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 NOAA DIGITAL COAST: DATA ACCESS VIEWER (2020) AND IS FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "CAVEN POINT".

0 1000' 2000'

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: NBAY2	BENCHMARK: P 38 (PID:KV0333)
ELEVATION: 7.41' (NAVD 1988)	ELEVATION: 21.93' (NAVD 1988)

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	PR	EQ
	MP	CM

DATES OF SURVEY:
8-9-10 JULY 2024

SCALE:
ONE INCH = 1000 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 5463/N3/N4

APPROVED: J. MCKELVEY, M. MCDERMOTT
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: 23 JULY 2024

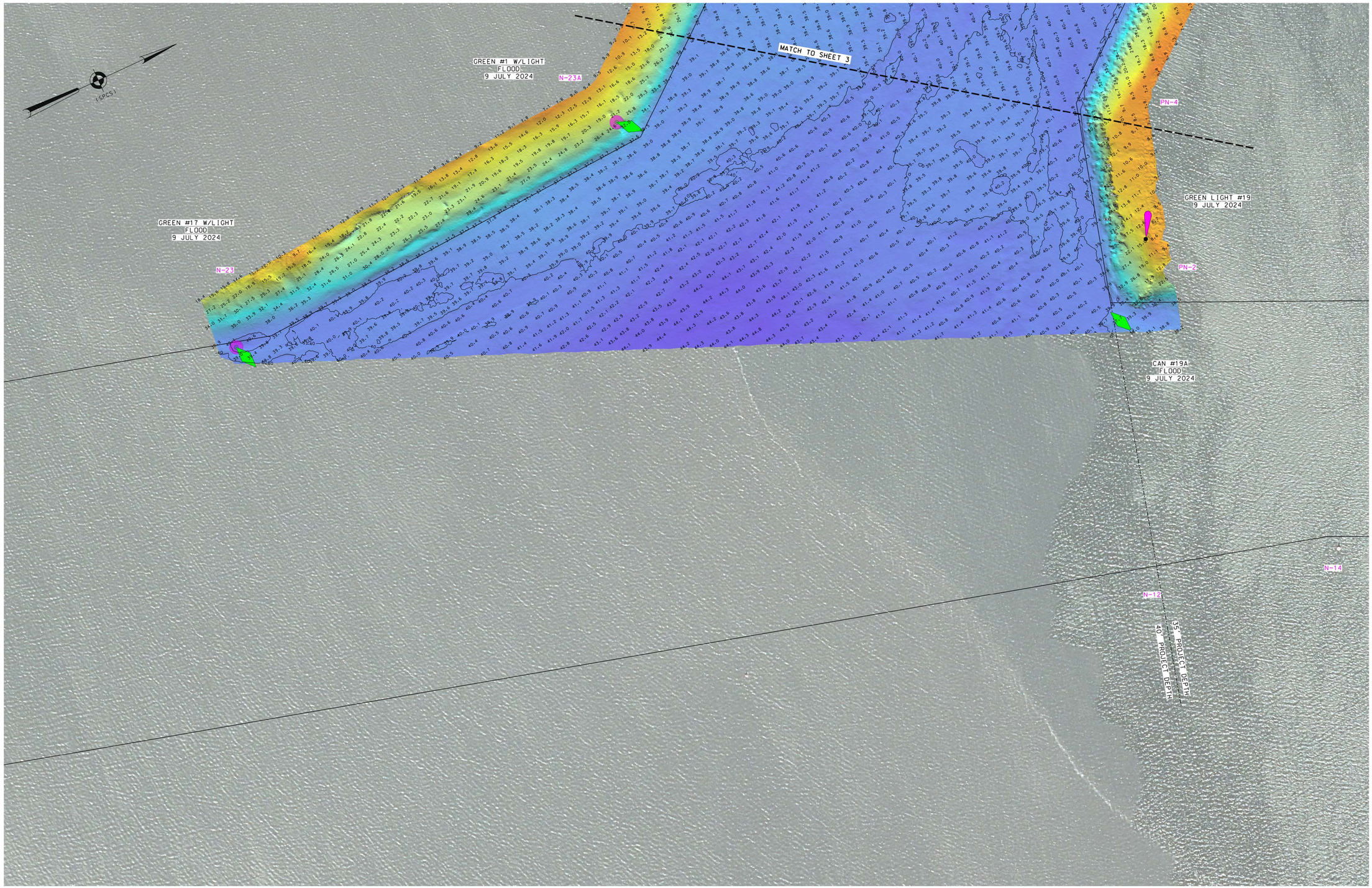
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

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

VH-101

1 OF 5



0 100' 200'

*FOR PROJECT SPECIFIC NOTES REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: NBAY2	BENCHMARK: P 38 (PID:KV0333)
ELEVATION: 7.41' (NAVD 1988)	ELEVATION: 21.93' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	PR	EQ
	WP	CM

DATES OF SURVEY:
8-9-10 JULY 2024

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 5463/N3/N4

APPROVED: J. MCKELVEY, M. MCDERMOTT
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MRAZ
CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 08:07:17 EDT
23 JULY 2024

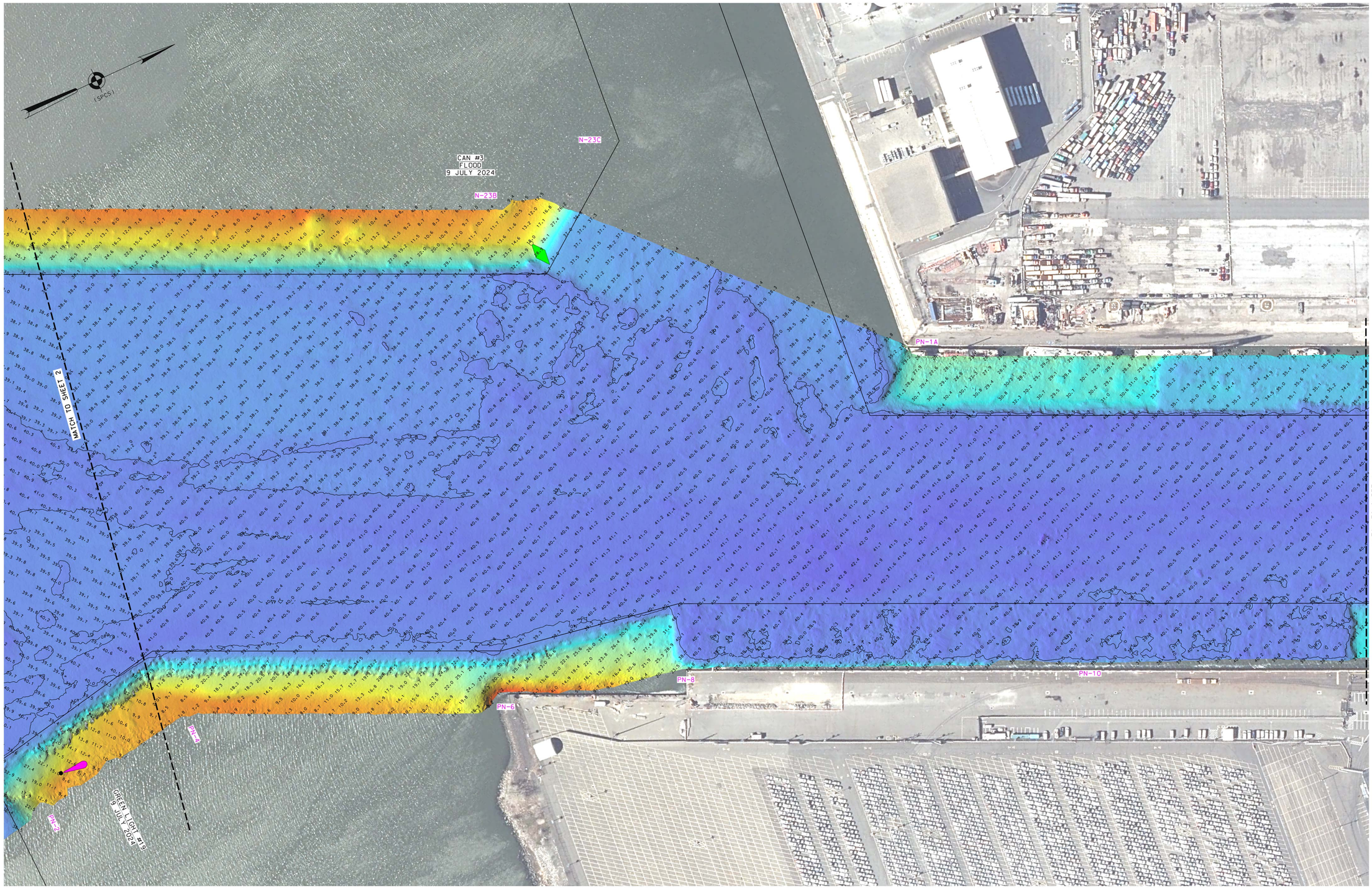
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

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

VH-102

2 OF 5



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*FOR PROJECT SPECIFIC NOTES REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	PR	EQ
	WP	CM

DATES OF SURVEY:
8-9-10 JULY 2024

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 5463/N3/N4

APPROVED: J. MCKELVEY, M. MCDERMOTT
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: 23 JULY 2024

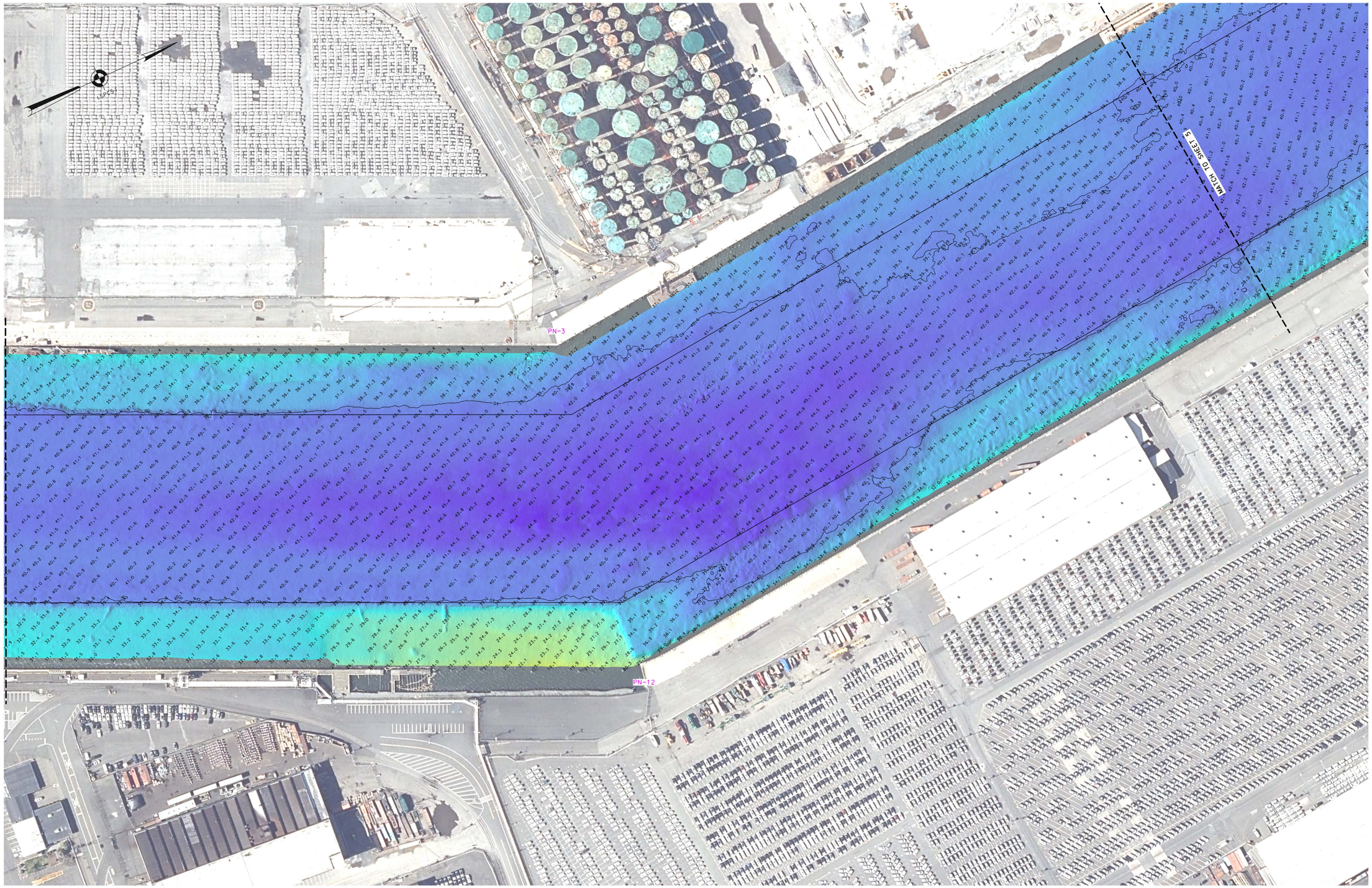
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

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

VH-103

3 OF 5



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*FOR PROJECT SPECIFIC NOTES REFER TO SHEET VH-101

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

		PR	EQ
		WP	CM

DATES OF SURVEY: 8-9-10 JULY 2024

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: DNA 10

REQ. NO./FILE NO.: 5463/N3/N4

APPROVED: J. MCKELVEY, M. MCDERMOTT
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MIRAZ
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 23 JULY 2024

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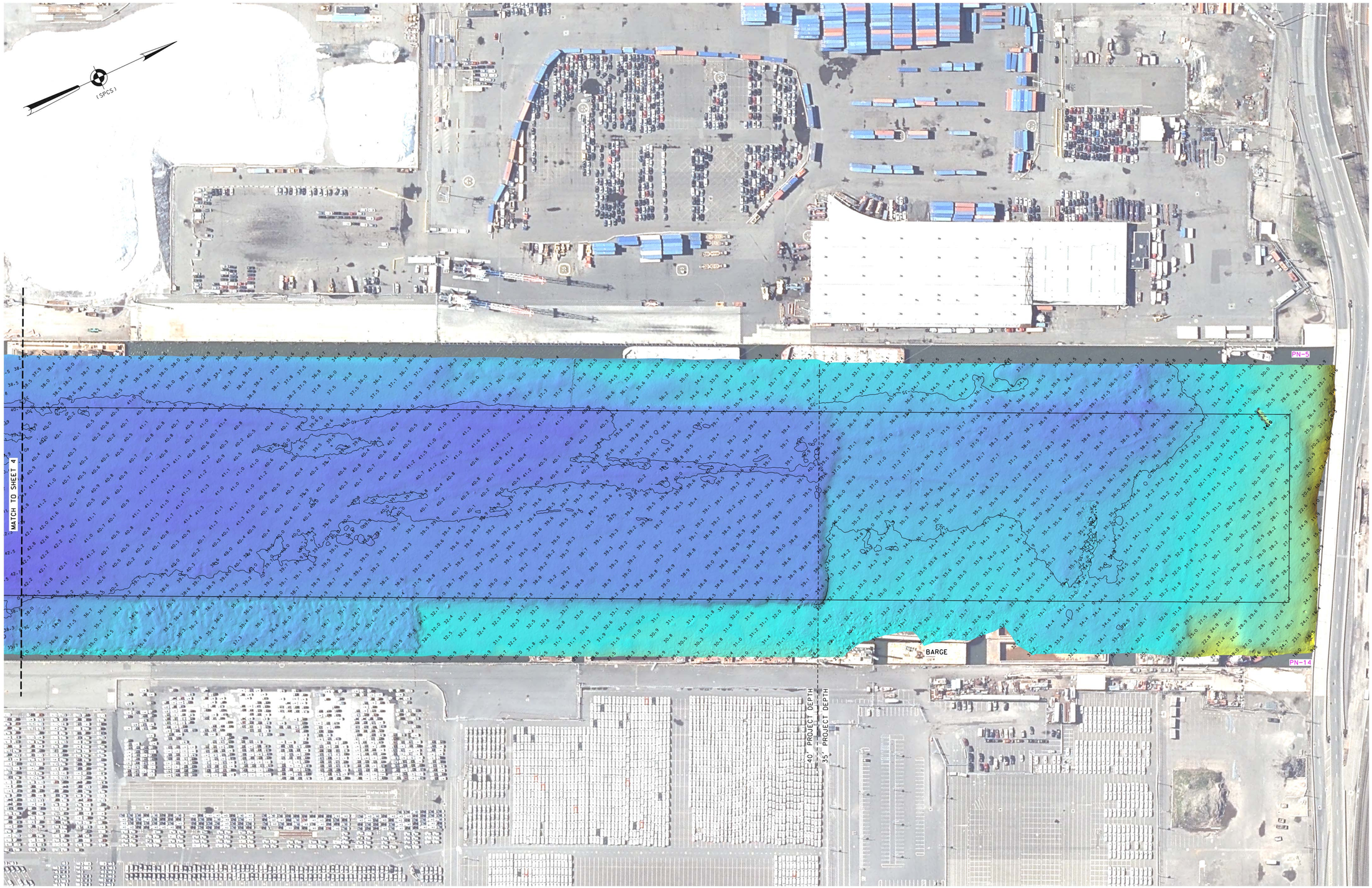
CENAN-OP-SS

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

VH-104



0 100' 200'

*FOR PROJECT SPECIFIC NOTES REFER TO SHEET VH-101

LOCAL CONTROL DATA	NSRS BENCHMARK
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NEW YORK DISTRICT

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VH-105

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