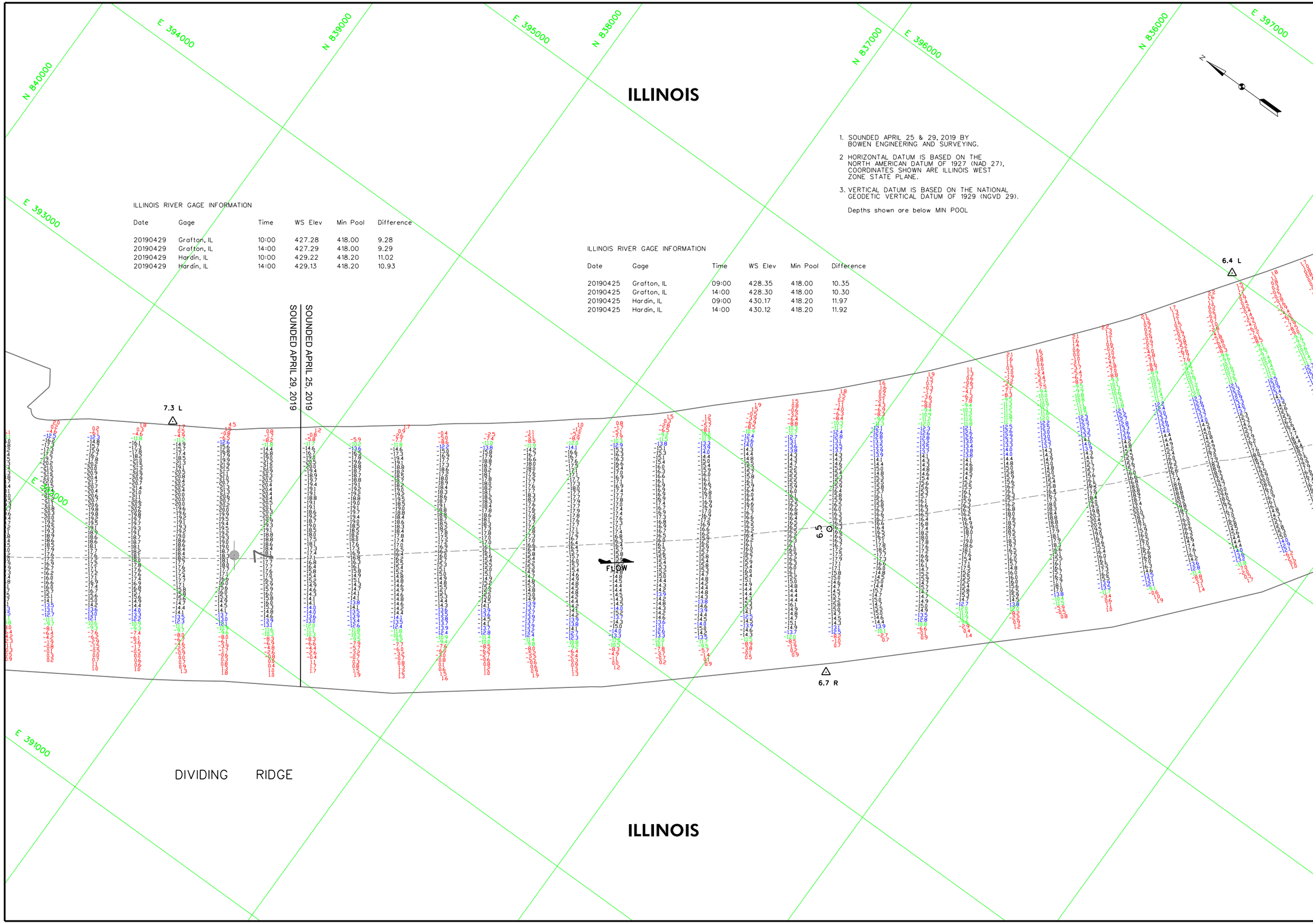
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200 600

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SOUNDINGS OBTAINED BY THE ST. LOUIS DISTRICT, CORPS OF ENGINEERS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 8.3 – 7.2

PLATE NUMBER
68



1. SOUNDED APRIL 25 & 29, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190429	Grafton, IL	10:00	427.28	418.00	9.28
20190429	Grafton, IL	14:00	427.29	418.00	9.29
20190429	Hardin, IL	10:00	429.22	418.20	11.02
20190429	Hardin, IL	14:00	429.13	418.20	10.93

ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190425	Grafton, IL	09:00	428.35	418.00	10.35
20190425	Grafton, IL	14:00	428.30	418.00	10.30
20190425	Hardin, IL	09:00	430.17	418.20	11.97
20190425	Hardin, IL	14:00	430.12	418.20	11.92

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
25 APR 2019	24.56(9:00) 24.51(14:00)	30.17(9:00) 30.12(14:00)	X	X
29 APR 2019	23.49(10:00) 23.50(14:00)	29.22(10:00) 29.13(14:00)	X	X

Surveyed by: BOWEN ENGINEERING
Survey Date: APRIL 25 & 29, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 99999/01/01, TIME:9999
File name: 99999DIGHR1LE99SECAUTOCAD\DH99

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

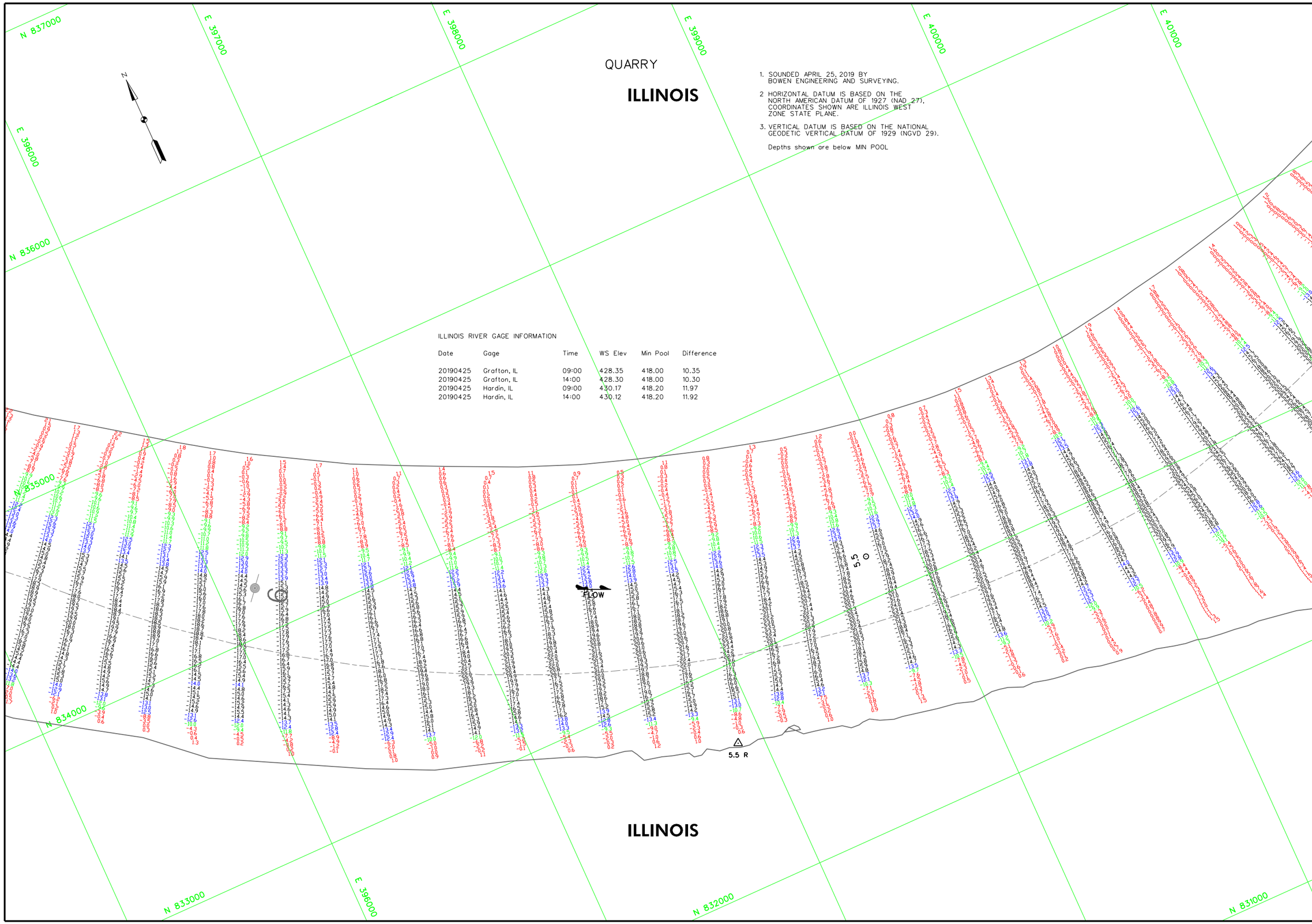
ILLINOIS RIVER

120 METERS 60 0 200 400 FEET

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER - MILES 80 TO 0
RIVER MILES 7.2 - 6.1

PLATE NUMBER
69



1. SOUNDED APRIL 25, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190425	Grafton, IL	09:00	428.35	418.00	10.35
20190425	Grafton, IL	14:00	428.30	418.00	10.30
20190425	Hardin, IL	09:00	430.17	418.20	11.97
20190425	Hardin, IL	14:00	430.12	418.20	11.92

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
25 APR 2019	24.56(9:00) 24.53(14:00)	30.17(9:00) 30.12(14:00)	x	x

Surveyed by: BOWEN ENGINEERING
Survey Date: APRIL 25, 2019
Drawn by: x
Ckd by: x
Reviewed by: x
SUBMITTED: x
APPROVED: x
Plot date: 8888888/LITE/TIME8888
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U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST LOUIS, MISSOURI

ILLINOIS RIVER

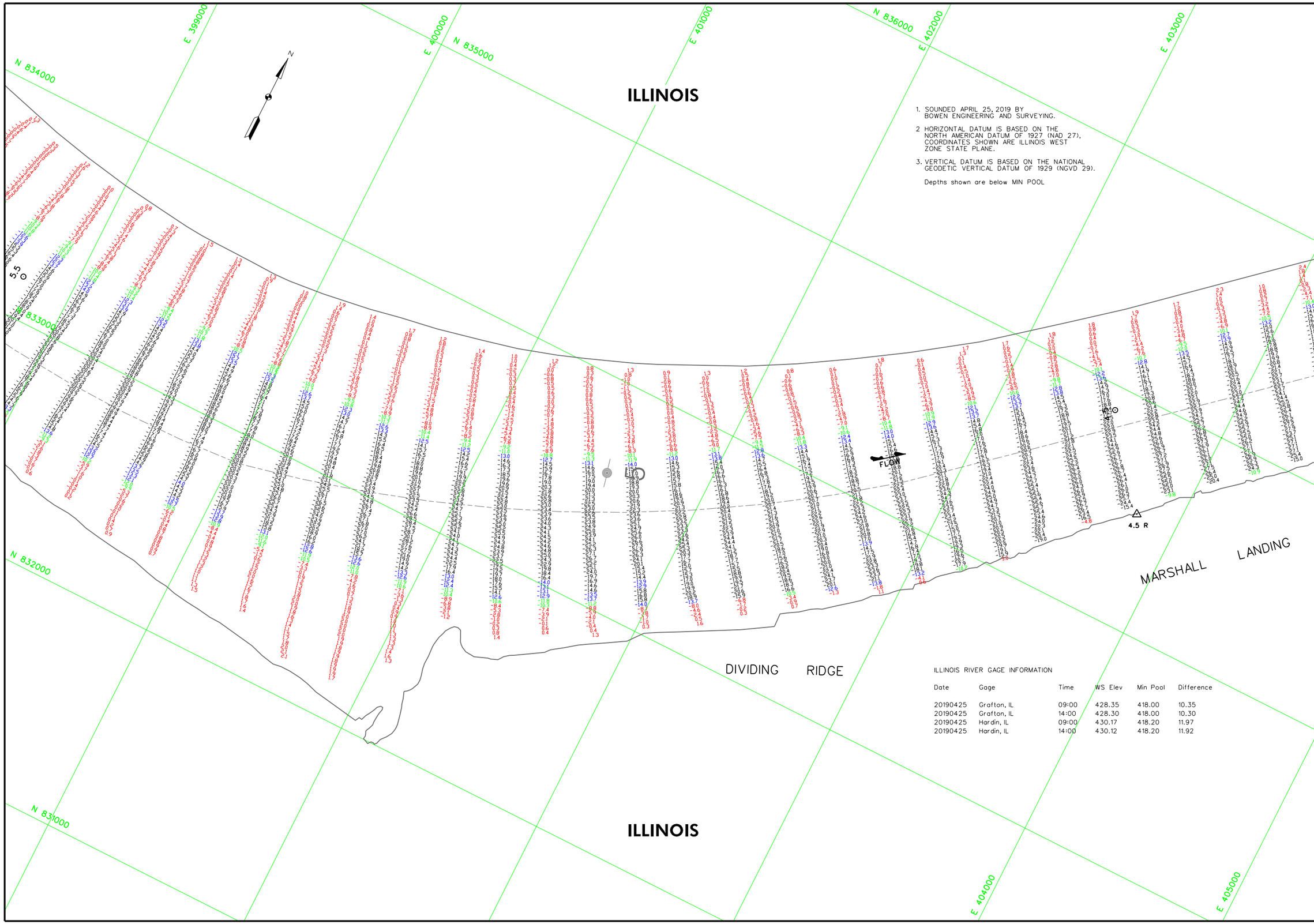
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME AND DATE SHOWN AND IS INDICATIVE OF THE GENERAL CONDITIONS EXISTING AT THAT TIME

60 200 0 0 60 120 METERS
200 400 FEET

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER - MILES 80 TO 0
RIVER MILES 6.1 - 5.3

PLATE NUMBER

70



1. SOUNDED APRIL 25, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190425	Grafton, IL	09:00	428.35	418.00	10.35
20190425	Grafton, IL	14:00	428.30	418.00	10.30
20190425	Hardin, IL	09:00	430.17	418.20	11.97
20190425	Hardin, IL	14:00	430.12	418.20	11.92

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 218.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
25 APR 2019	24.56(9:00) 24.51(14:00)	30.17(9:00) 30.12(14:00)	X	X

Surveyed by: BOWEN ENGINEERING
Survey Date: APRIL 25, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 8/8/2019 PM, 7/16/2019
File name: R:\8\9\5\0\GRP\LIBERTY\CAD\CN\B8

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

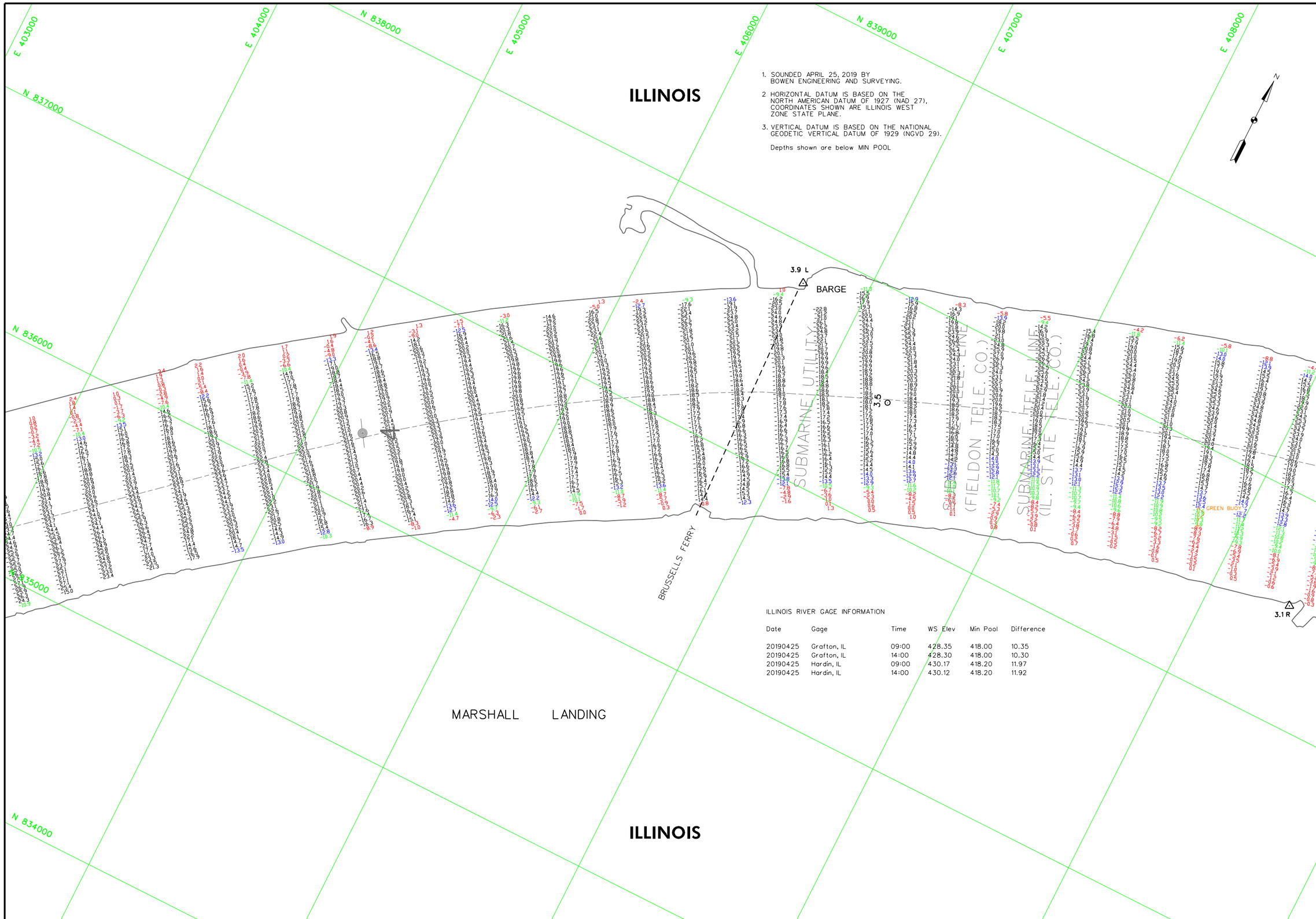
ILLINOIS RIVER

120 METERS 0 60 200 400 FEET

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 5.3 – 4.4

PLATE NUMBER
71



1. SOUNDED APRIL 25, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190425	Grafton, IL	09:00	428.35	418.00	10.35
20190425	Grafton, IL	14:00	428.30	418.00	10.30
20190425	Hardin, IL	09:00	430.17	418.20	11.97
20190425	Hardin, IL	14:00	430.12	418.20	11.92

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
25 APR 2019	24.56(9:00) 24.51(14:00)	30.17(9:00) 30.12(14:00)	X	X

Surveyed by: BOWEN ENGINEERING
Survey Date: APRIL 25, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####DATE: TIME####
File name: ####FIGURE FILENAME FROM CAD####

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

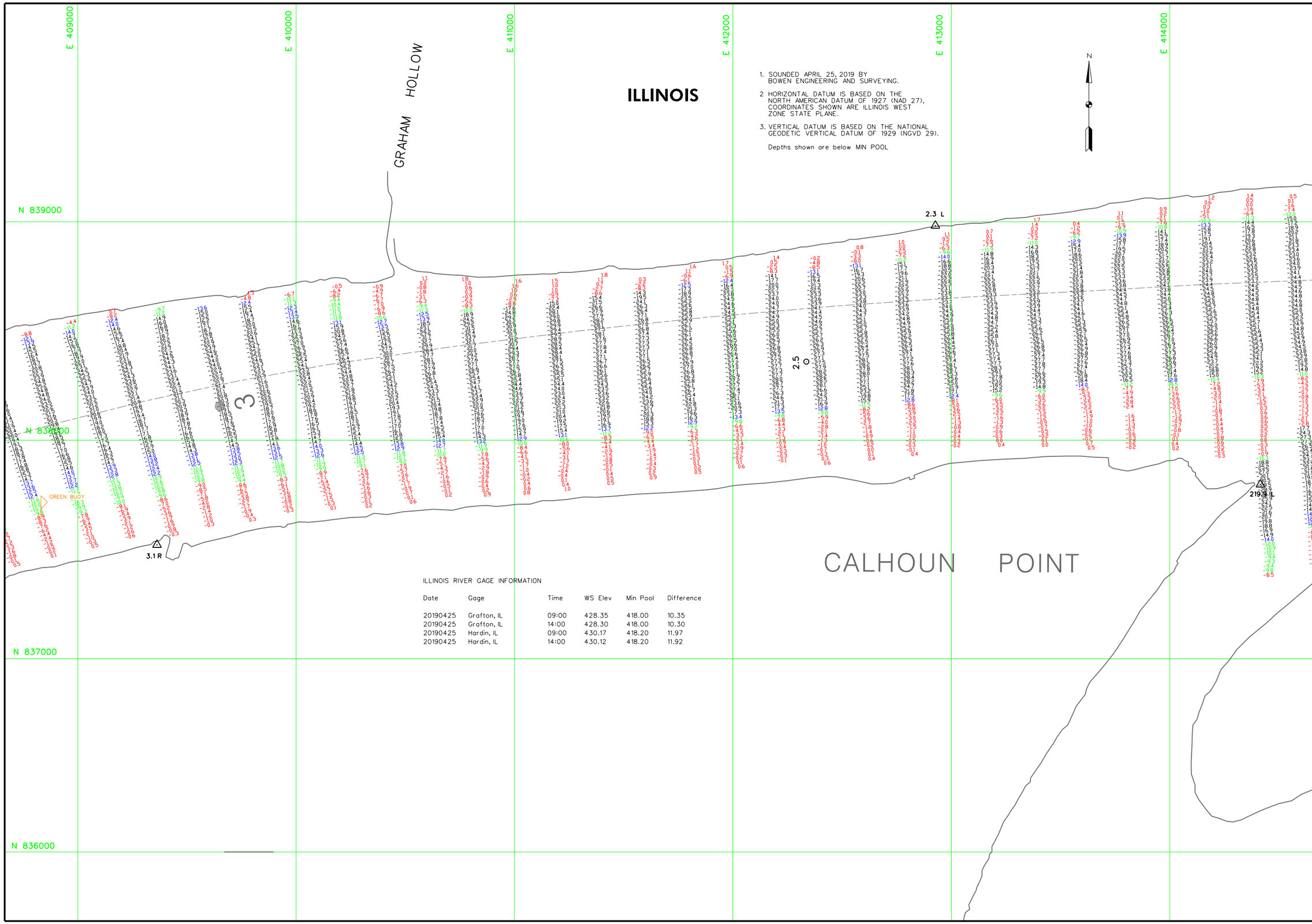
ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200 600

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 4.4 – 3.1

PLATE NUMBER
72



1. SOUNDED APRIL 25, 2019 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE ILLINOIS WEST 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 RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
20190425	Grafton, IL	09:00	428.35	418.00	10.35
20190425	Grafton, IL	14:00	428.30	418.00	10.30
20190425	Hardin, IL	09:00	430.17	418.20	11.97
20190425	Hardin, IL	14:00	430.12	418.20	11.92

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
25 APR 2019	24.56(9:00) 24.51(14:00)	30.17(9:00) 30.12(14:00)	X	X

Surveyed by: BOWEN ENGINEERING
Survey Date: APRIL 25, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 888888DATE YYMMDDHH
File name: 888FIGSIGNFILEBATPLOPCAPCNN888

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

ILLINOIS RIVER

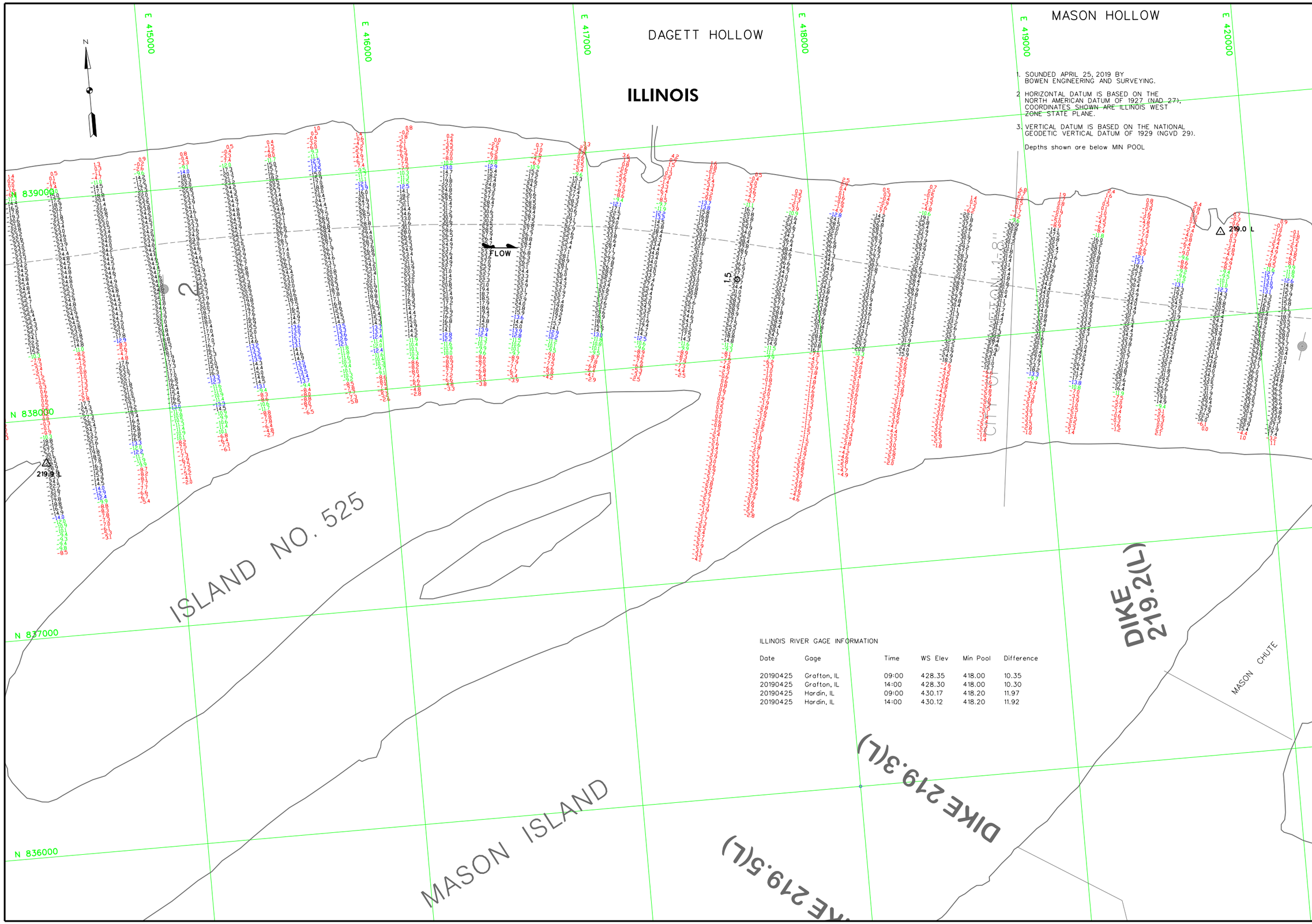
60 0 60 120 METERS
200 0 200 400 FEET

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 3.1 – 2.1

PLATE NUMBER

73



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ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
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20190425	Hardin, IL	14:00	430.12	418.20	11.92

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 218.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
25 APR 2019	24.56(9:00) 24.51(14:00)	30.17(9:00) 30.12(14:00)	X	X

Surveyed by: BOWEN ENGINEERING
Survey Date: APRIL 25, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: ####DATE_TIME####
File name: ##########\##########.DWG

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

ILLINOIS RIVER

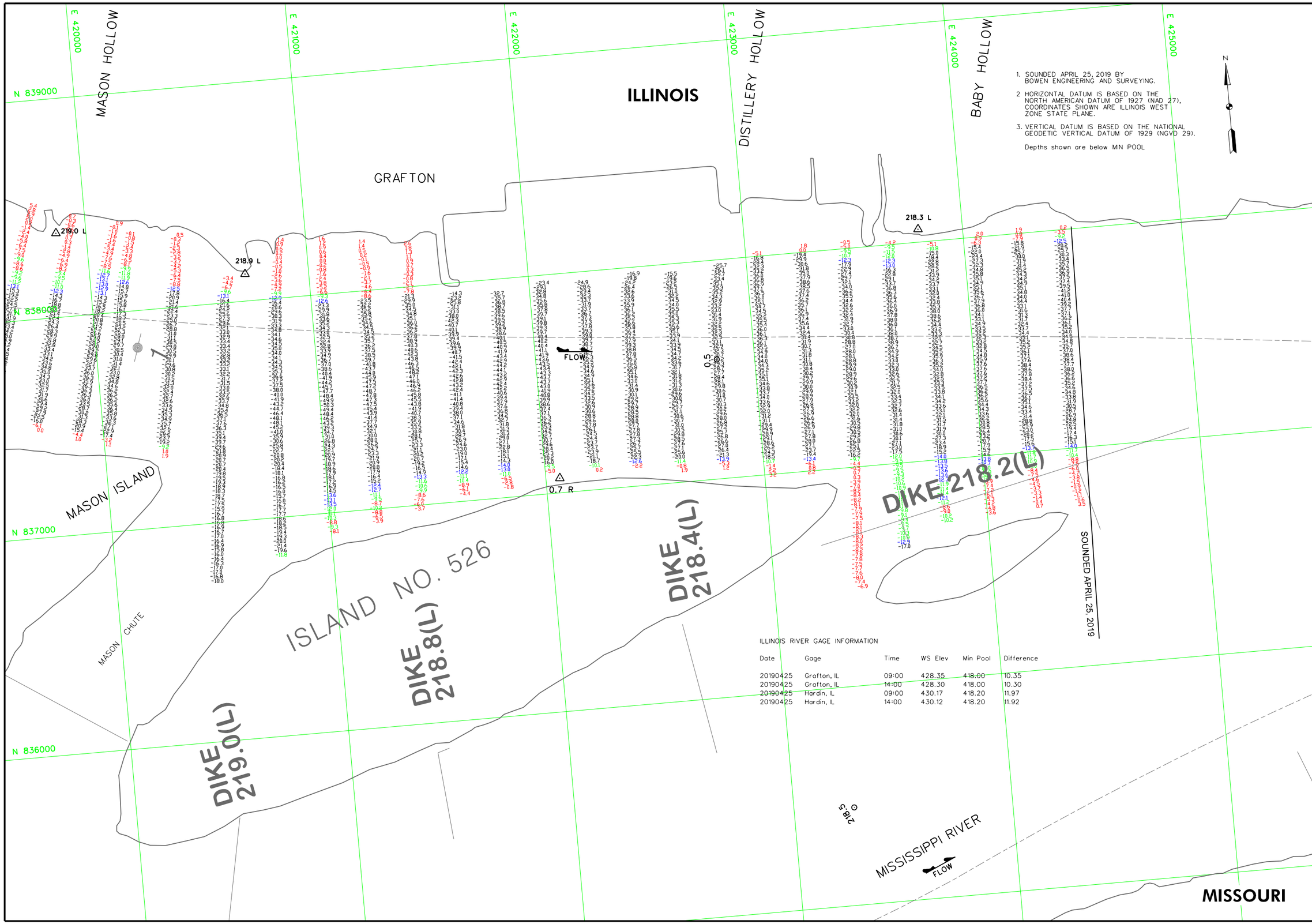
120 METERS 60 0 60 200
400 FEET 200 0 200 600

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 2.1 – 1.0

PLATE NUMBER

74



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Depths shown are below MIN POOL

ILLINOIS RIVER GAGE INFORMATION

Date	Gage	Time	WS Elev	Min Pool	Difference
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US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GRAFTON	HARDIN	FLORENCE	VALLEY CITY
ZERO N.G.V.D.	403.79	400.00	400.00	418.00
MILE	0.0 (MRM 298.6)	21.5	56.0	61.3
MIN. POOL	418.0	418.2	418.8	418.9
25 APR 2019	24.56(9:00) 24.53(14:00)	30.17(9:00) 30.12(14:00)	x	x

Surveyed by: BOWEN ENGINEERING
Survey Date: APRIL 25, 2019
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
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U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER

120 METERS 60 0 60 200
400 FEET 200 0 200

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

HYDROGRAPHIC SURVEYS
ILLINOIS RIVER – MILES 80 TO 0
RIVER MILES 11 – 0

PLATE NUMBER
75