NSRS BENCHMARK	
BENCHMARK: NBAY9	(PID: CM4262)
ELEVATION: 7.27'	(NAVD 1988)

LOCAL CONTROL DATA	
BENCHMARK: NBAY1	(PID:AHG274)
ELEVATION: 7.27'	(NAVD 1988)

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 3.0 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 4.6.1).
- SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL. SORTED TO A 30' 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 NJGIN 2022 AND IS FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "NBAY9".

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	EQ	
MP	SG	

DATES OF SURVEY: 2,3,9,10,12 DEC 2024

SCALE: ONE INCH = 1000 FEET

FIELD BOOKS: DNA 10

REQ. NO./FILE NO.: 5521/0/N2/N4

APPROVED: P. KEARNS/J. MCKELVEY, FIELD CARTOGRAPHER
APPROVED: B. HIGGINS, LEAD CARTOGRAPHER
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MEAZ, CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 13 JANUARY 2025

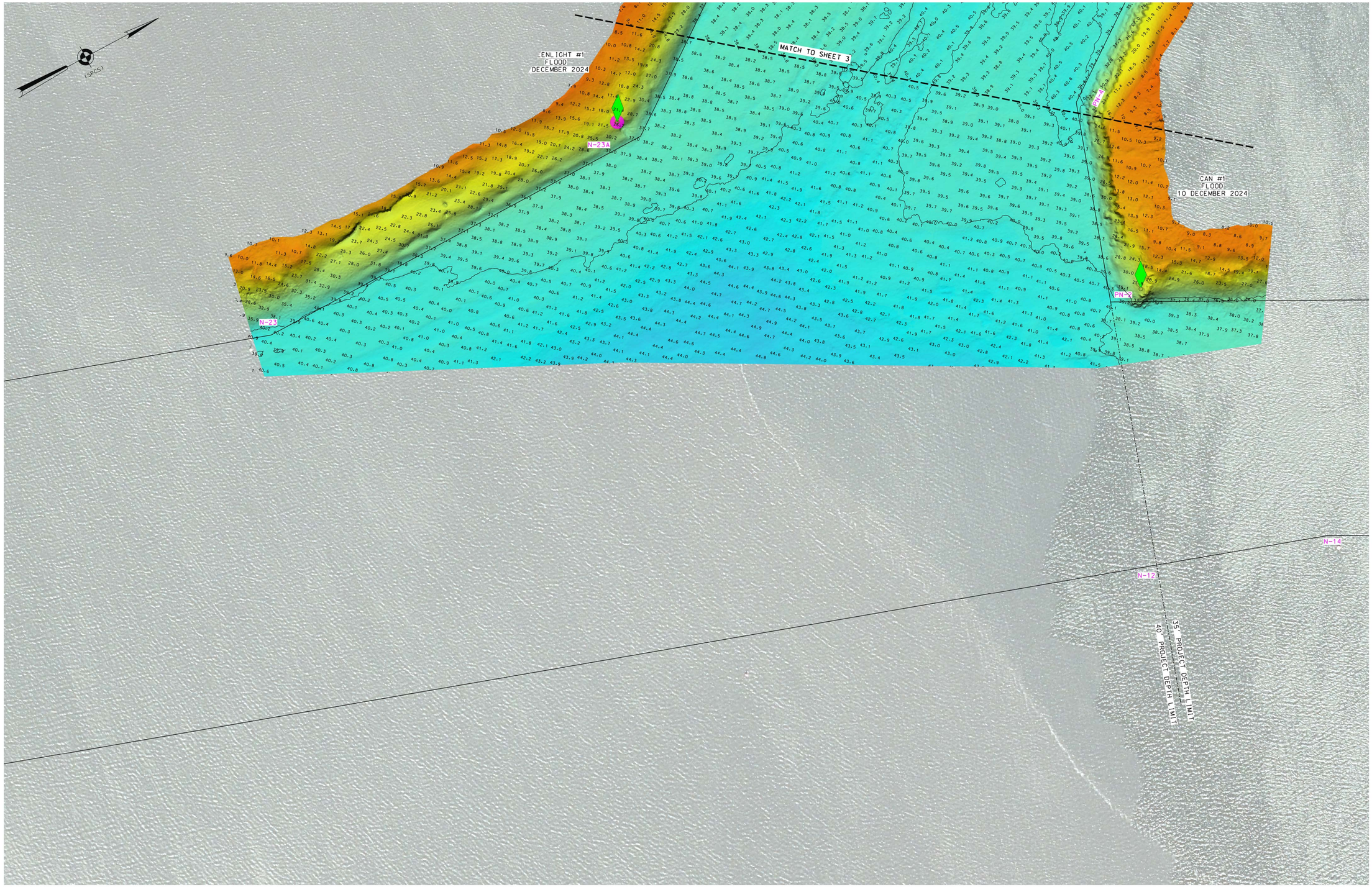
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

NEWARK BAY, HACKENSACK, & PASSAIC
PORT NEWARK CHANNEL
NEW JERSEY
CONDITION SURVEY

VH-101

1 OF 7



0 100' 200'

*FOR PROJECT SPECIFIC NOTES AND CONTROL, REFER TO SHEET VH-101

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

		PR	EQ
		MP	SG

DATES OF SURVEY:
2,3,9,10,12 DEC 2024

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 15521/0/N2/N4

APPROVED: P. KEARNS/J. MCKELVEY
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MEAZ
CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 13 JANUARY 2025

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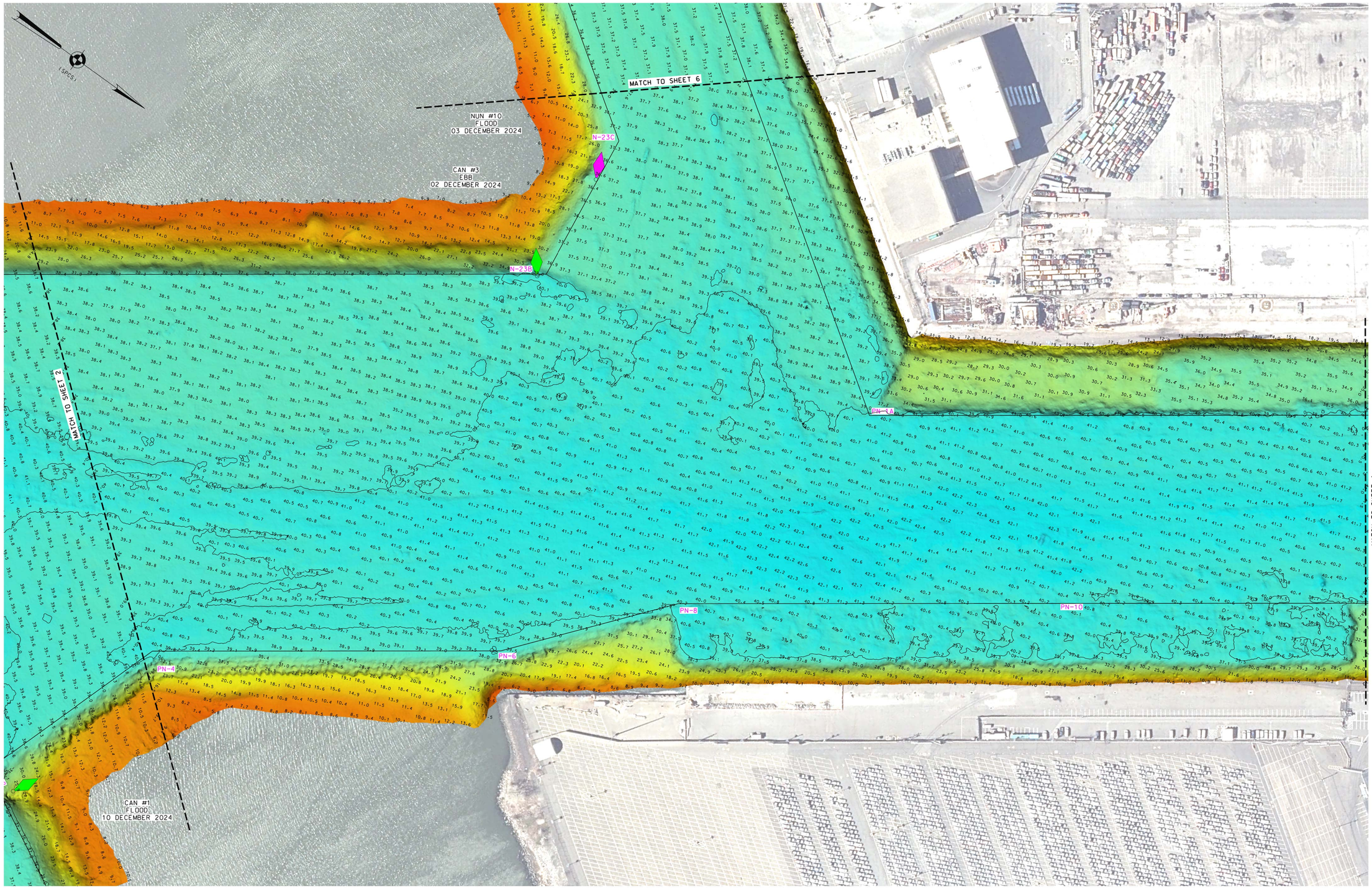
CENAN-OP-SS

NEWARK BAY, HACKENSACK, & PASSAIC RIVERS
PORT NEWARK CHANNEL
NEW JERSEY
CONDITION SURVEY

VH-102



*FOR PROJECT SPECIFIC NOTES AND CONTROL, REFER TO SHEET VH-101

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	WP	EQ
		SG

DATES OF SURVEY:
2,3,9,10,12 DEC 2024

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 5521/0/N2/N4

APPROVED: P. KEARNS/J. MCKELVEY
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIKE
CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 13 JANUARY 2025

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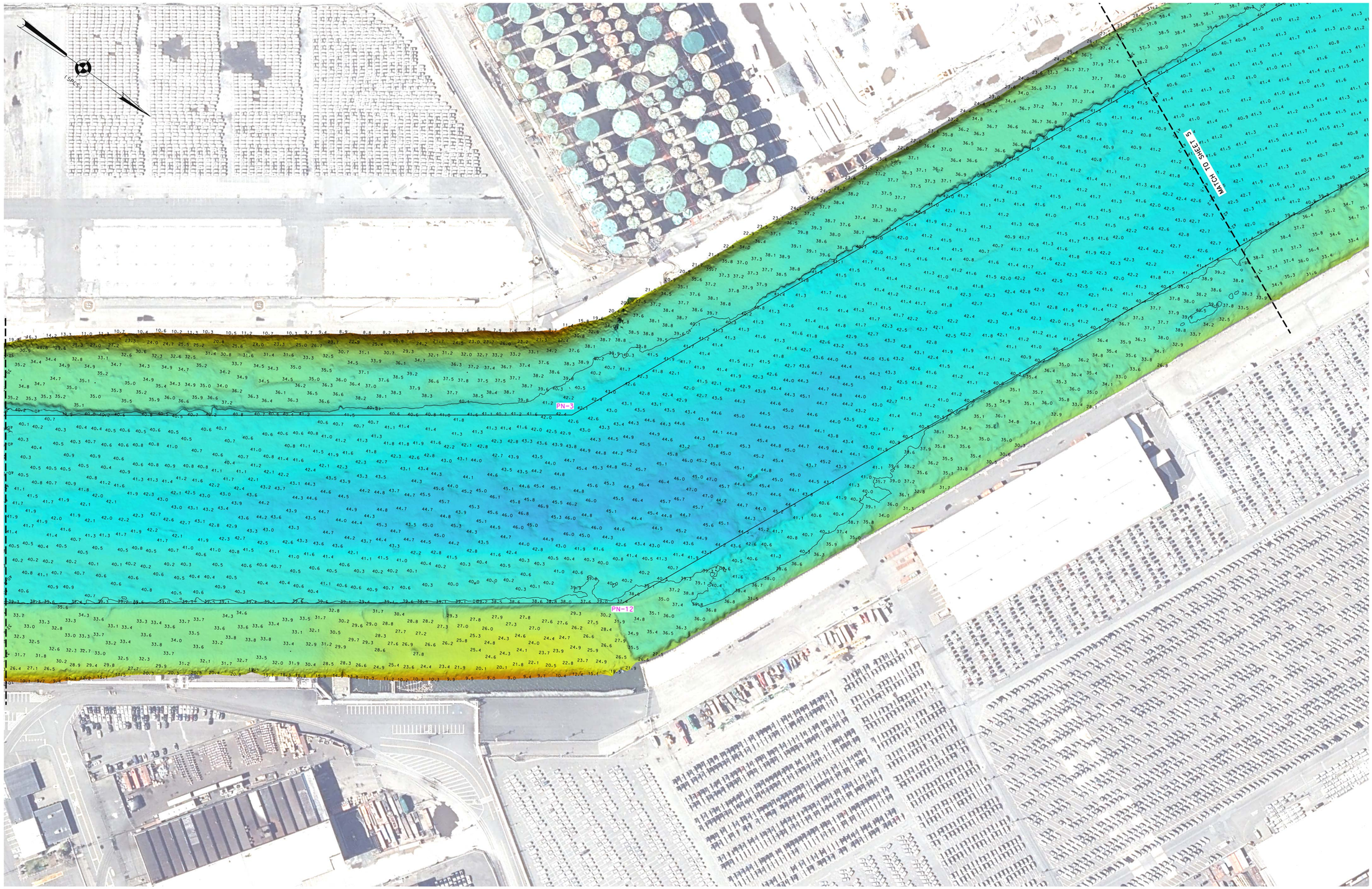
CENAN-OP-SS

NEWARK BAY, HACKENSACK, & PASSAIC RIVERS
PORT NEWARK CHANNEL
NEW JERSEY
CONDITION SURVEY

VH-103

3 OF 7



*FOR PROJECT SPECIFIC NOTES AND CONTROL, REFER TO SHEET VH-101

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

		PR	EQ
		WP	SG

DATES OF SURVEY: 2,3,9,10,12 DEC 2024

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: DNA 10

REQ. NO./FILE NO.: 5521/0/N2/N4

APPROVED: P. KEARNS/J. MCKELVEY, FIELD CARTOGRAPHER
APPROVED: B. HIGGINS, LEAD CARTOGRAPHER
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: M. MIRAZ, CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 13 JANUARY 2025

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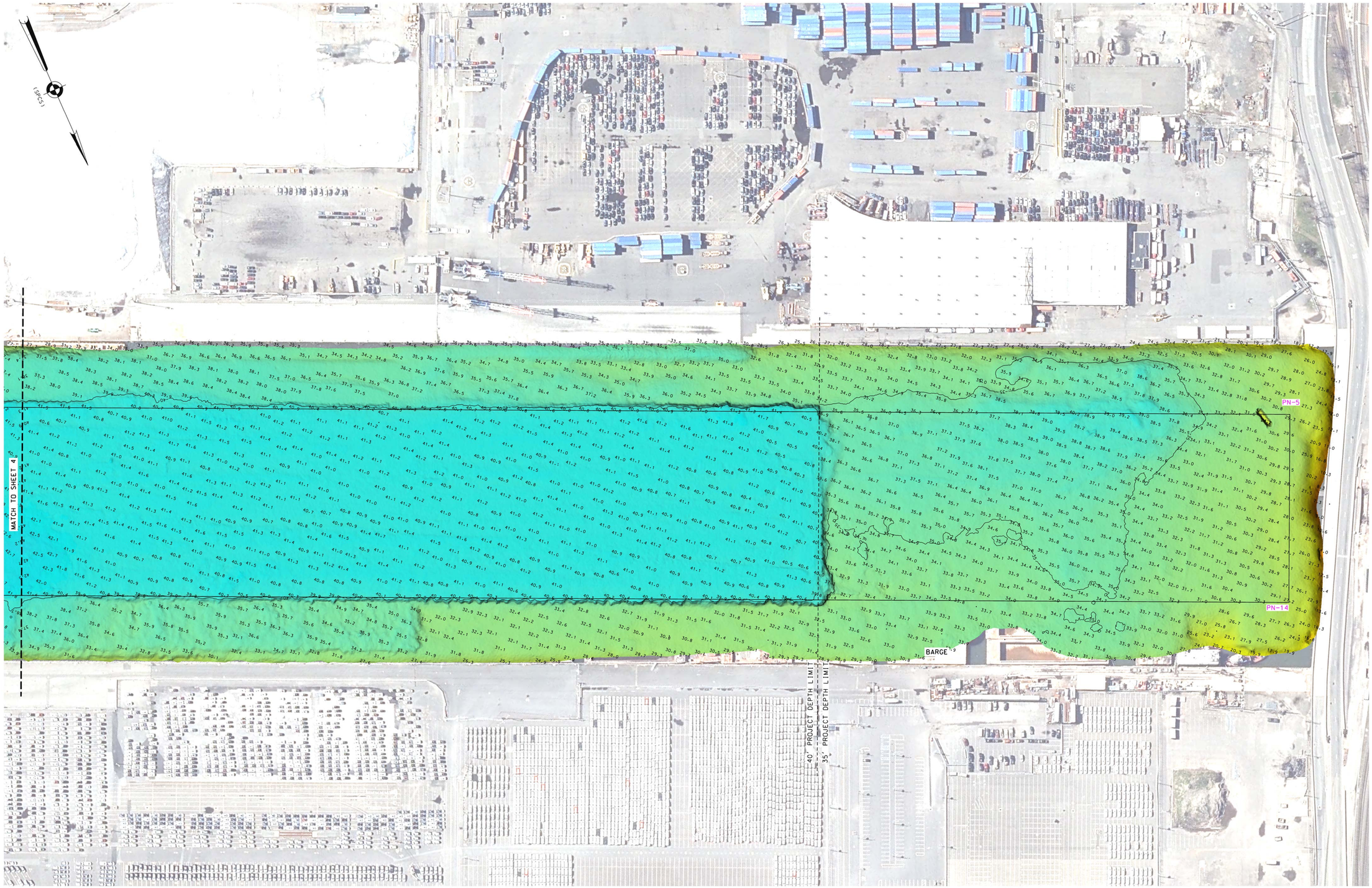
CENAN-OP-SS

NEWARK BAY, HACKENSACK, & PASSAIC RIVERS
PORT NEWARK CHANNEL
NEW JERSEY
CONDITION SURVEY

VH-104



*FOR PROJECT SPECIFIC NOTES AND CONTROL, REFER TO SHEET VH-101

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	EQ	
MP	SG	

DATES OF SURVEY:
2,3,9,10,12 DEC 2024

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 5521/0/N2/N4

APPROVED: P. KEARNS/J. MCKELVEY
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIRAZ
CHIEF, SURVEYS AND MAPPING BRANCH

DATE: 13 JANUARY 2025

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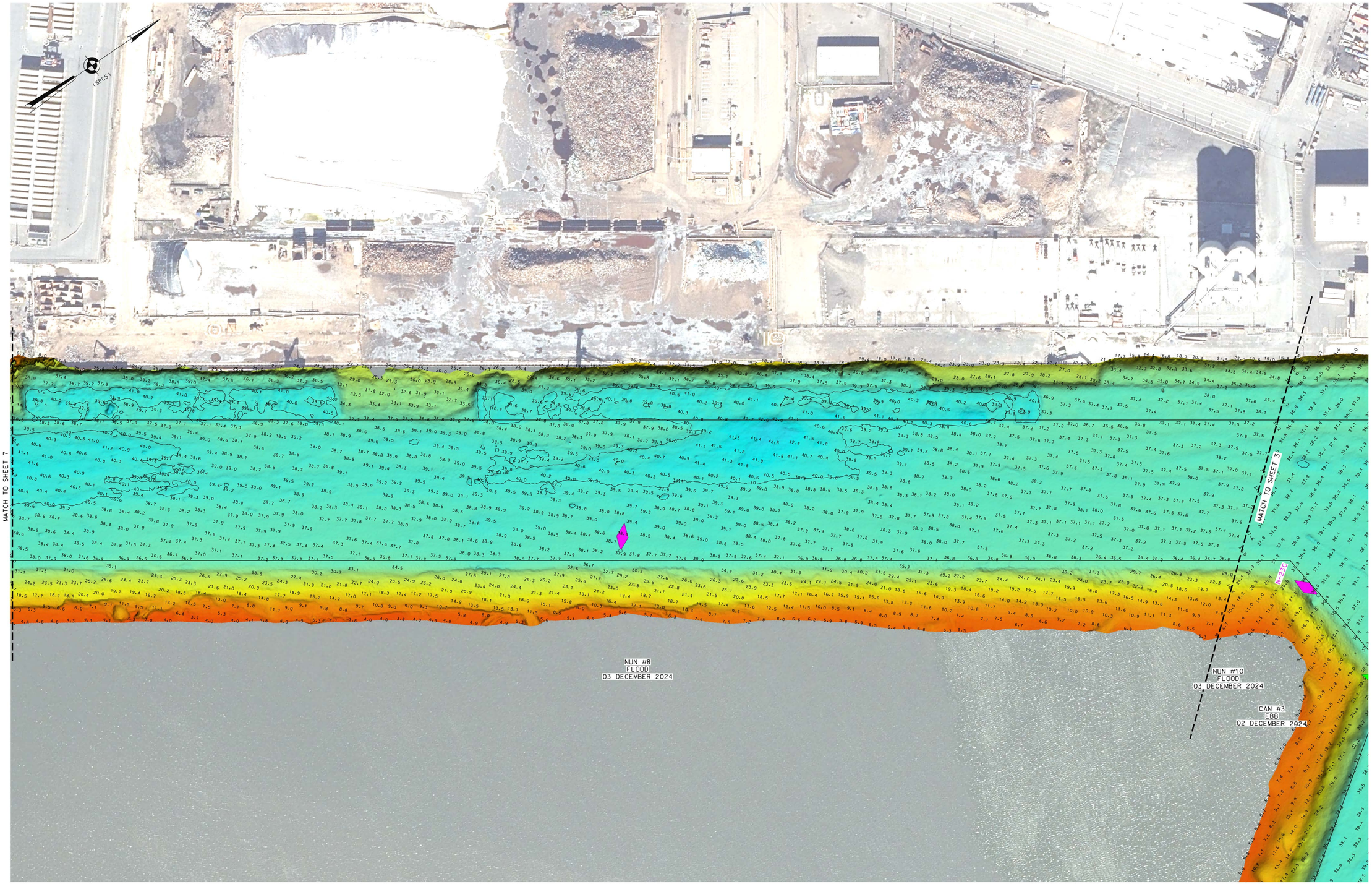
CENAN-OP-SS

NEWARK BAY, HACKENSACK, & PASSAIC RIVERS
PORT NEWARK CHANNEL
NEW JERSEY
CONDITION SURVEY

VH-105



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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	EQ	
MP	SG	

DATES OF SURVEY:
2,3,9,10,12 DEC 2024

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 5521/0/N2/N4

APPROVED: P. KEARNS/J. MCKELVEY
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MEAZ
CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 13 JANUARY 2025

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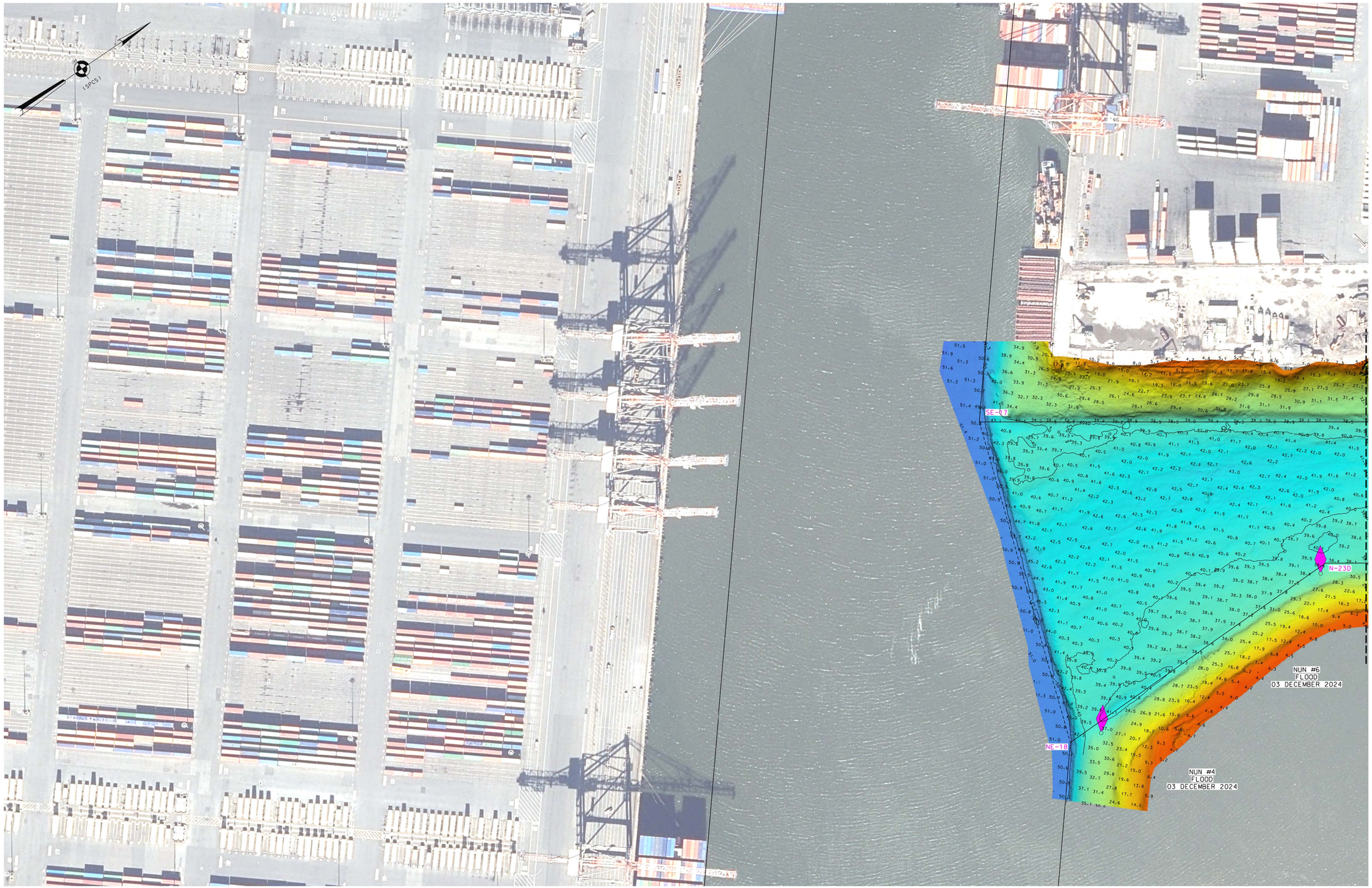
CENAN-OP-SS

NEWARK BAY, HACKENSACK, & PASSAIC RIVERS
PORT NEWARK CHANNEL
NEW JERSEY
CONDITION SURVEY

VH-106



*FOR PROJECT SPECIFIC NOTES AND CONTROL, REFER TO SHEET VH-101

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	EQ	
MP	SG	

DATES OF SURVEY:
2,3,9,10,12 DEC 2024

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.:5521/0/N2/N4

APPROVED: P. KEARNS/J. MCKELVEY
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MEAZ
CHIEF, SURVEYS AND MAPPING BRANCH

DATE: 13 JANUARY 2025

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CONDITION SURVEY

VH-107

7 OF 7