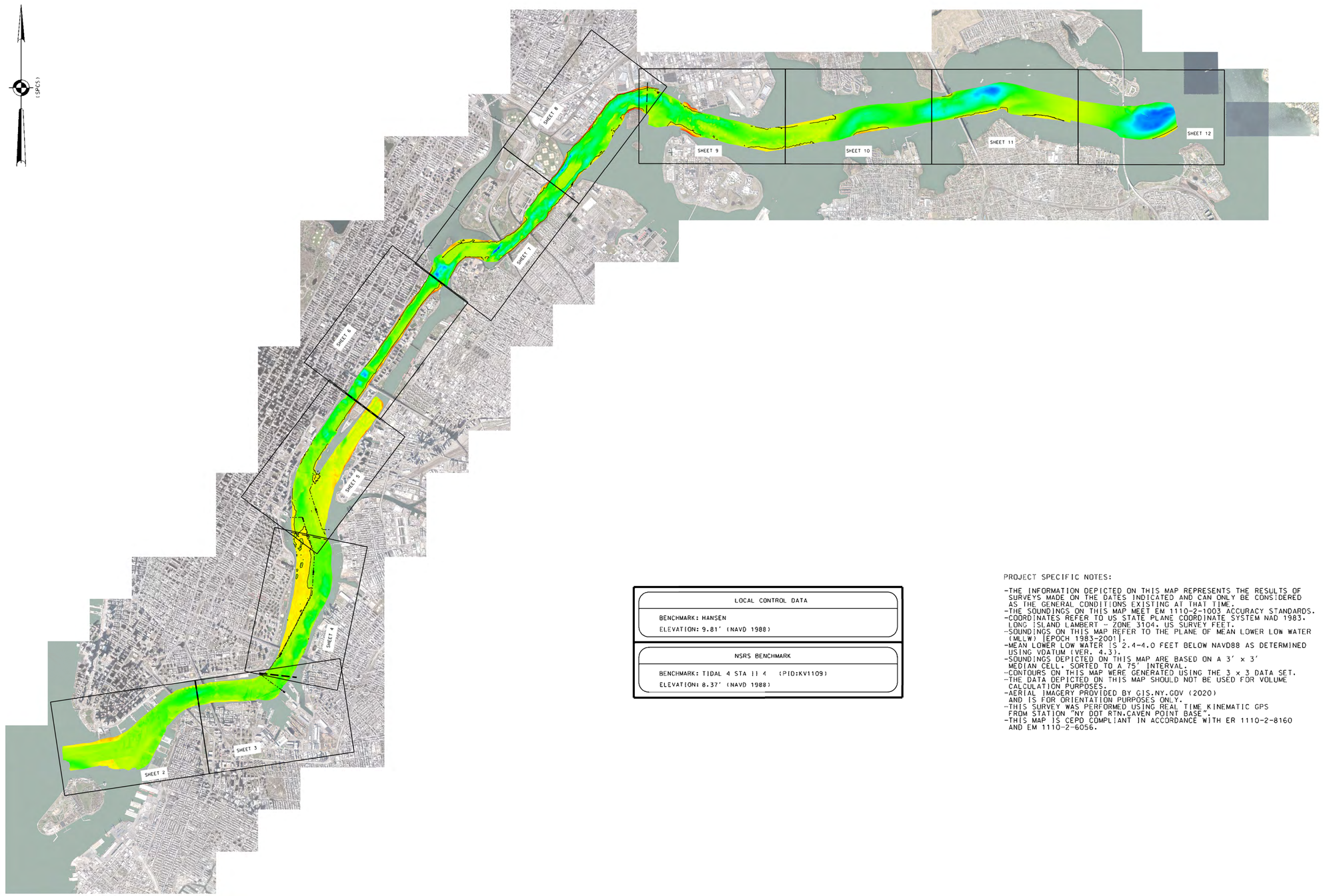


LOCAL CONTROL DATA
BENCHMARK: HANSEN
ELEVATION: 9.81' (NAVD 1988)

NSRS BENCHMARK
BENCHMARK: TIDAL 4 STA II 4 (PID:KV1109)
ELEVATION: 8.37' (NAVD 1988)

PROJECT SPECIFIC NOTES:

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-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

ESQ
JE

DATES OF SURVEY:
10-24 FEBRUARY 2022
1-7 MARCH 2022
13 APRIL 2022

SCALE:
ONE INCH = 3000 FEET

FIELD BOOKS:
N/A

REQ. NO./FILE NO.: 15144/0

APPROVED: P. KEARNS FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR LEAD CARTOGRAPHER
APPROVED: J. MEHL DEPUTY CHIEF OF SURVEY
DATE: 3 MAY 2022

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

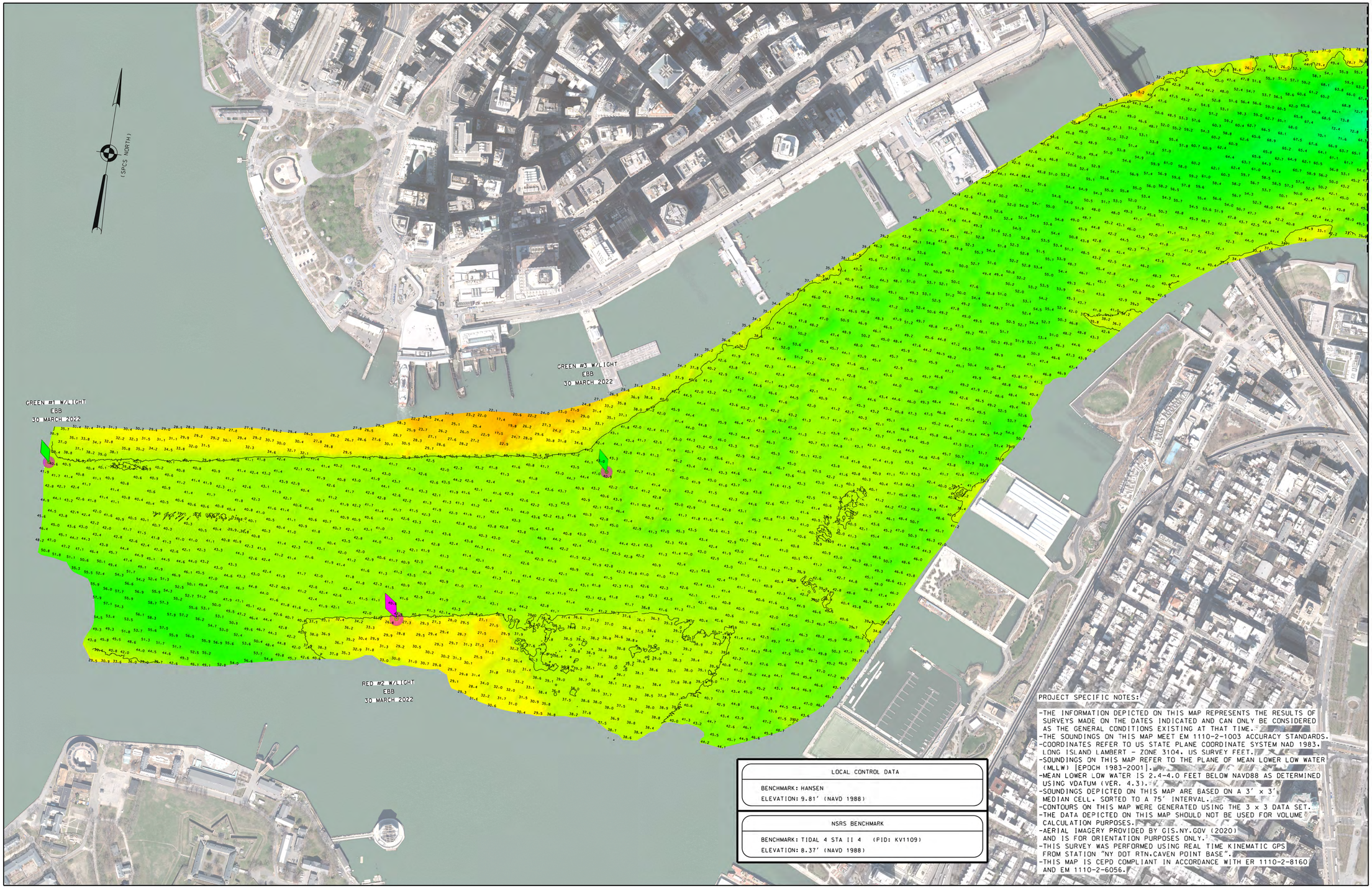
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

NEW YORK EAST RIVER

CONDITION SURVEY

VH-101

1 OF 12



US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

		ESO
		JE

DATES OF SURVEY:
10-24 FEBRUARY 2022
1-30 MARCH 2022
13 APRIL 2022

REG. NO./FILE NO.: 15144/0

SCALE:
ONE INCH = 300 FEET

FIELD BOOKS:
N/A

APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	LEAD CARTOGRAPHER
APPROVED:	J. MELZ	DEPUTY CHIEF OF SURVEY
DATE:	3 MAY 2022	

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

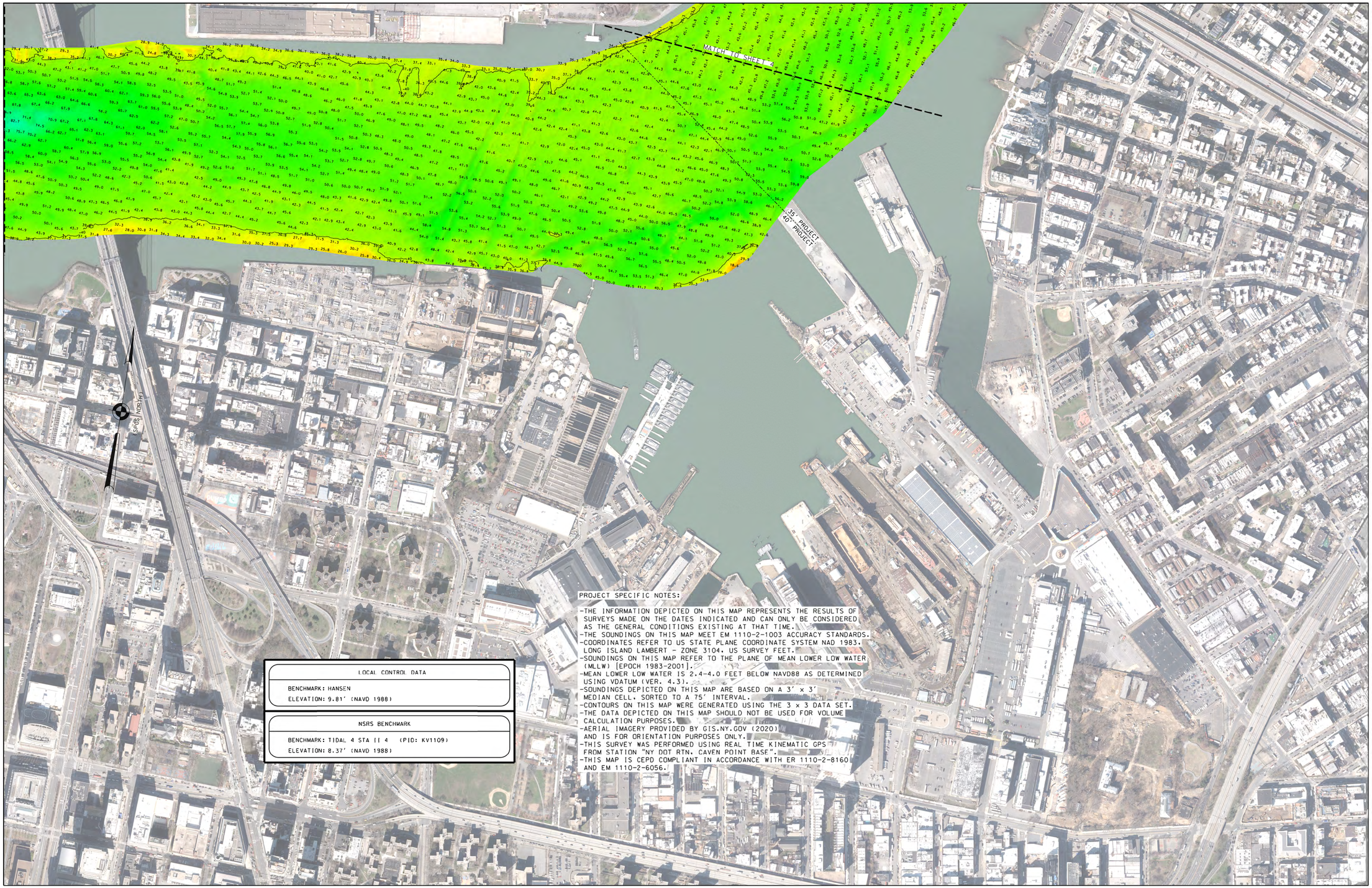
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

NEW YORK
EAST RIVER

CONDITION SURVEY

VH-102

2 OF 12



US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	ESO
	JE

DATES OF SURVEY:
10-24 FEBRUARY 2022
1-30 MARCH 2022
13 APRIL 2022

SCALE: ONE INCH = 300 FEET

FIELD BOOKS:
N/A

REG. NO./FILE NO.: 15144/0

APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	LEAD CARTOGRAPHER
APPROVED:	J. MEYER	DEPUTY CHIEF OF SURVEY
DATE:	3 MAY 2022	

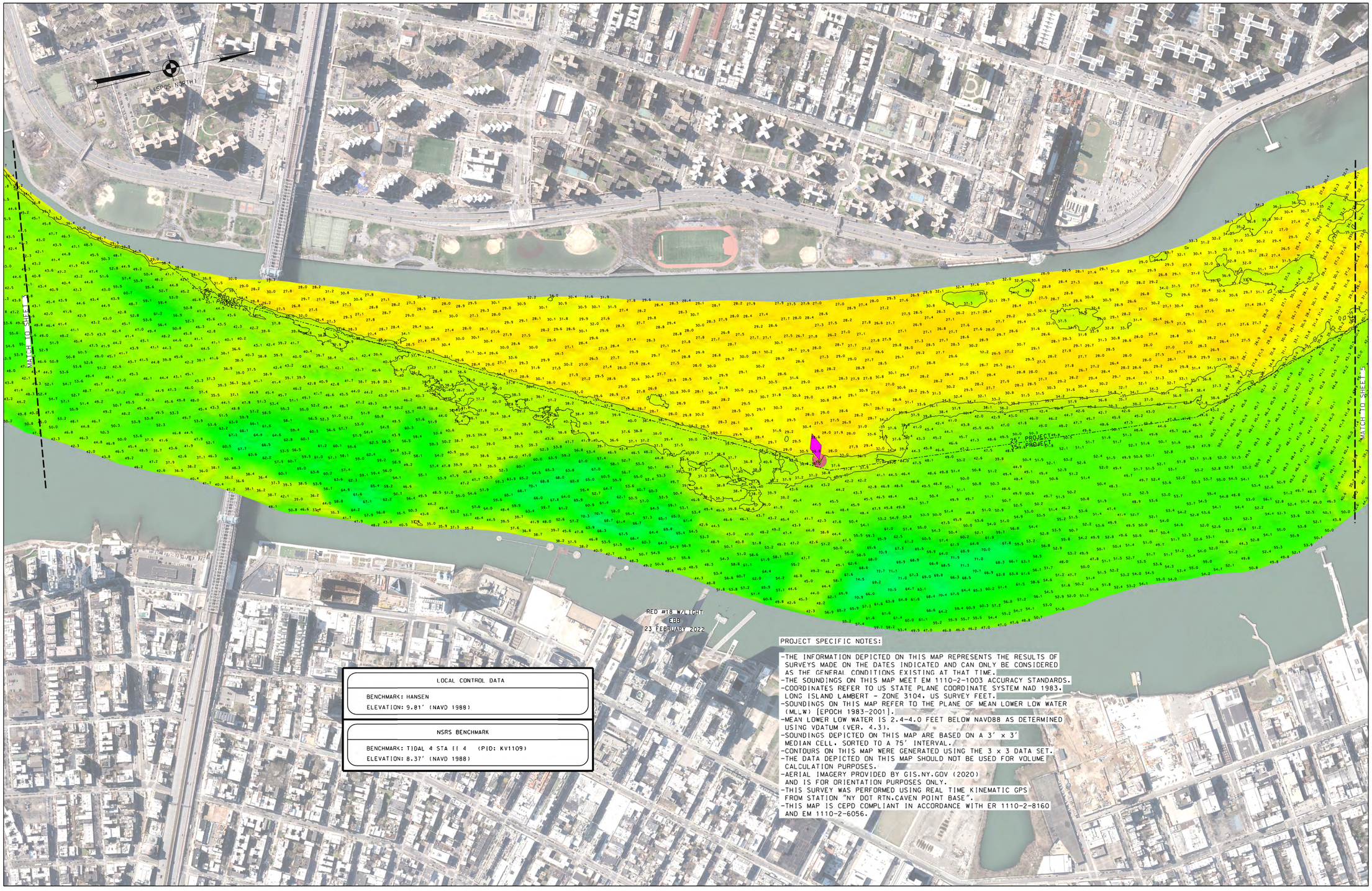
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

NEW YORK EAST RIVER

CONDITION SURVEY

VH-103



US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	ESO
	JE

DATES OF SURVEY:
10-24 FEBRUARY 2022
1-30 MARCH 2022
13 APRIL 2022

REG. NO./FILE NO.: 15146/0

SCALE:
ONE INCH = 300 FEET

FIELD BOOKS:
N/A
_____
_____
_____

APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHOJR	LEAD CARTOGRAPHER
APPROVED:	J. MELE	ACTING CHIEF OF SURVEY
DATE:	3 MAY 2022	

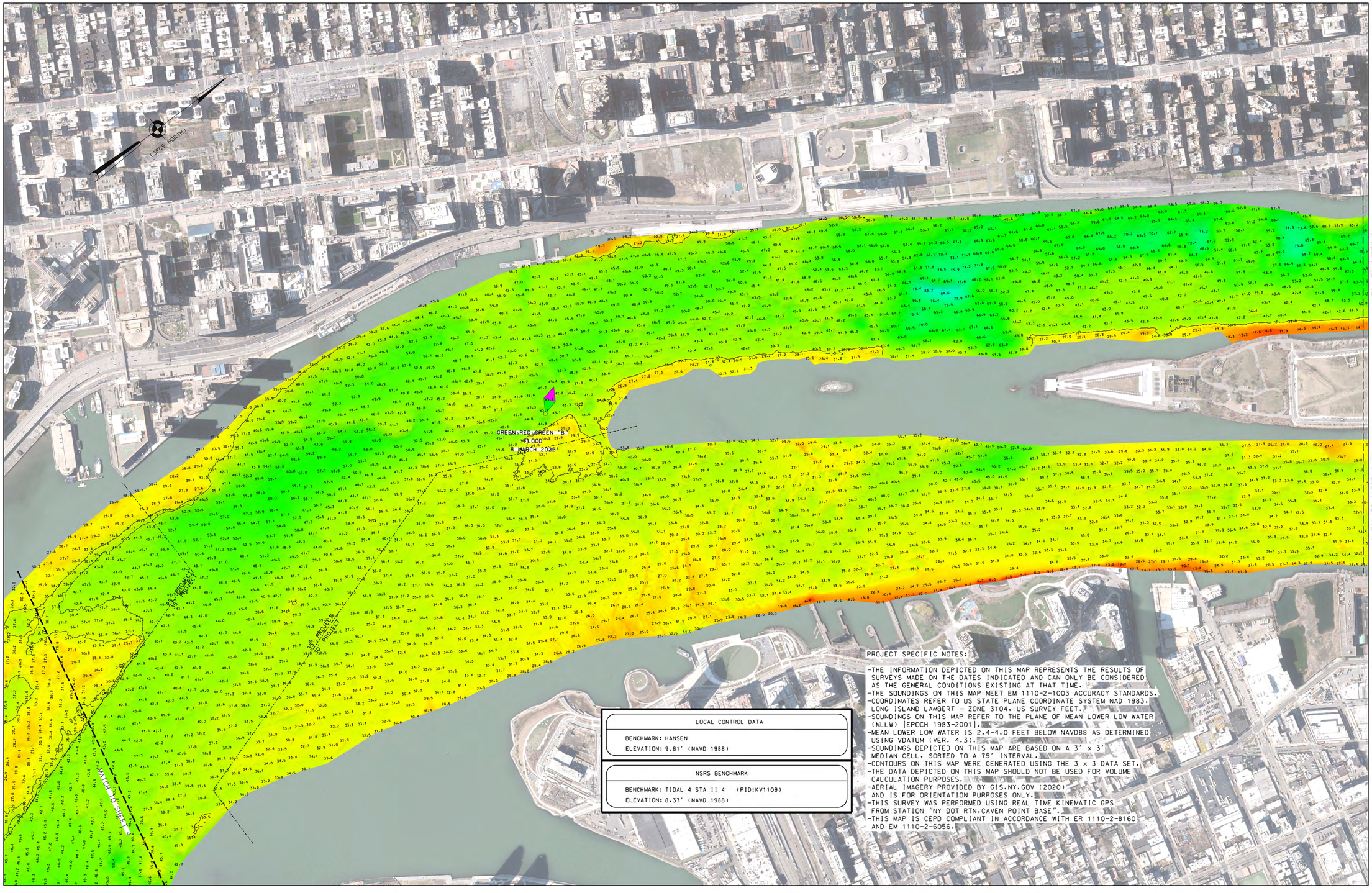
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

NEW YORK EAST RIVER

CONDITION SURVEY

VH-104



LOCAL CONTROL DATA
BENCHMARK: HANSEN
ELEVATION: 9.81' (NAVD 1988)

NSRS BENCHMARK
BENCHMARK: TIDAL 4 STA II 4 (PID:KV1109)
ELEVATION: 8.37' (NAVD 1988)

PROJECT SPECIFIC NOTES:

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-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	ESO
	JE

DATES OF SURVEY:
10-24 FEBRUARY 2022
1-30 MARCH 2022
13 APRIL 2022

SCALE: ONE INCH = 300 FEET

FIELD BOOKS:
N/A

REG. NO./FILE NO.: 15144/0

APPROVED: P. KEARNS FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHOJAR LEAD CARTOGRAPHER
APPROVED: J. MELE CHIEF OF SURVEY
DATE: 3 MAY 2022

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

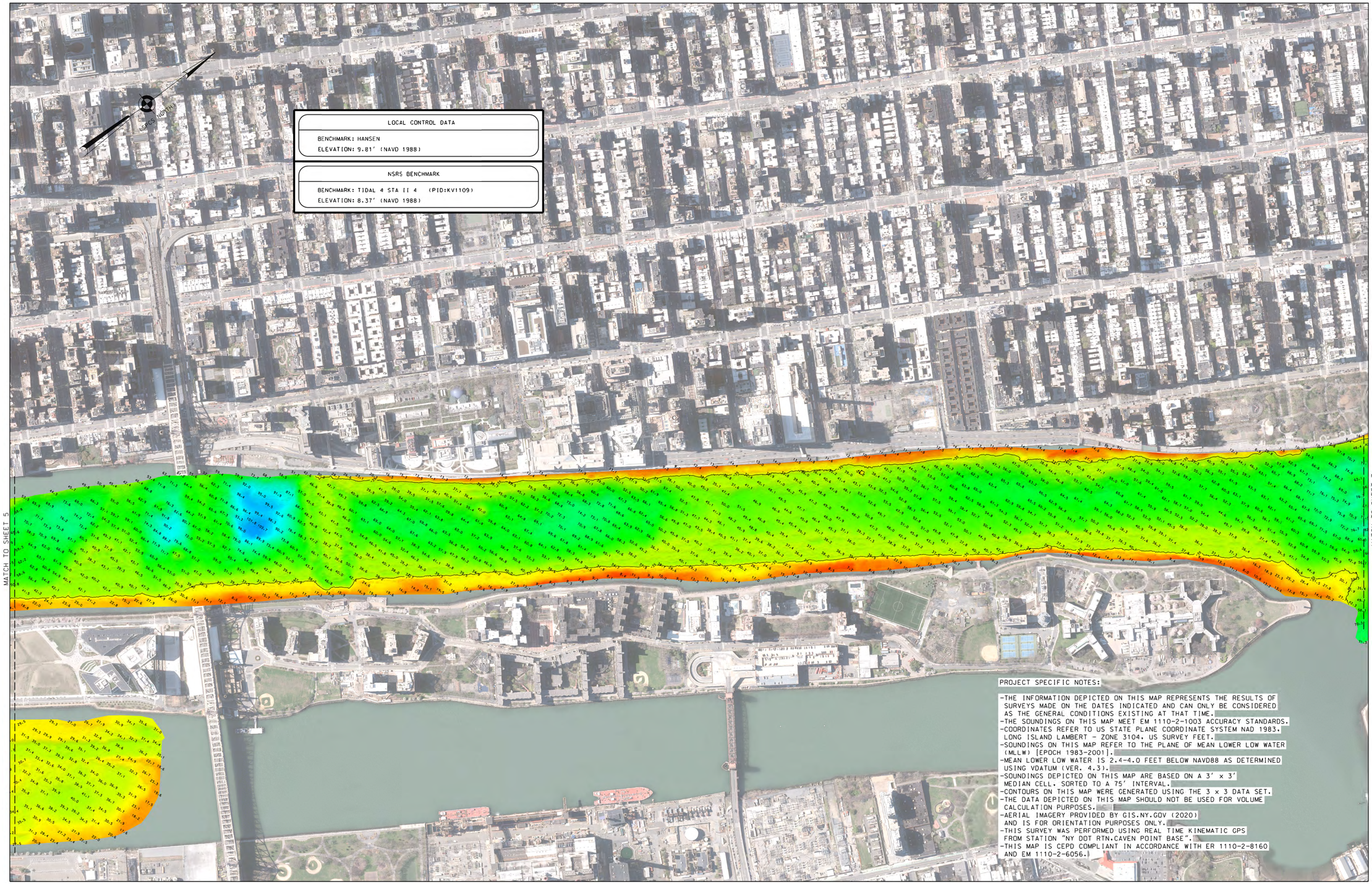
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

NEW YORK EAST RIVER

CONDITION SURVEY

VH-105

5 OF 12



PROJECT SPECIFIC NOTES:

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

		ESO
		JE

DATES OF SURVEY:
10-24 FEBRUARY 2022
1-30 MARCH 2022
13 APRIL 2022

REQ. NO./FILE NO.: 15144/0

SCALE:
ONE INCH = 300 FEET

FIELD BOOKS:
N/A

APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHOJR	LEAD CARTOGRAPHER
APPROVED:	J. MEYER	DEPUTY CHIEF OF SURVEY
DATE:	3 MAY 2022	

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

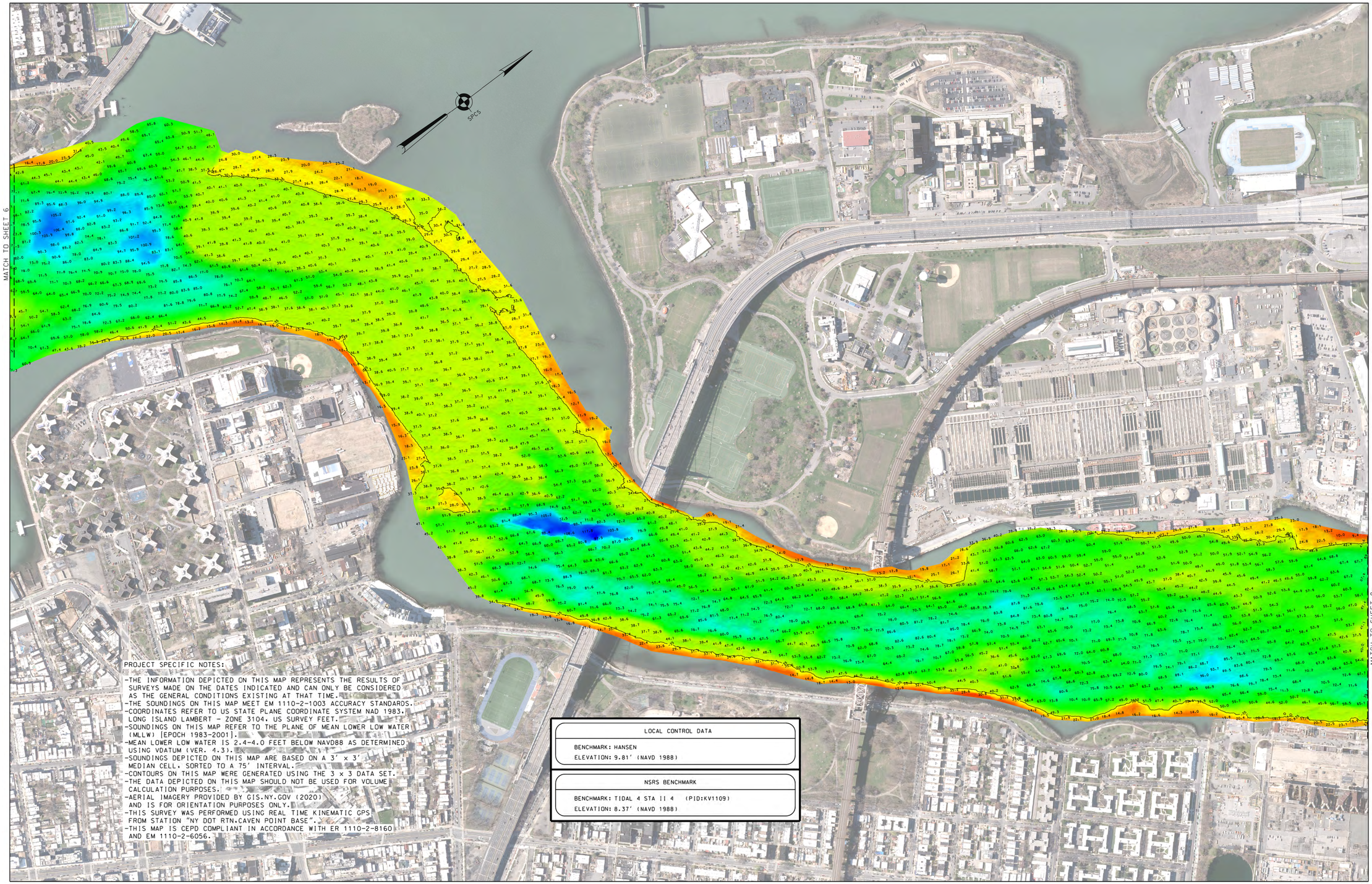
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

NEW YORK EAST RIVER

CONDITION SURVEY

VH-106

6 OF 12



PROJECT SPECIFIC NOTES:

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LOCAL CONTROL DATA
BENCHMARK: HANSEN ELEVATION: 9.81' (NAVD 1988)

NSRS BENCHMARK
BENCHMARK: TIDAL 4 STA II 4 (PID:KV1109) ELEVATION: 8.37' (NAVD 1988)

0 300' 600'

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

ESQ
JE

DATES OF SURVEY:
10-24 FEBRUARY 2022
1-30 MARCH 2022
13 APRIL 2022

REG. NO./FILE NO.: 15144/0

SCALE:
ONE INCH = 300 FEET

FIELD BOOKS:
N/A

APPROVED: P. KEARNS FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR LEAD CARTOGRAPHER
APPROVED: J. MEZA DEPUTY CHIEF OF SURVEY
DATE: 3 MAY 2022

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

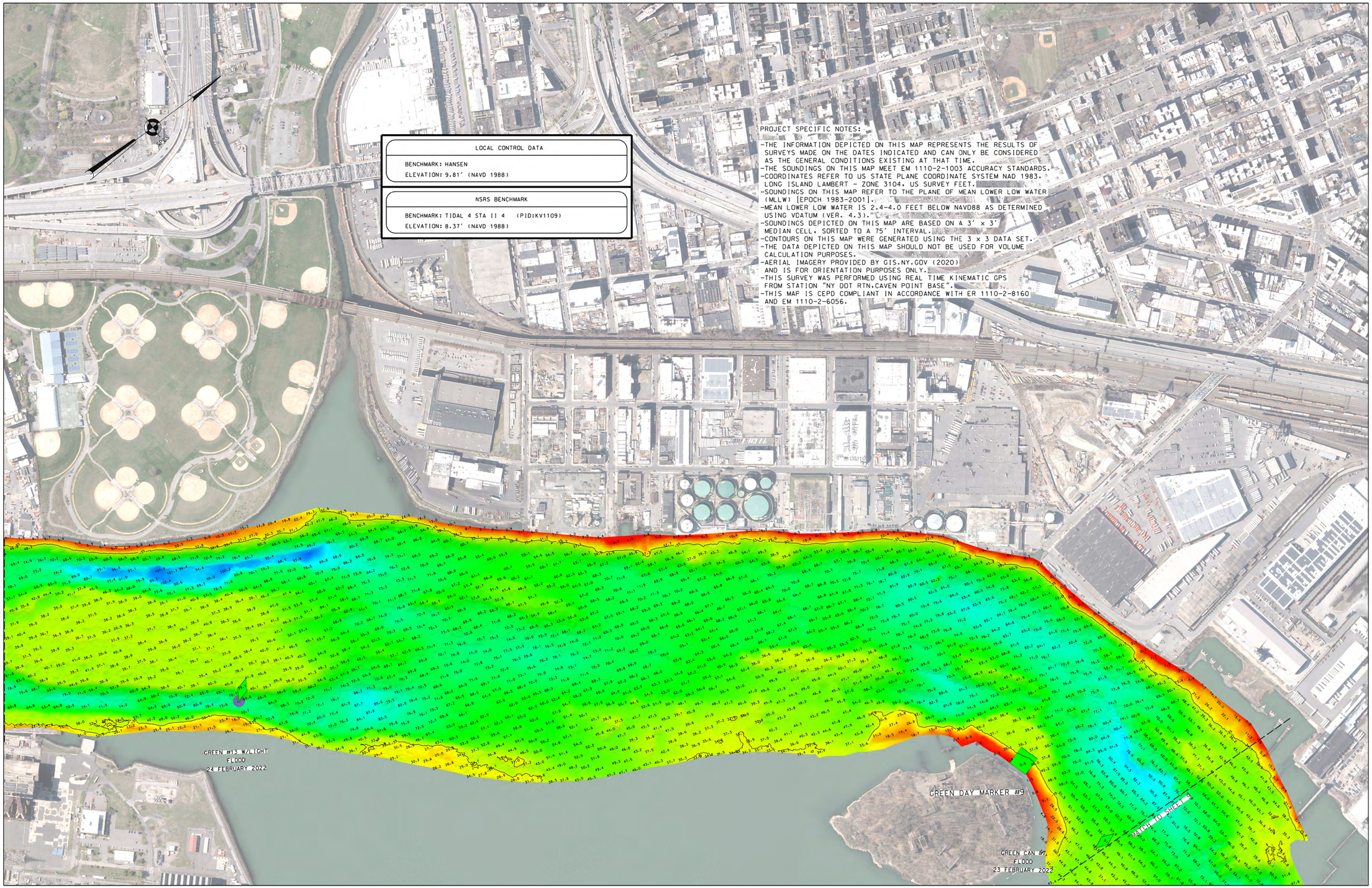
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

NEW YORK
EAST RIVER

CONDITION SURVEY

VH-107

7 OF 12



US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	ESQ
	JE

DATES OF SURVEY:
10-24 FEBRUARY 2022
1-30 MARCH 2022
13 APRIL 2022

REQ. NO./FILE NO.: 15144/0

SCALE:
ONE INCH = 300 FEET

FIELD BOOKS:
N/A

APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	LEAD CARTOGRAPHER
APPROVED:	J. MEYER	DEPUTY CHIEF OF SURVEY
DATE:	3 MAY 2022	

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

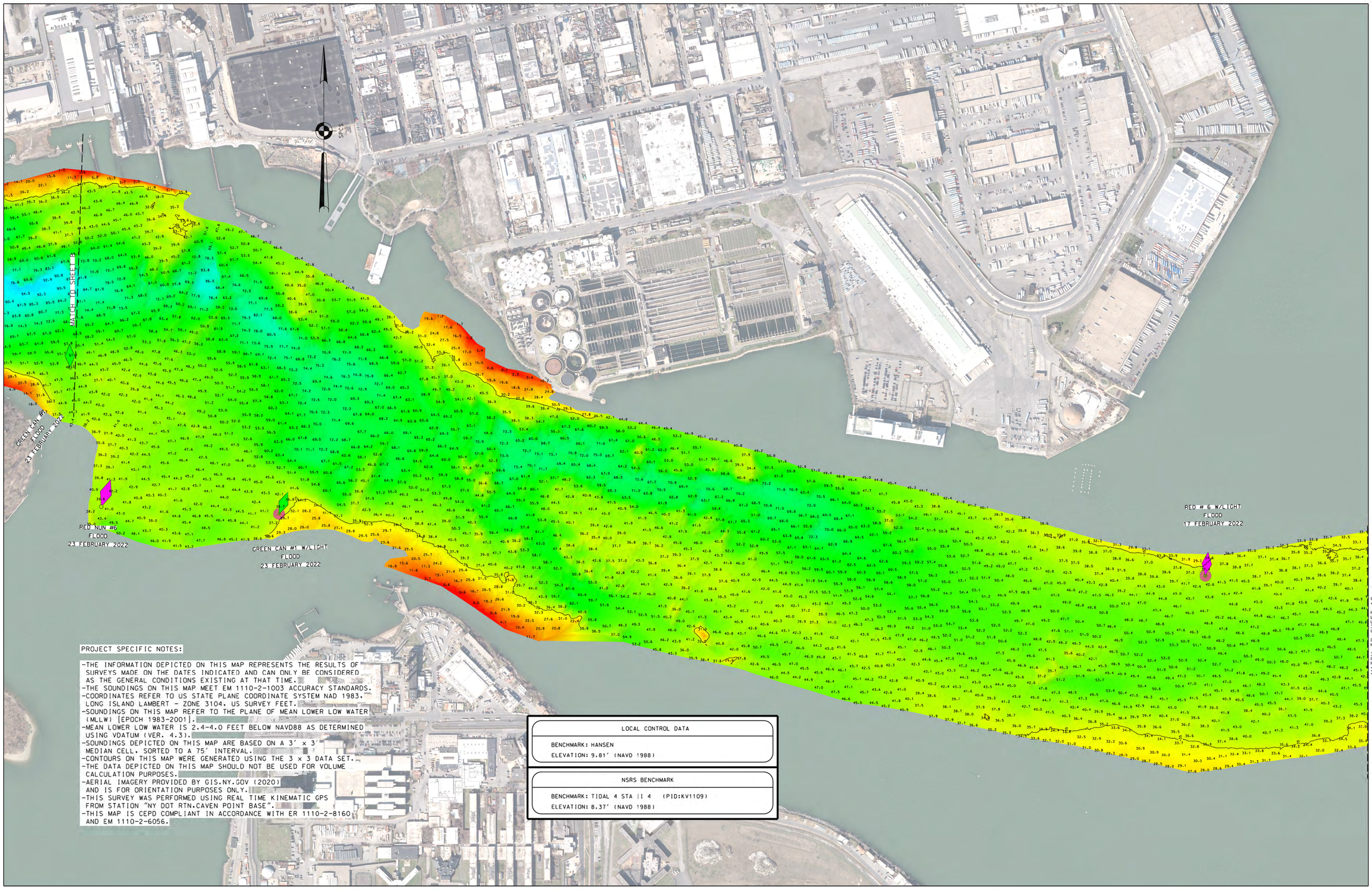
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

NEW YORK
EAST RIVER

CONDITION SURVEY

VH-108

8 OF 12



PROJECT SPECIFIC NOTES:

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LOCAL CONTROL DATA
BENCHMARK: HANSEN
ELEVATION: 9.81' (NAVD '1988)

NSRS BENCHMARK
BENCHMARK: TIDAL 4 STA II 4 (PID:KV1109)
ELEVATION: 8.37' (NAVD '1988)

0 300' 600'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

ESQ	JE

DATES OF SURVEY:
10-24 FEBRUARY 2022
1-30 MARCH 2022
13 APRIL 2022

SCALE: ONE INCH = 300 FEET

FIELD BOOKS:
N/A

REG. NO./FILE NO.: 15144/0

APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	LEAD CARTOGRAPHER
APPROVED:	J. MELE	SURVEY CHIEF OF SURVEY
DATE:	3 MAY 2022	

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

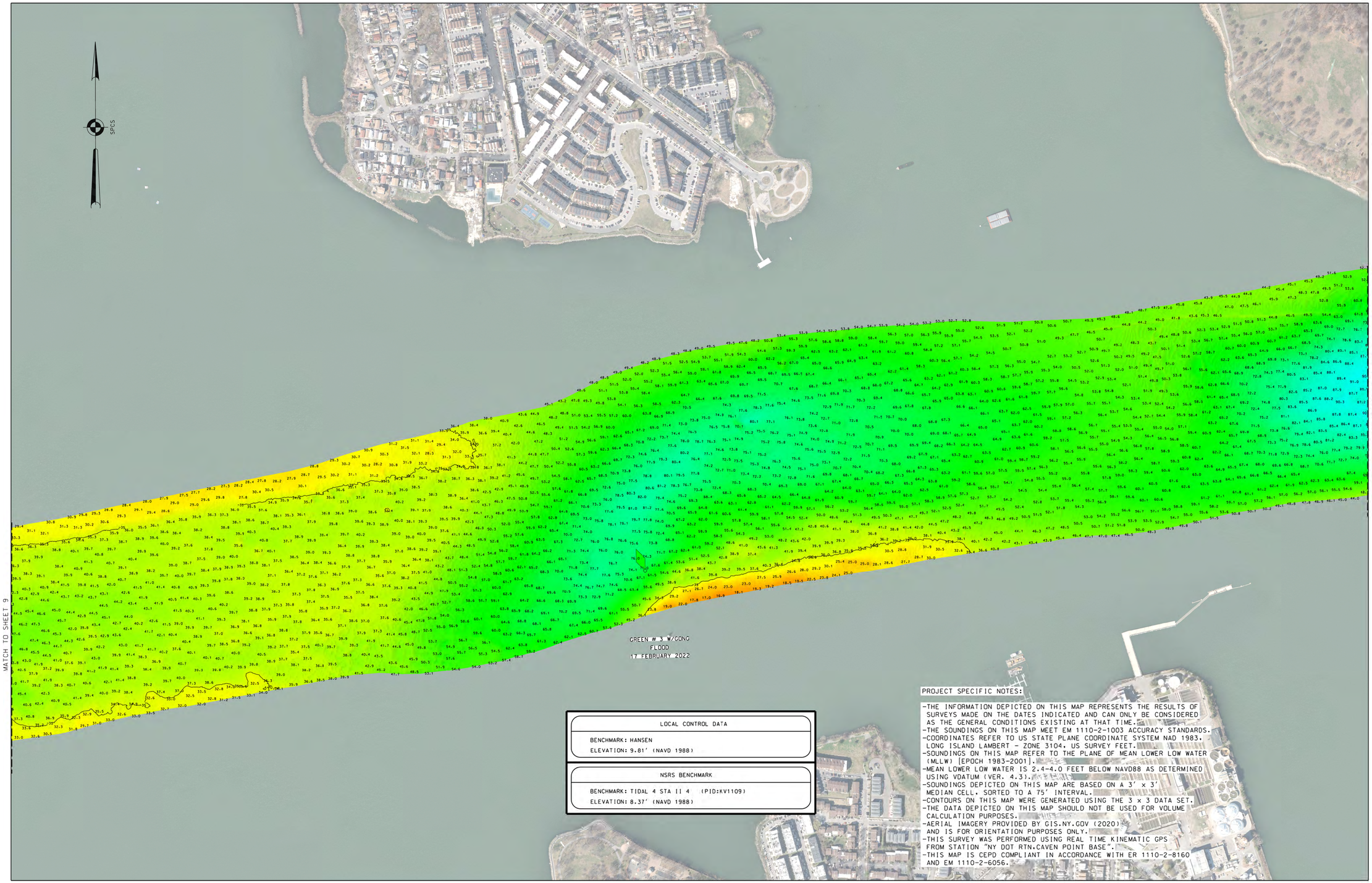
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

NEW YORK
EAST RIVER

CONDITION SURVEY

VH-109

9 OF 12



LOCAL CONTROL DATA

BENCHMARK: HANSEN
ELEVATION: 9.81' (NAVD 1988)

NSRS BENCHMARK

BENCHMARK: TIDAL 4 STA II 4 (PID:KV1109)
ELEVATION: 8.37' (NAVD 1988)

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

ESQ
JE

DATES OF SURVEY:
10-24 FEBRUARY 2022
1-30 MARCH 2022
13 APRIL 2022

REQ. NO./FILE NO.: 15144/0

SCALE: ONE INCH = 300 FEET

FIELD BOOKS:
N/A

APPROVED: P. KEARNS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, LEAD CARTOGRAPHER
APPROVED: J. MELE, DEPUTY CHIEF OF SURVEY
DATE: 3 MAY 2022

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

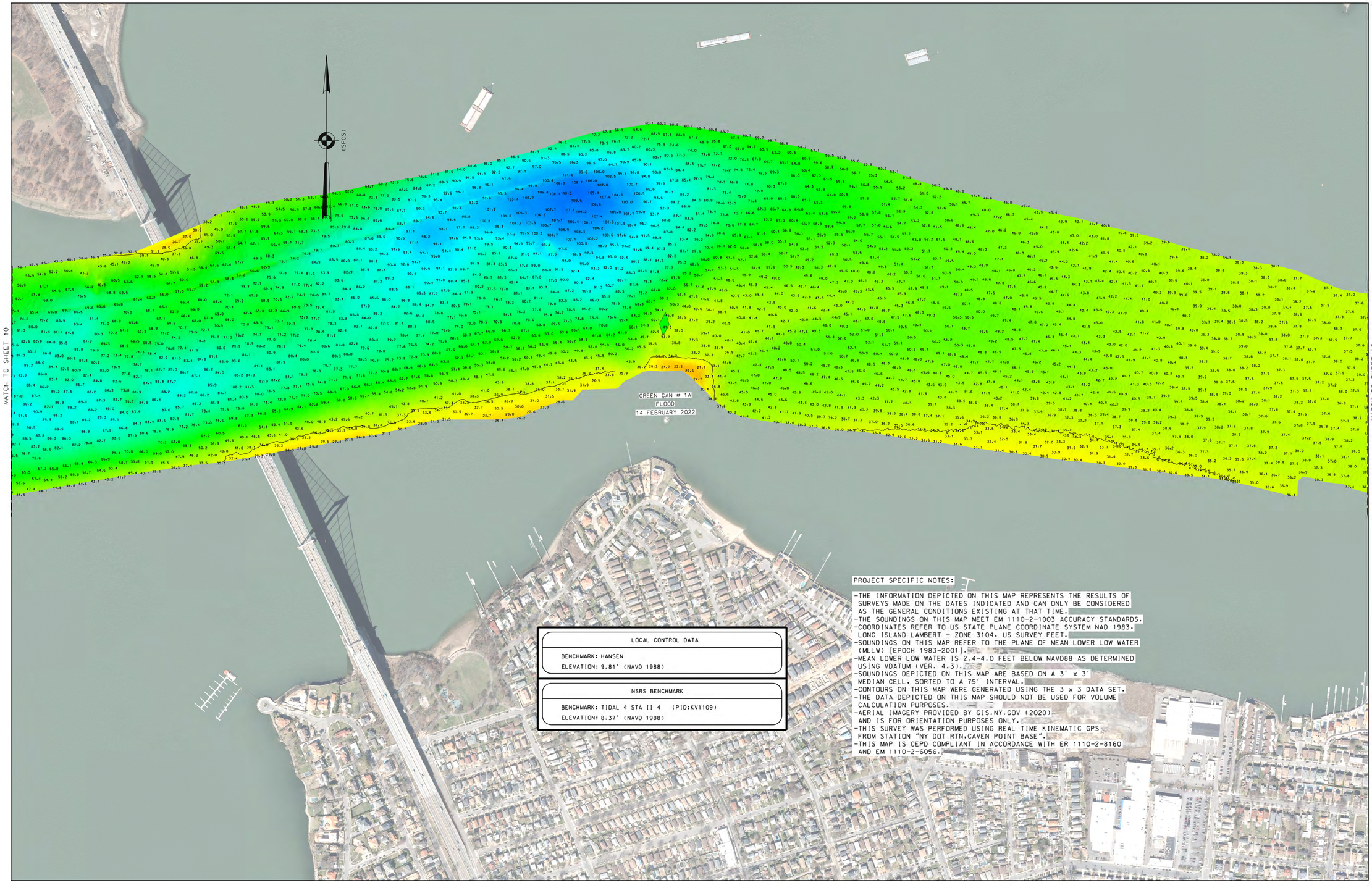
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

NEW YORK
EAST RIVER

CONDITION SURVEY

VH-110

10 OF 12



US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	ESQ
	JE

DATES OF SURVEY:
10-24 FEBRUARY 2022
1-30 MARCH 2022
13 APRIL 2022

REQ. NO./FILE NO: 15146/0

SCALE:
ONE INCH = 300 FEET

FIELD BOOKS:
N/A

APPROVED:	P. KEARNS, FIELD CARTOGRAPHER
APPROVED:	M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR, LEAD CARTOGRAPHER
APPROVED:	J. MELE, DEPUTY CHIEF OF SURVEY
DATE:	3 MAY 2022

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

NEW YORK
EAST RIVER
CONDITION SURVEY

VH-111

PROJECT SPECIFIC NOTES:

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SPECS

RED BUOY #48 W/LIGHT & BELL
FLOOD
10 FEBRUARY 2022

MATCH TO SHEET 11

RED_NUN_#2
FLOOD
10 FEBRUARY 2022

LOCAL CONTROL DATA
BENCHMARK: HANSEN ELEVATION: 9.81' (NAVD 1988)

NSRS BENCHMARK
BENCHMARK: TIDAL 4 STA II 4 (PID:KV1109) ELEVATION: 8.37' (NAVD 1988)

0 300' 600'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

ESO	JE

DATES OF SURVEY:
10-24 FEBRUARY 2022
1-30 MARCH 2022
13 APRIL 2022

REQ. NO./FILE NO.: 15146/0

SCALE: ONE INCH = 300 FEET

FIELD BOOKS:
N/A

APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	LEAD CARTOGRAPHER
APPROVED:	J. MERZ	DEPUTY CHIEF OF SURVEY
DATE:	3 MAY 2022	

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

NEW YORK
EAST RIVER

CONDITION SURVEY

VH-112

12 OF 12