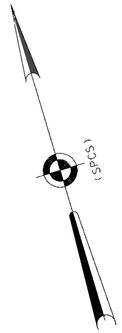

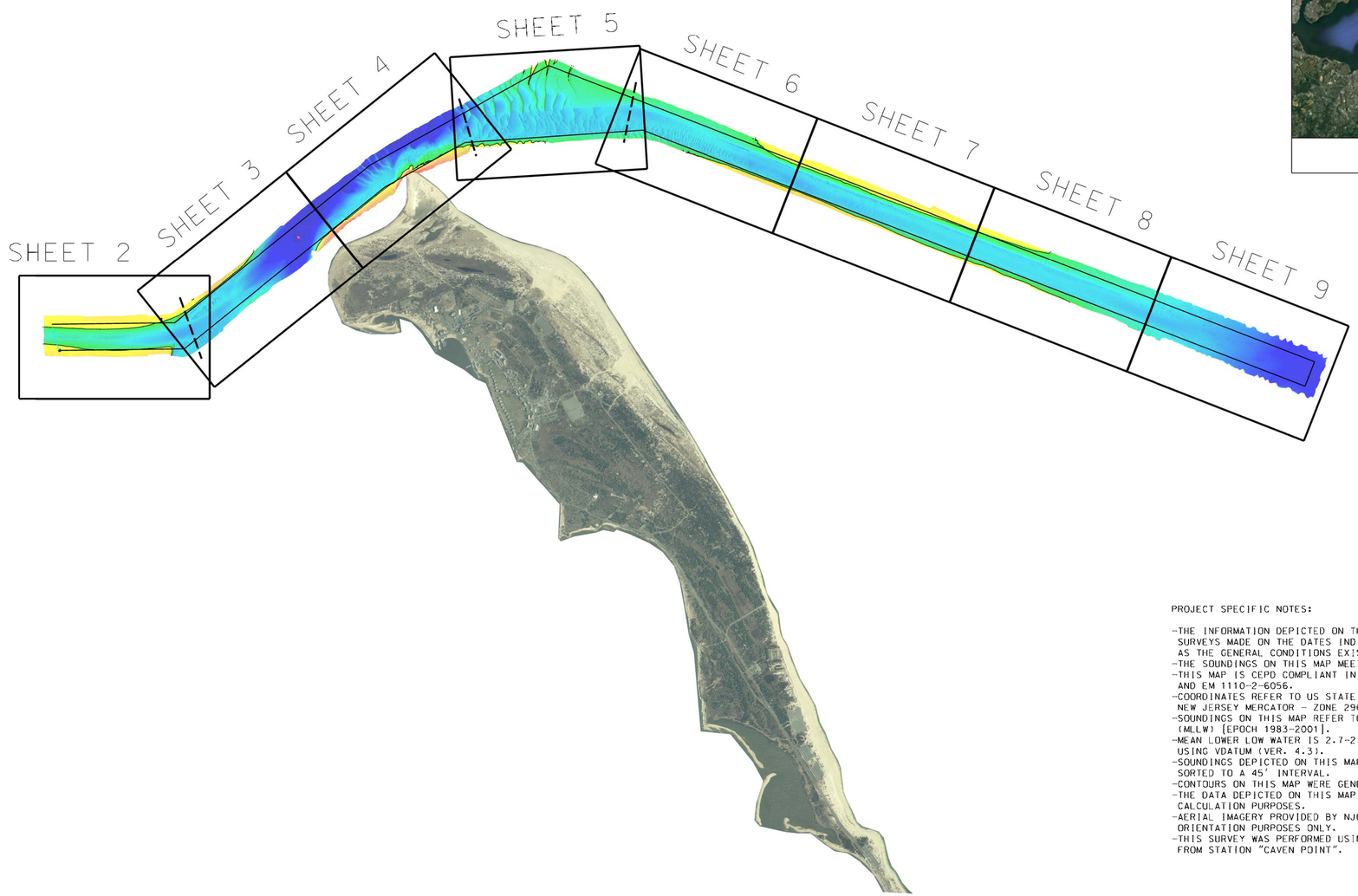

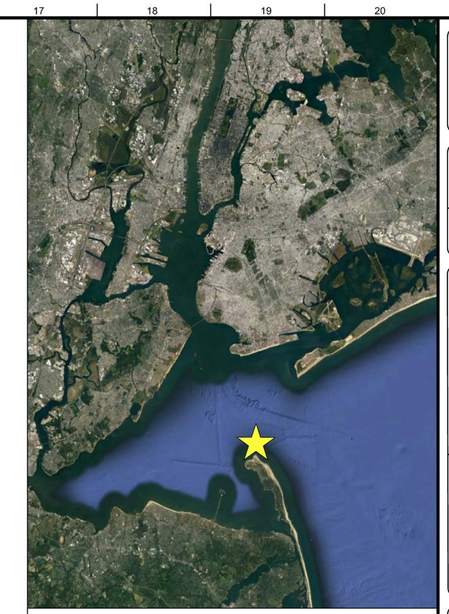

VICINITY MAP

PROJECT SPECIFIC NOTES:

- THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS THE GENERAL CONDITIONS EXISTING AT THAT TIME.
- THE SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS.
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.
- COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983, NEW JERSEY MERCATOR - ZONE 2900, US SURVEY FEET.
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- THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- AERIAL IMAGERY PROVIDED BY NJOGIS (2020) AND IS FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "CAVEN POINT".

0 2000' 4000'

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: SIMPSON 2 RM 3 (PID:KV0707)	BENCHMARK: SIMPSON 2 (PID:KV0709)
ELEVATION: 6.85' (NAVD 1988)	ELEVATION: 6.92' (NAVD 1988)

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	FA/JHS/CM	
WP	CB	

DATES OF SURVEY:
13, 17-20, APRIL 2023
24, 25, APRIL 2023

REQ. NO./FILE NO.: 5295/0/N2/N3

SCALE:
ONE INCH = 2000 FEET

FIELD BOOKS:
N/A

APPROVED: P. KEARNS
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: M. MERAZ
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 1 MAY 2023

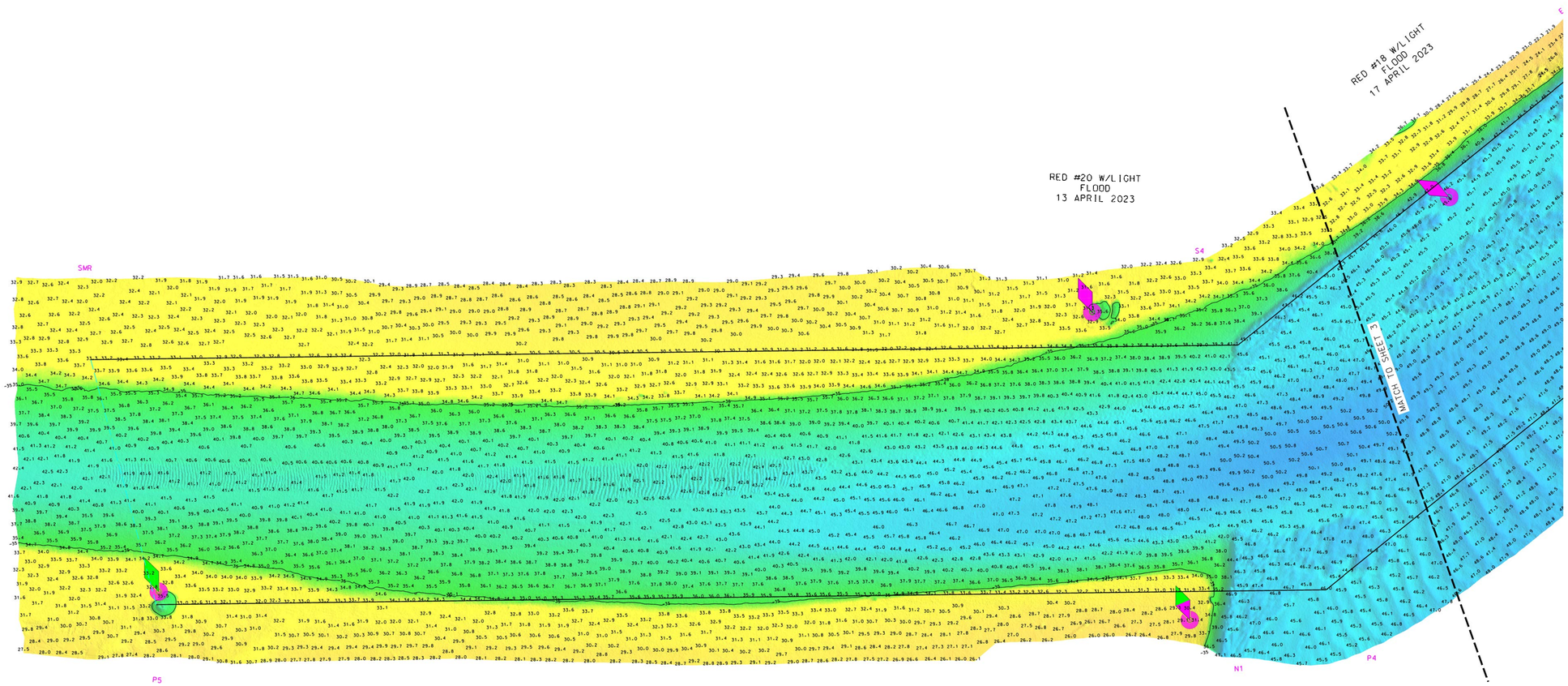
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

SANDY HOOK CHANNEL
NEW YORK HARBOR

CONDITION SURVEY

VH-101



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0 200' 400'

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: SIMPSON 2 RM 3 (PID:KV0707)	BENCHMARK: SIMPSON 2 (PID:KV0709)
ELEVATION: 6.85' (NAVD 1988)	ELEVATION: 6.92' (NAVD 1988)

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	FA/JHS/CM	
WP	CB	

DATES OF SURVEY:
13, 17-20, APRIL 2023
24, 25, APRIL 2023

SCALE: ONE INCH = 200 FEET

FIELD BOOKS: N/A

REQ. NO./FILE NO.: 5595/0/N2/N3

APPROVED: P. KEARNS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: J. MRAZ, DEPUTY CHIEF, OPERATIONS, SURVEYS AND MAPPING BRANCH
DATE: 1 MAY 2023

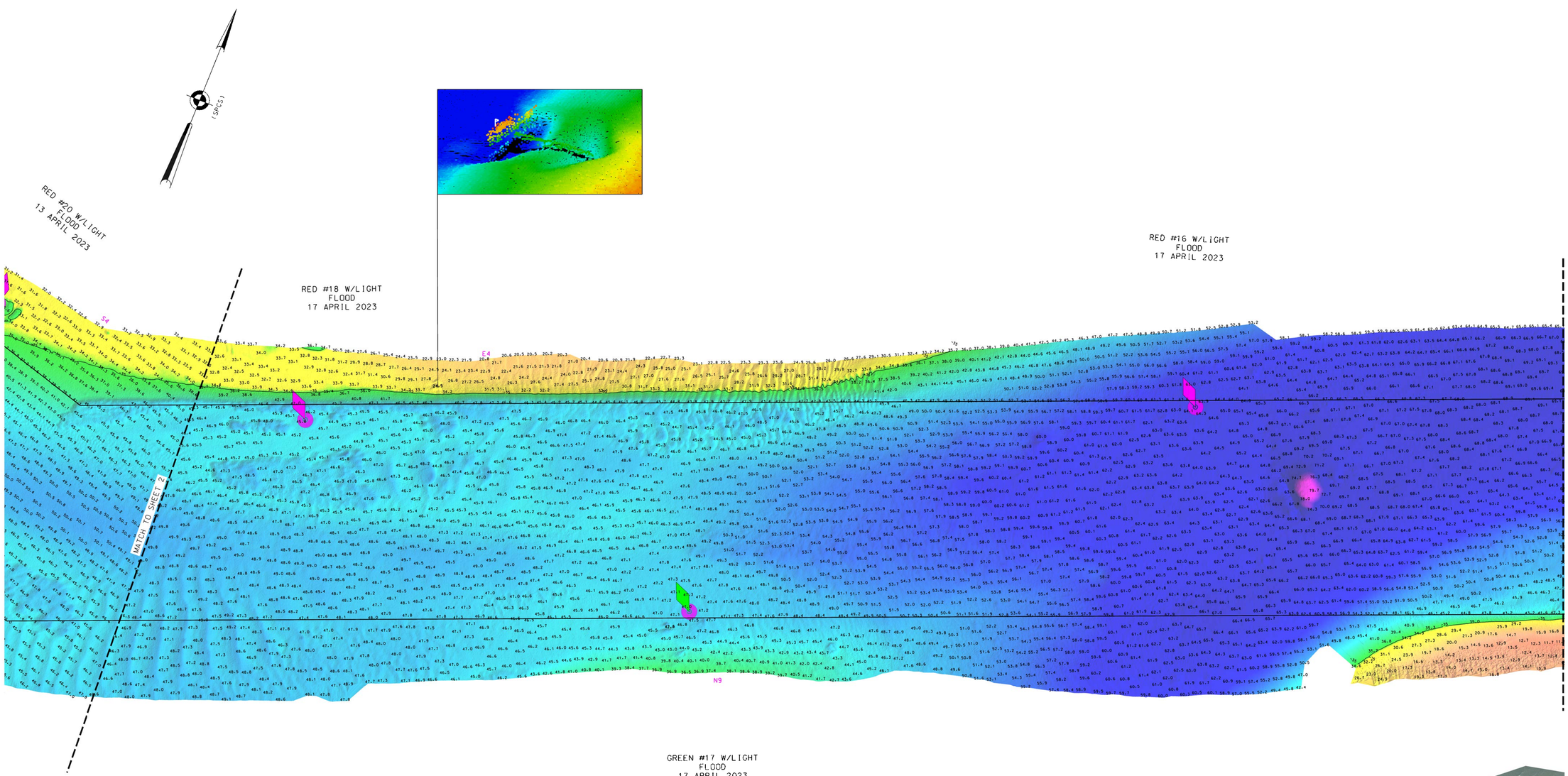
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

SANDY HOOK CHANNEL
NEW YORK HARBOR

CONDITION SURVEY

VH-102



PROJECT SPECIFIC NOTES:

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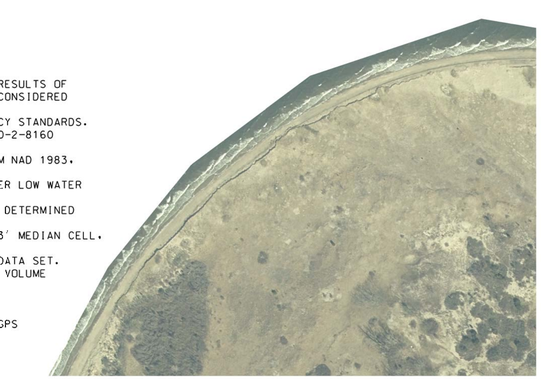


LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: SIMPSON 2 RM 3 (PID:KV0707)	BENCHMARK: SIMPSON 2 (PID:KV0709)
ELEVATION: 6.85' (NAVD 1988)	ELEVATION: 6.92' (NAVD 1988)

0 200' 400'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PRP	FA/JHS/CM	
WP	CB	

DATES OF SURVEY:
13, 17-20, APRIL 2023
24-25 APRIL 2023

SCALE: ONE INCH = 200 FEET

FIELD BOOKS: N/A

REQ. NO./FILE NO.: 5385/0/N2/143

APPROVED: P. KEARNS FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKAZ DEPUTY CHIEF, SURVEYS AND MAPPING BRANCH
DATE: MAY 2023

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

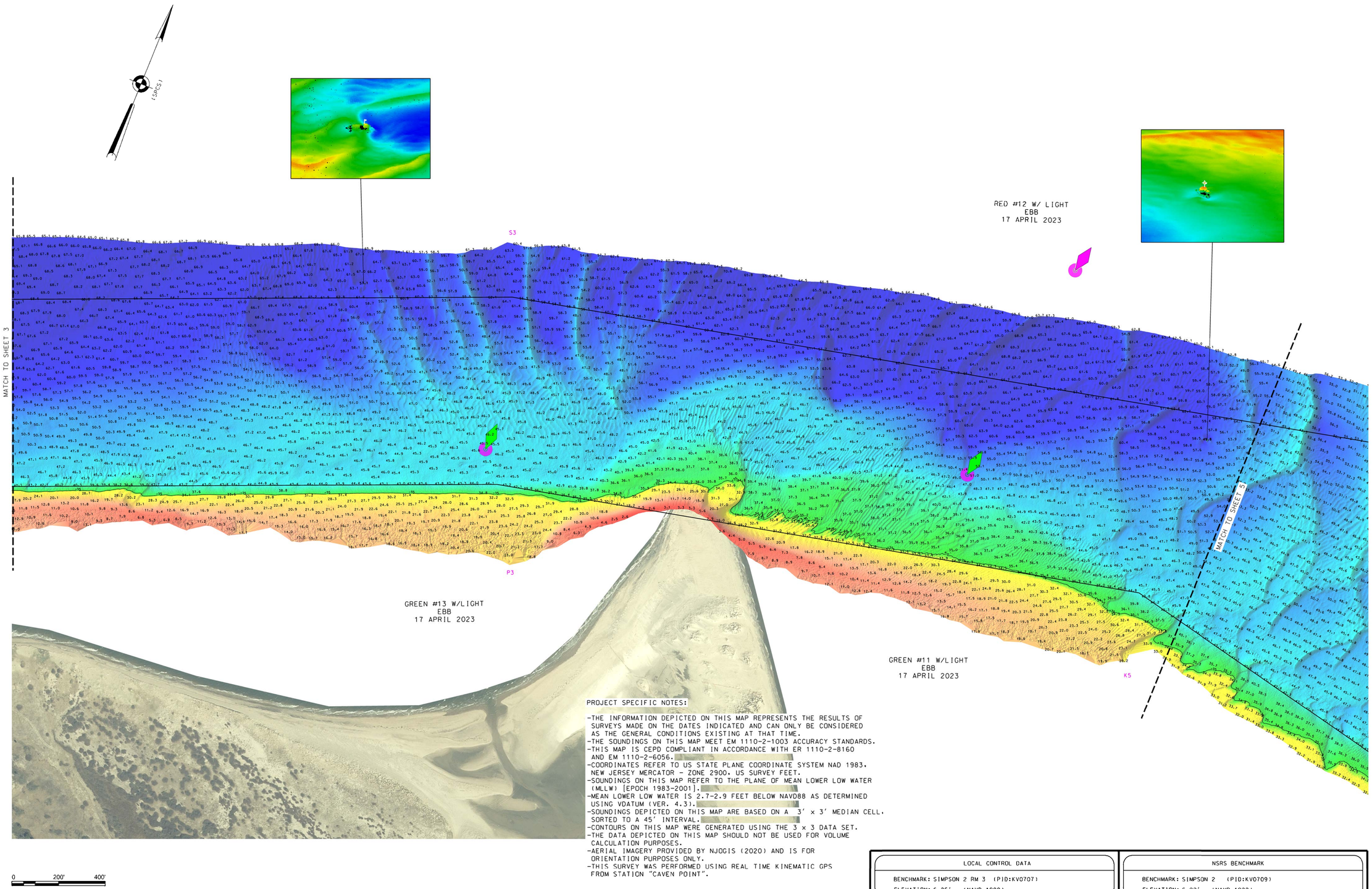
OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

SANDY HOOK CHANNEL
NEW YORK HARBOR

CONDITION SURVEY

VH-103

3 OF 9



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- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "CAVEN POINT".

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: SIMPSON 2 RM 3 (PID:KV0707)	BENCHMARK: SIMPSON 2 (PID:KV0709)
ELEVATION: 6.85' (NAVD 1988)	ELEVATION: 6.92' (NAVD 1988)

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	FA/JHS/CM	
VP	CB	

DATES OF SURVEY:
13, 17-20, APRIL 2023
24-25 APRIL 2023

SCALE: ONE INCH = 200 FEET

FIELD BOOKS: N/A

REQ. NO./FILE NO.: 5395/0/N2/143

APPROVED: P. KEARNS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MEAZ, DEPUTY CHIEF, SURVEYS AND MAPPING BRANCH
DATE: 1 MAY 2023

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

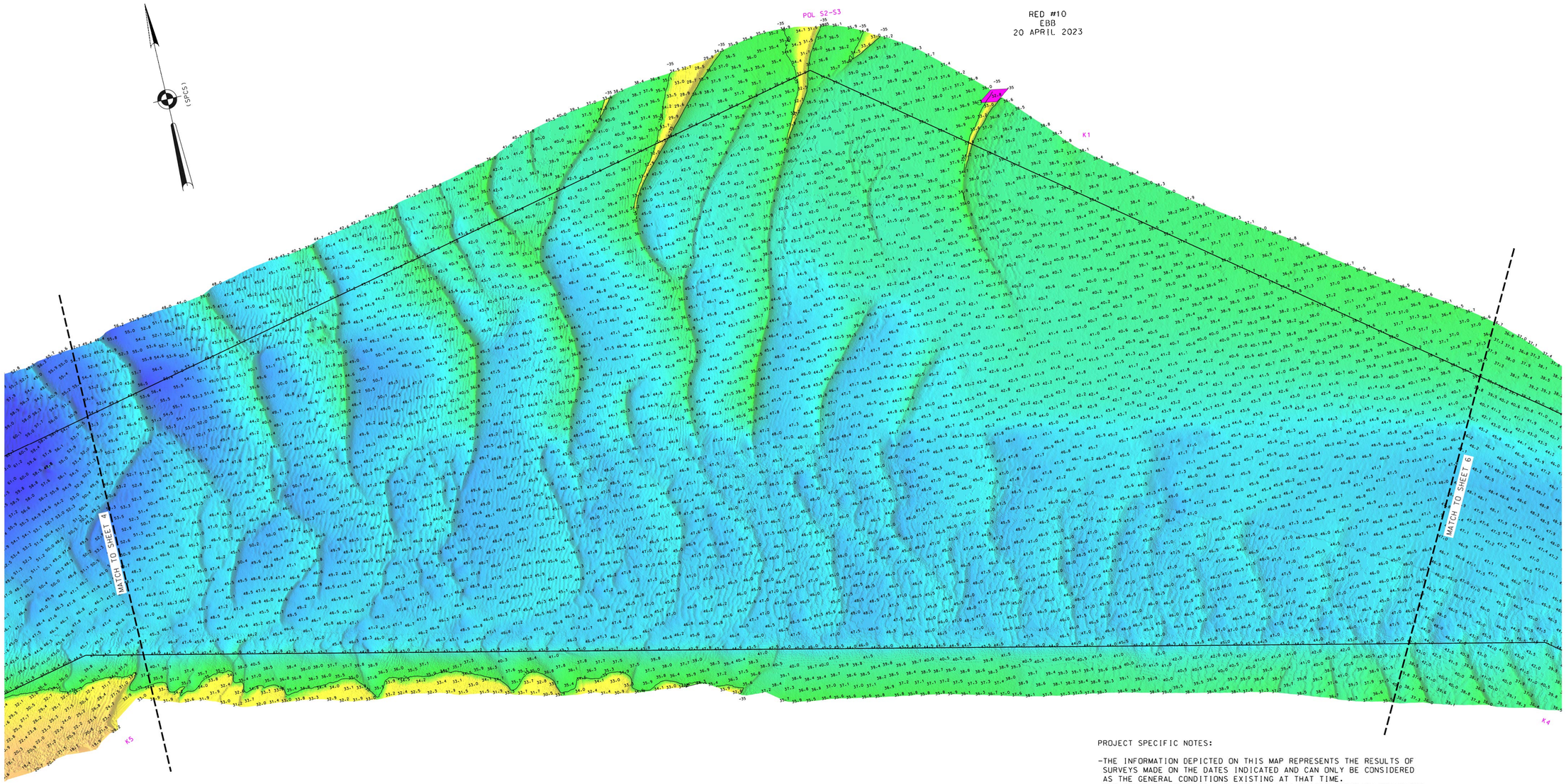
OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

SANDY HOOK CHANNEL
NEW YORK HARBOR

CONDITION SURVEY

VH-104

4 OF 9



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LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: SIMPSON 2 RM 3 (PID:KV0707)	BENCHMARK: SIMPSON 2 (PID:KV0709)
ELEVATION: 6.85' (NAVD 1988)	ELEVATION: 6.92' (NAVD 1988)

0 200' 400'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	FA/JHS/CM	
WP	CB	

DATES OF SURVEY:
13, 17-20, APRIL 2023
24-25 APRIL 2023

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

REQ. NO./FILE NO.: 5385/0/N2/143

APPROVED: P. KEARNS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIRAZ, DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 1 MAY 2023

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

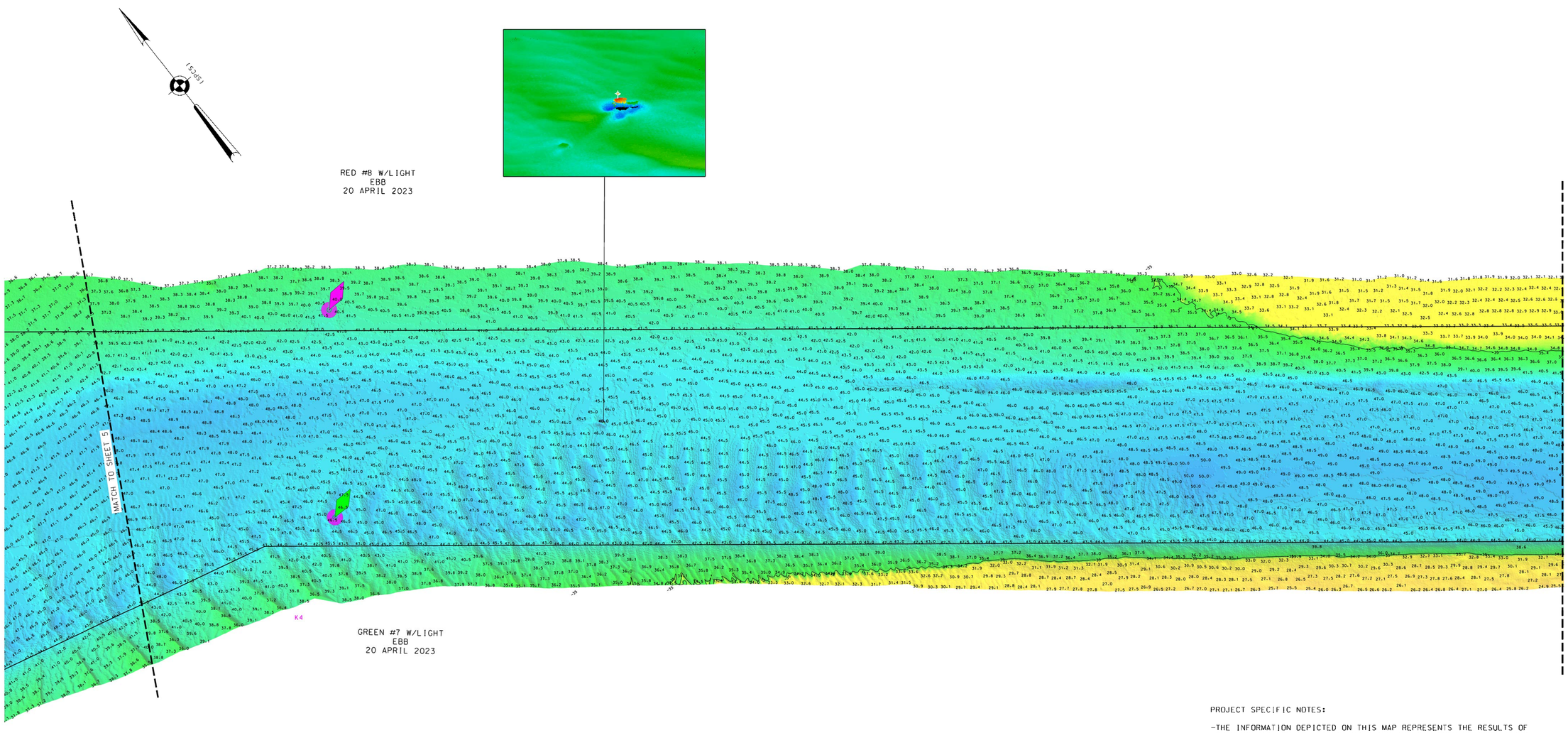
OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

SANDY HOOK CHANNEL
NEW YOR LHARBOR

CONDITION SURVEY

VH-105

5 OF 9



0 200' 400'

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LOCAL CONTROL DATA	NSRS BENCHMARK
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ELEVATION: 6.85' (NAVD 1988)	ELEVATION: 6.92' (NAVD 1988)

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	FA/JHS/CM	
WP	CB	

DATES OF SURVEY:
13, 17-20 APRIL 2023
24-25 APRIL 2023

SCALE: ONE INCH = 200 FEET

FIELD BOOKS: N/A

REQ. NO./FILE NO.: 5385/0/N2/N3

APPROVED: P. KEARNS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF SURVEY SUPPORT SECTION
APPROVED: J. MEALE, DEPUTY CHIEF SURVEYS AND MAPPING BRANCH
DATE: 1 MAY 2023

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

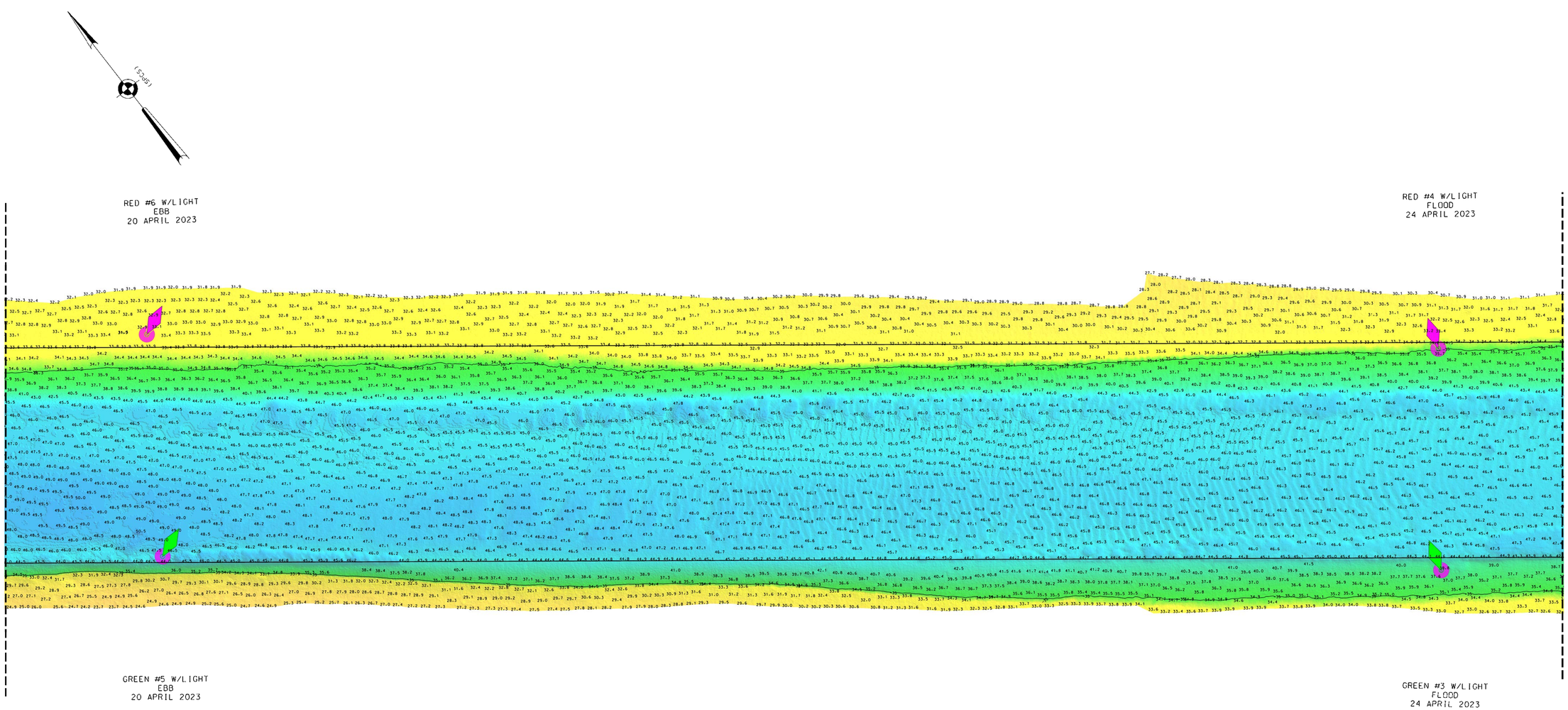
OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

SANDY HOOK CHANNEL
NEW YORK HARBOR

CONDITION SURVEY

VH-106

6 OF 9



0 200' 400'

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	FA/JHS/CM	
WP	CB	

DATES OF SURVEY:
13, 17-20, APRIL 2023
24-25 APRIL 2023

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

REQ. NO./FILE NO.: 5295/0/N2/143

APPROVED: P. KEARNS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIRAZ, DEPUTY CHIEF, SURVEYS AND MAPPING BRANCH
DATE: MAY 2023

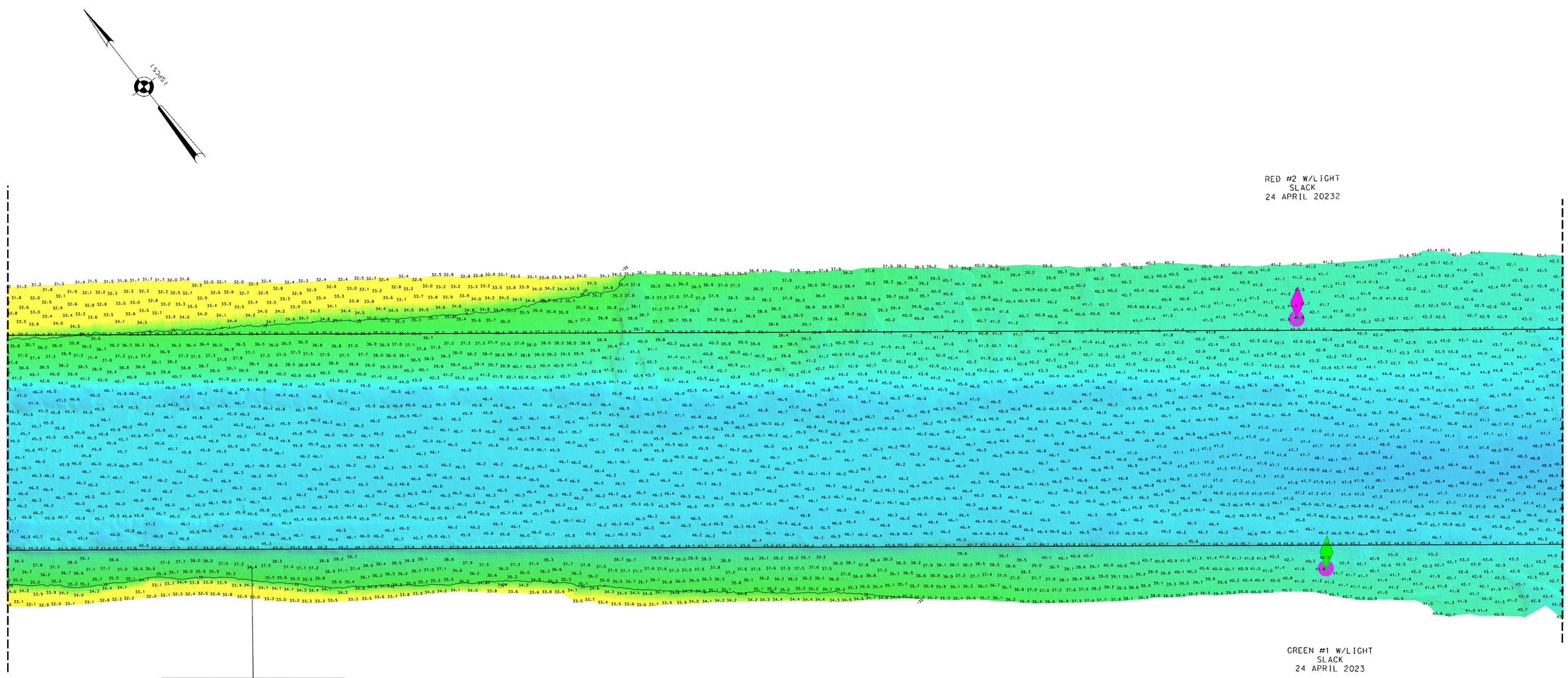
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

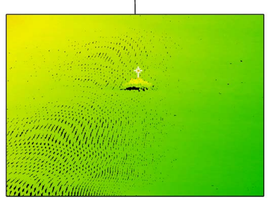
OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

SANDY HOOK CHANNEL
NEW YORK HARBOR

CONDITION SURVEY

VH-107





0 200' 400'

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PRP	FA/JHS/CM	
WMP	CB	

DATES OF SURVEY:
13, 17-20, APRIL 2023
24-25 APRIL 2023

SCALE: ONE INCH = 200 FEET

FIELD BOOKS: N/A

REQ. NO./FILE NO.: 5193/0/N2/N3

APPROVED: P. KEARNS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: JOHN MRAZ, DEPUTY CHIEF, SURVEYS AND MAPPING BRANCH
DATE: 1 MAY 2023

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

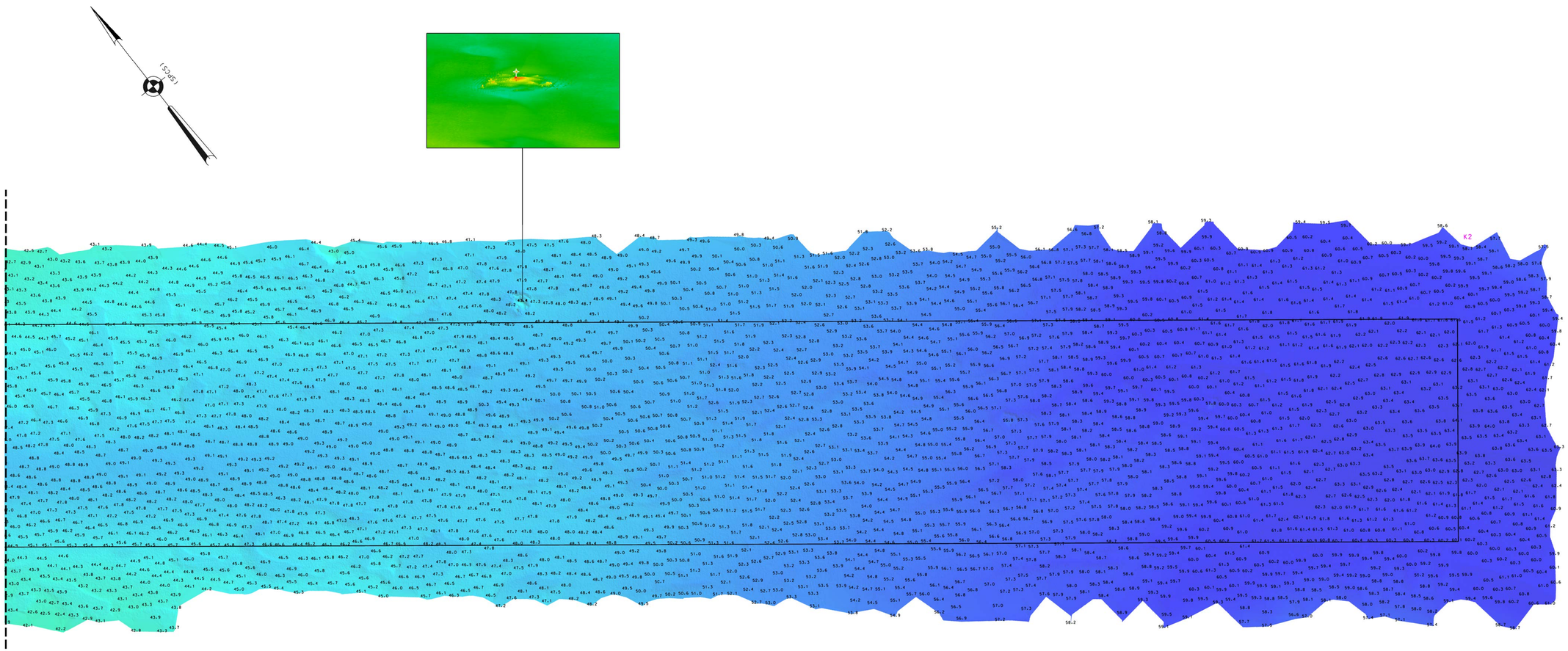
OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

SANDY HOOK CHANNEL
NEW YORK HARBOR

CONDITION SURVEY

VH-108

8 OF 9



PROJECT SPECIFIC NOTES:

- THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS THE GENERAL CONDITIONS EXISTING AT THAT TIME.
- THE SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS.
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.
- COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983. NEW JERSEY MERCATOR - ZONE 2900. US SURVEY FEET.
- SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) [EPOCH 1983-2001].
- MEAN LOWER LOW WATER IS 2.7-2.9 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 4.3).
- SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL. SORTED TO A 45' INTERVAL.
- CONTOURS ON THIS MAP WERE GENERATED USING THE 3 x 3 DATA SET.
- THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- AERIAL IMAGERY PROVIDED BY NJOGIS (2020) AND IS FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "CAVEN POINT".

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: SIMPSON 2 RM 3 (PID:KV0707)	BENCHMARK: SIMPSON 2 (PID:KV0709)
ELEVATION: 6.85' (NAVD 1988)	ELEVATION: 6.92' (NAVD 1988)

0 200' 400'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	FA/JHS/CM	
WP	CB	

DATES OF SURVEY:
13, 17-20, APRIL 2023
24-25 APRIL 2023

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

REQ. NO./FILE NO.: 5193/0/N2/N3

APPROVED: P. KEARNS — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR — CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MICAZ — CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: MAY 2023

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

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

SANDY HOOK CHANNEL
NEW YORK HARBOR

CONDITION SURVEY

VH-109

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