

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. 4.8).
-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 "NBA1".

0 1000 2000 Feet

NSRS BENCHMARK	LOCAL CONTROL
BENCHMARK: NBA1 (PID:DS3033)	BENCHMARK: NBA2 (PID:DS3033)
ELEVATION: 7.45' (NAVD 1988)	ELEVATION: 7.45' (NAVD 1988)

US Army Corps of Engineers®

PR: EQ JHS
WP: CAM

DATES OF SURVEY:
26,27,31 AUGUST 2026
1-3,14,18 SEPTEMBER 2026

SCALE:
ONE INCH = 1000 FEET

FIELD BOOKS:
DVA, 10

REQUEST NUMBER: 5736/D/N4

APPROVED: P. KEARNS
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MARQUEZ
CHIEF OF SURVEYS AND MAPPING BRANCH

ISSUE DATE: 28 SEPTEMBER 2026

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

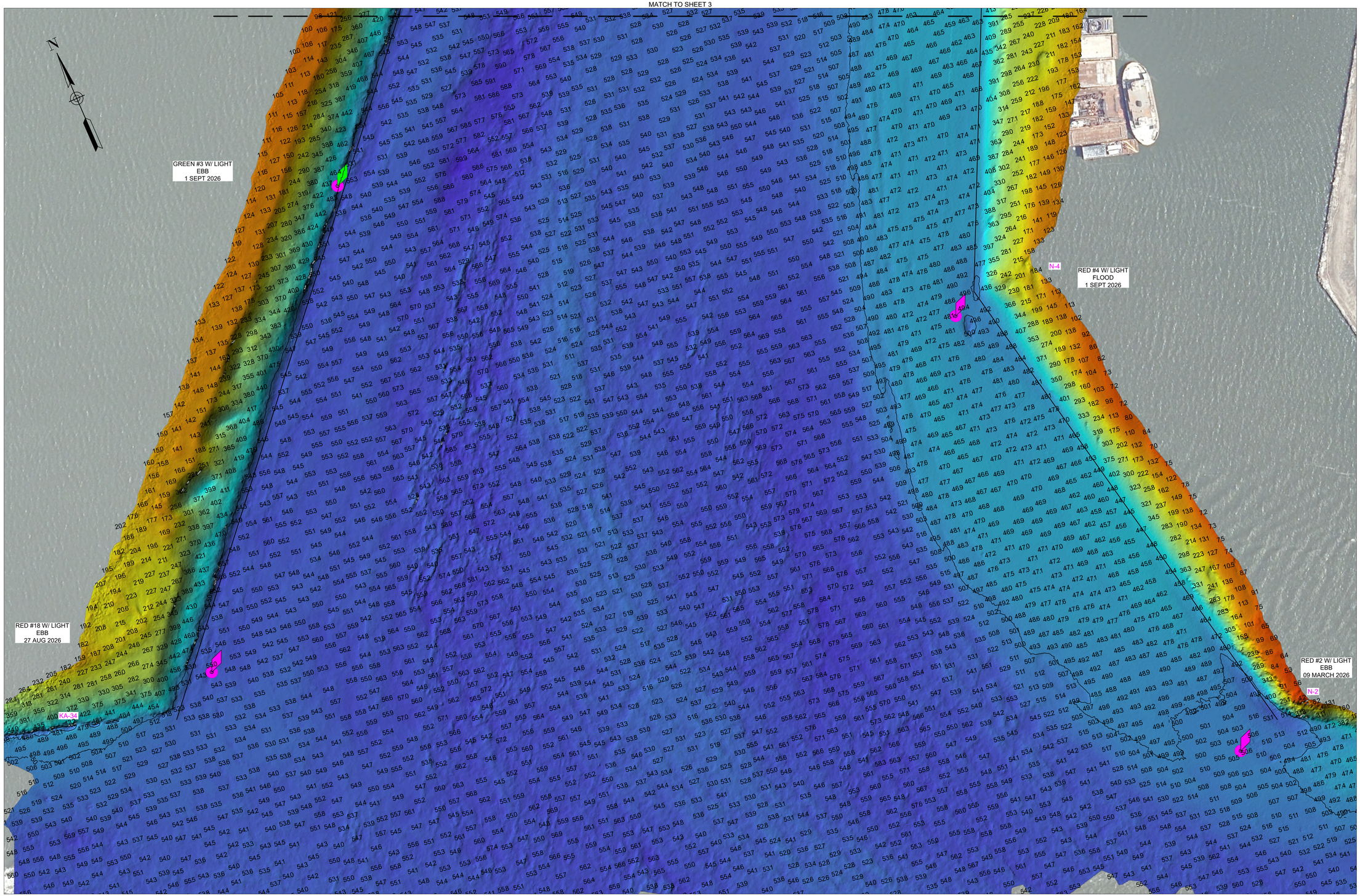
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SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

NEWARK BAY, HACKENSACK, & PASSAIC RIVER
MAIN CHANNEL, PORT NEWARK, PIERHEAD CHANNEL
NEW JERSEY
BEFORE DREDGE SURVEY

VH-101

1 OF 12

MATCH TO SHEET 3



0 100 200 Feet

*FOR PROJECT SPECIFIC NOTES AND CONTROL, REFER TO SHEET VH-1O1.

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PR.	EO JHS
UP.	CAM

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1-3,14,18 SEPTEMBER 2026

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FIELD BOOKS:
DNA 10

REQUEST NUMBER: 5736/D/N4

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FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: M. MAZ
CHIEF OF SURVEYS AND MAPPING BRANCH

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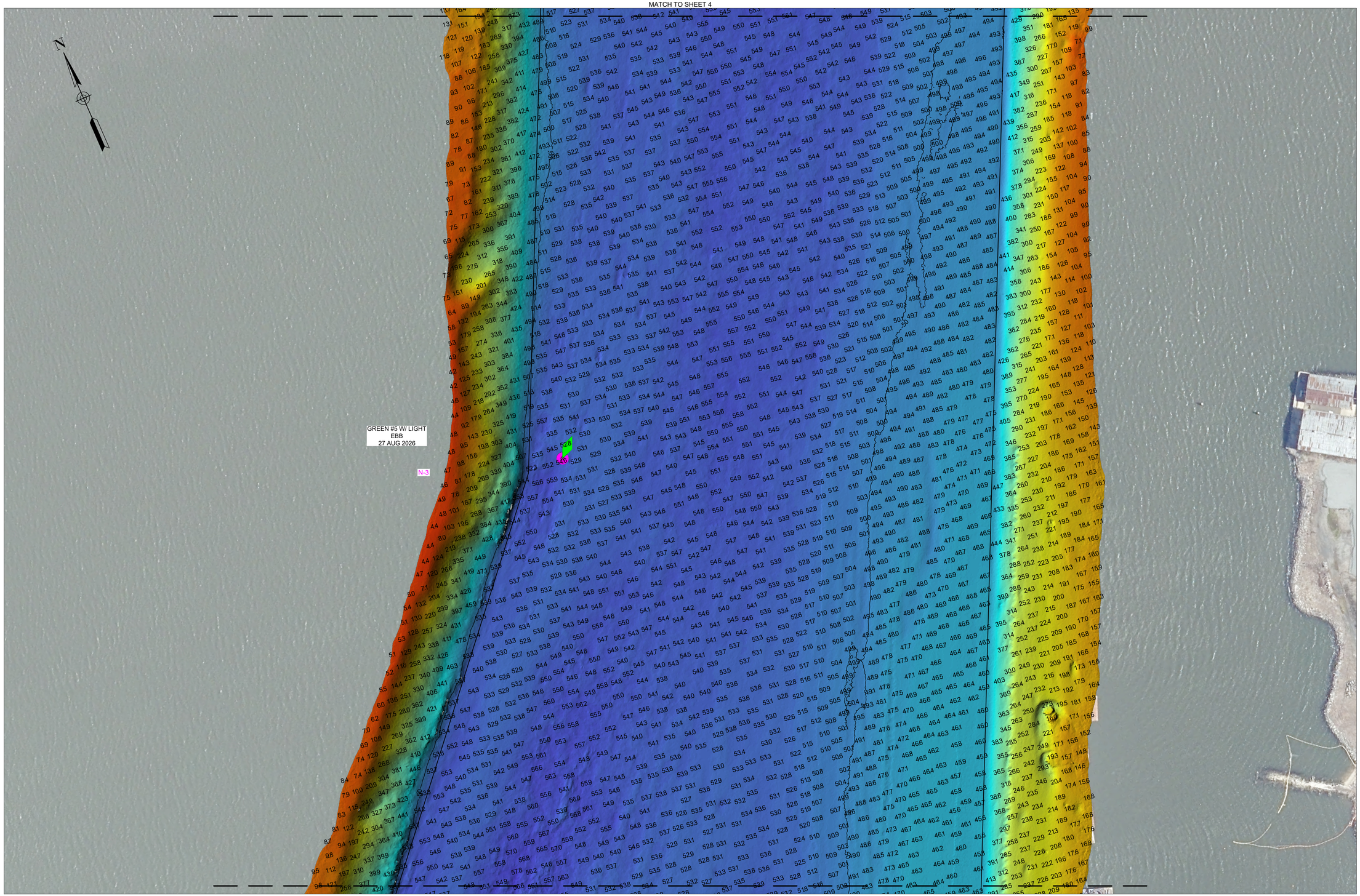
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BEFORE DREDGE SURVEY

VH-102
2 OF 12

MATCH TO SHEET 4



MATCH TO SHEET 2

0 100 200 Feet

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PR:	EO:JHS
VP:	CAM:

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1-3,14,18 SEPTEMBER 2026

REQUEST NUMBER: 5736/DI/N4

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

APPROVED: P. KEARNS
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: M. MAZZ
CHIEF OF SURVEYS AND MAPPING BRANCH

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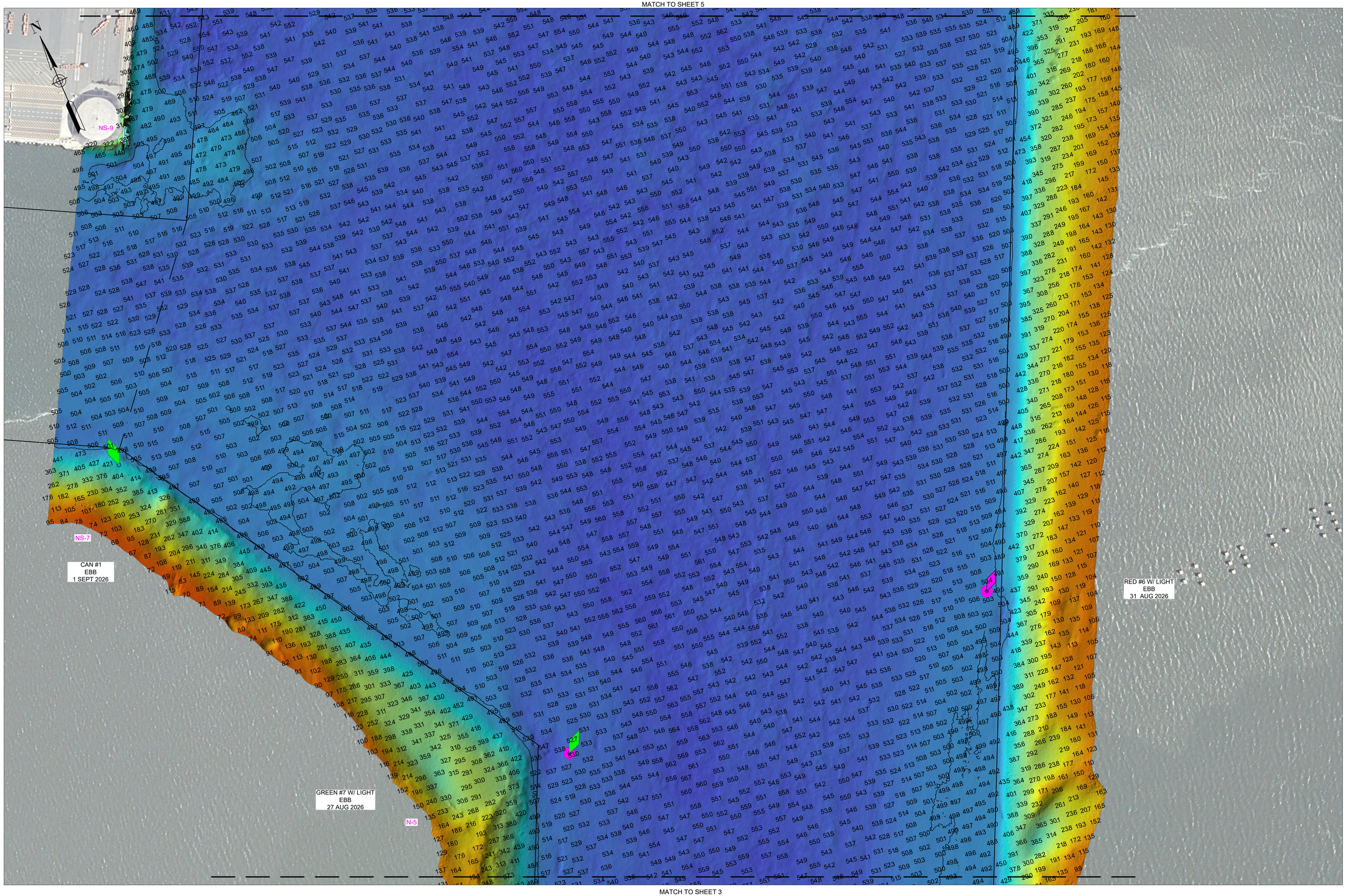
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BEFORE DREDGE SURVEY

VH-103
3 OF 12

MATCH TO SHEET 5



MATCH TO SHEET 3

0 100 200 Feet

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VP:	CAM:

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DNA 10

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APPROVED:	B. HIGGINS	LEAD CARTOGRAPHER
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	J. MAZZ	CHIEF OF SURVEYS AND MAPPING BRANCH
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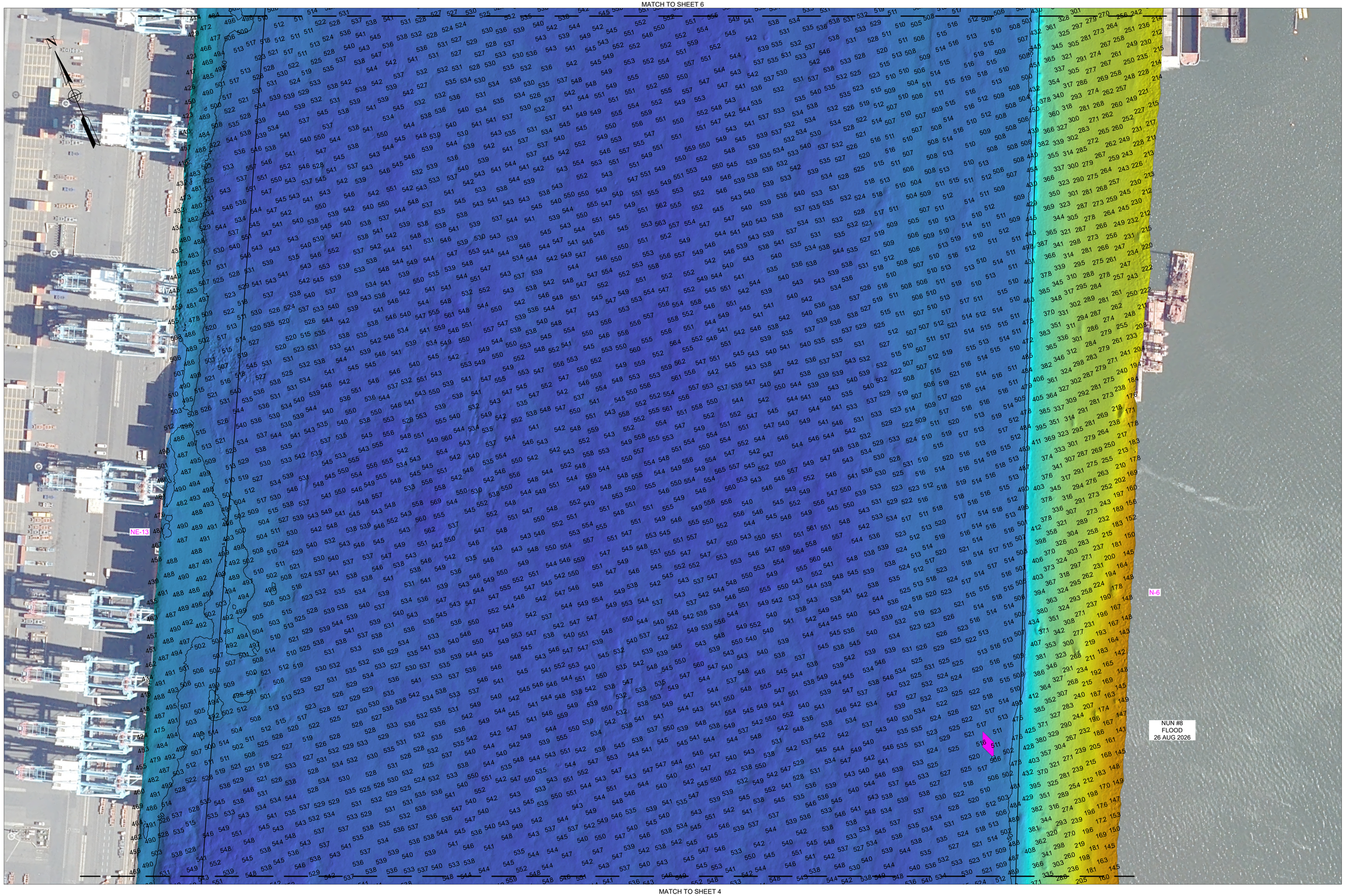
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VH-104

MATCH TO SHEET 6



MATCH TO SHEET 4

0 100 200 Feet

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PR	EQ	JHS
VP	CAM	

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1-3,14,18 SEPTEMBER 2026

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQUEST NUMBER: 5736/DN4

APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	B. HIGGINS	LEAD CARTOGRAPHER
APPROVED:	P. BHADUR	CHIEF SURVEY SUPPORT SECTION
APPROVED:	J. MATZ	CHIEF OF SURVEYS AND MAPPING BRANCH
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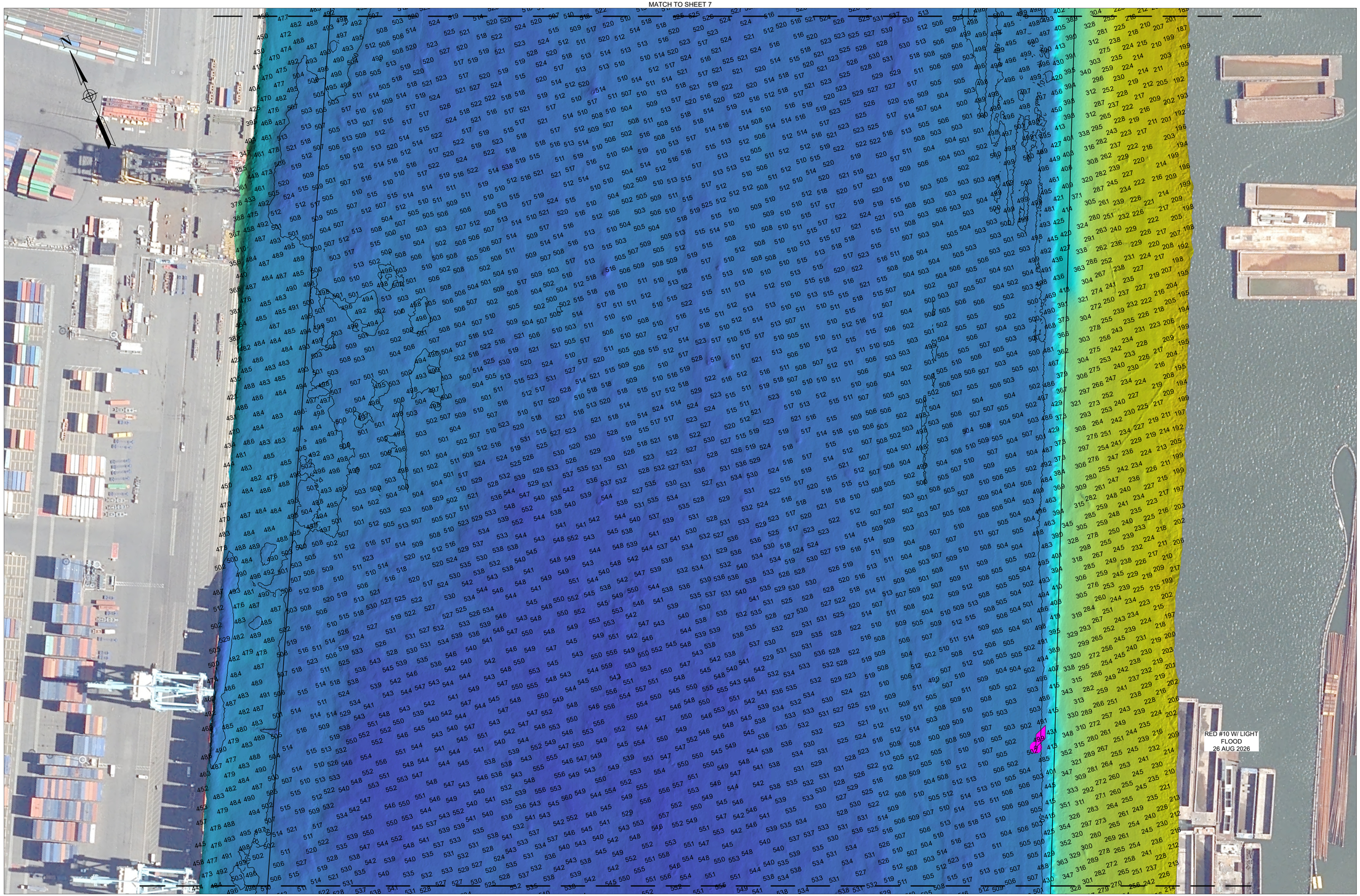
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VH-105
5 OF 12

MATCH TO SHEET 7



MATCH TO SHEET 5

0 100 200 Feet

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PR:	EQ:	JHS
VP:	CAM:	

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DNA 10

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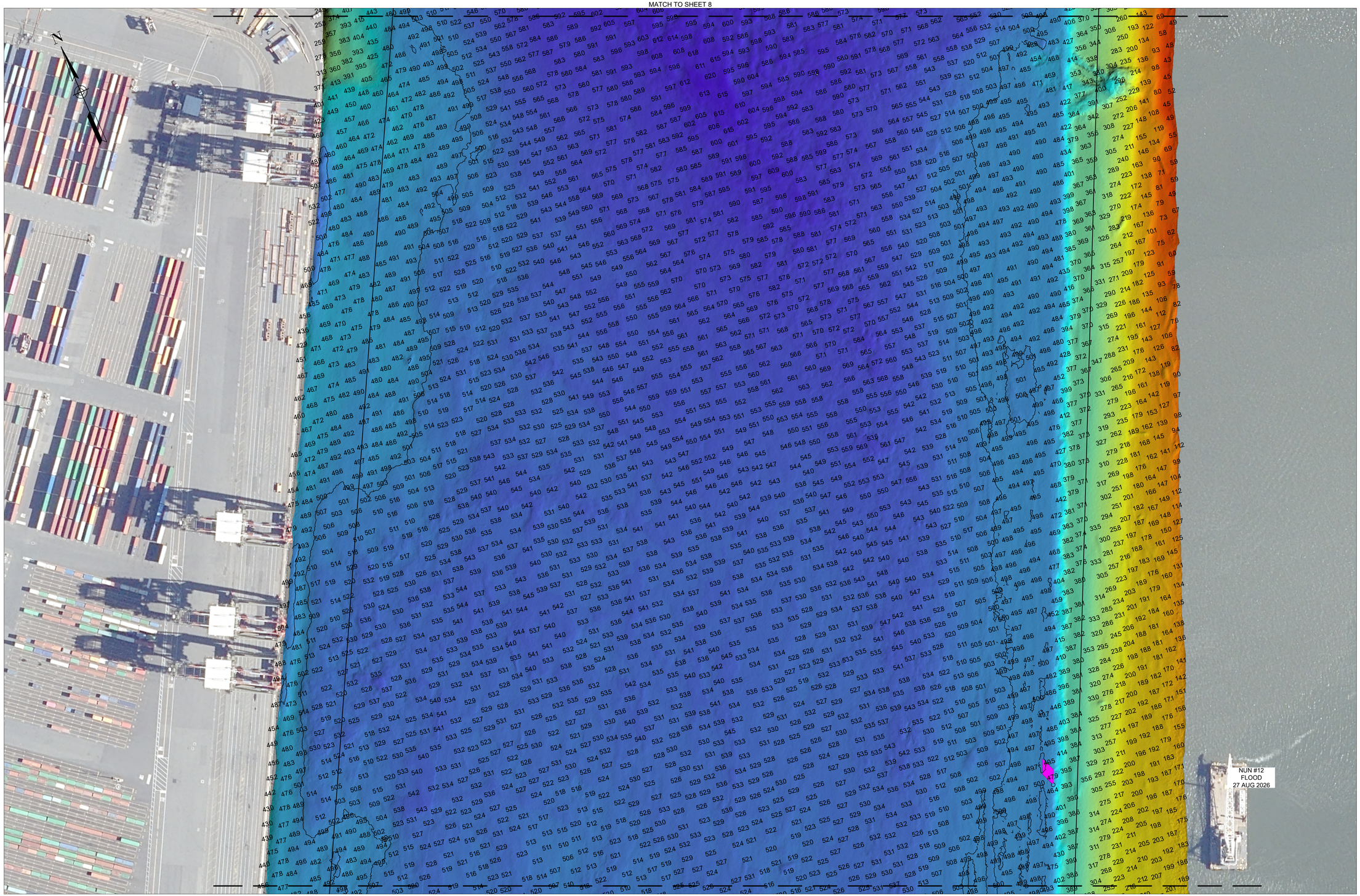
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VH-106
6 OF 12

MATCH TO SHEET 8



MATCH TO SHEET 6

0 100 200 Feet

*FOR PROJECT SPECIFIC NOTES AND CONTROL, REFER TO SHEET VH-1O1.

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PR: EO,JHS
VP: CAM

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FIELD BOOKS:
DNA 10

REQUEST NUMBER: 5736/D/N4

APPROVED: P. KEARNS
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
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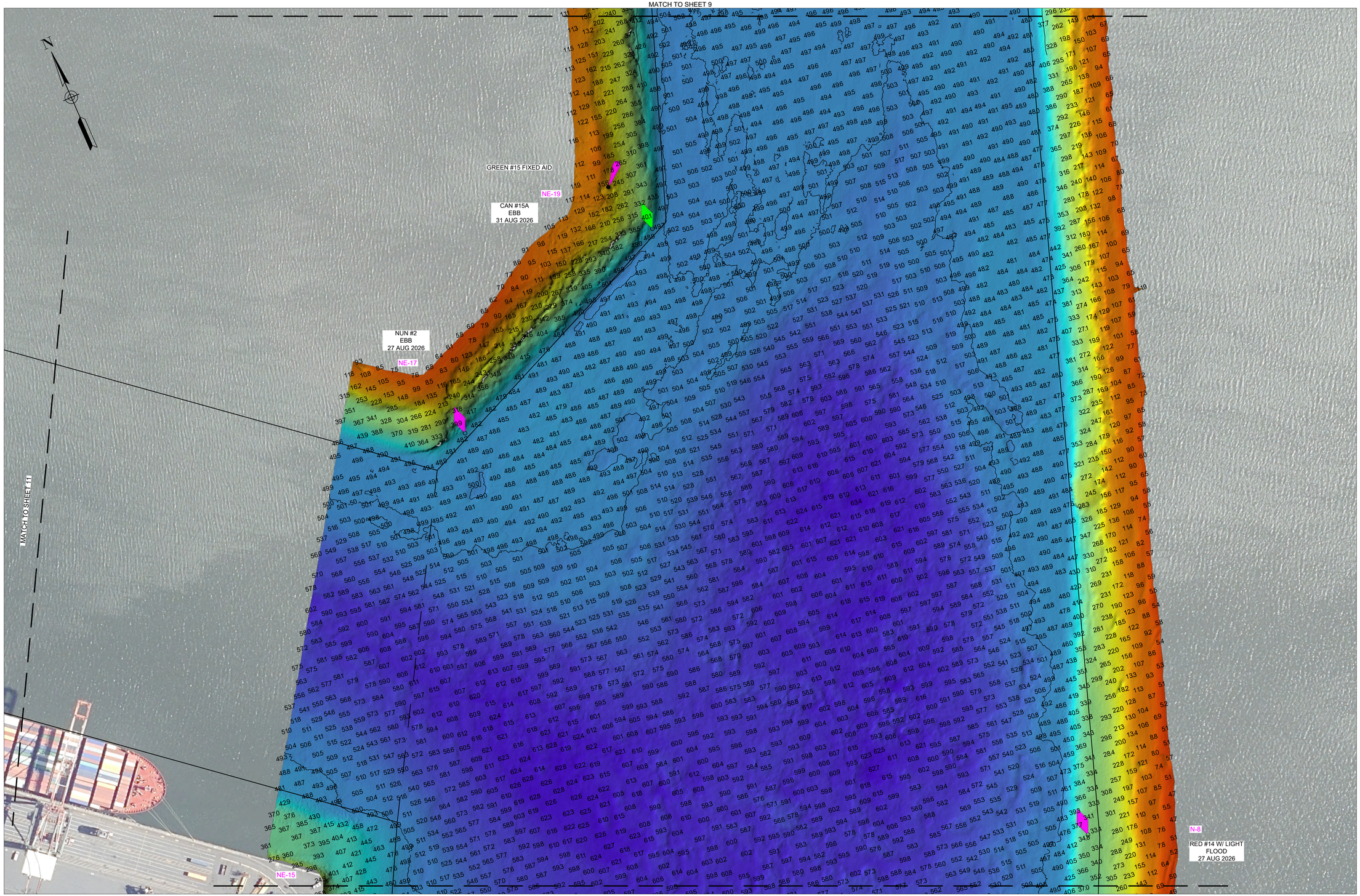
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VH-107
7 OF 12

MATCH TO SHEET 9



MATCH TO SHEET 7

0 100 200 Feet

*FOR PROJECT SPECIFIC NOTES AND CONTROL, REFER TO SHEET VH-1O1.

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PR	EO	JHS
MP		CAM

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VH-108
8 OF 12

MATCH TO SHEET 10

N-23

GREEN #17 W/ LIGHT
SLACK
31 AUG 2026

NUN #16
SLACK
31 AUG 2026

N-10

40' PROJECT DEPTH

50' PROJECT DEPTH

N-21

MATCH TO SHEET 8

0 100 200 Feet

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UP: CAM

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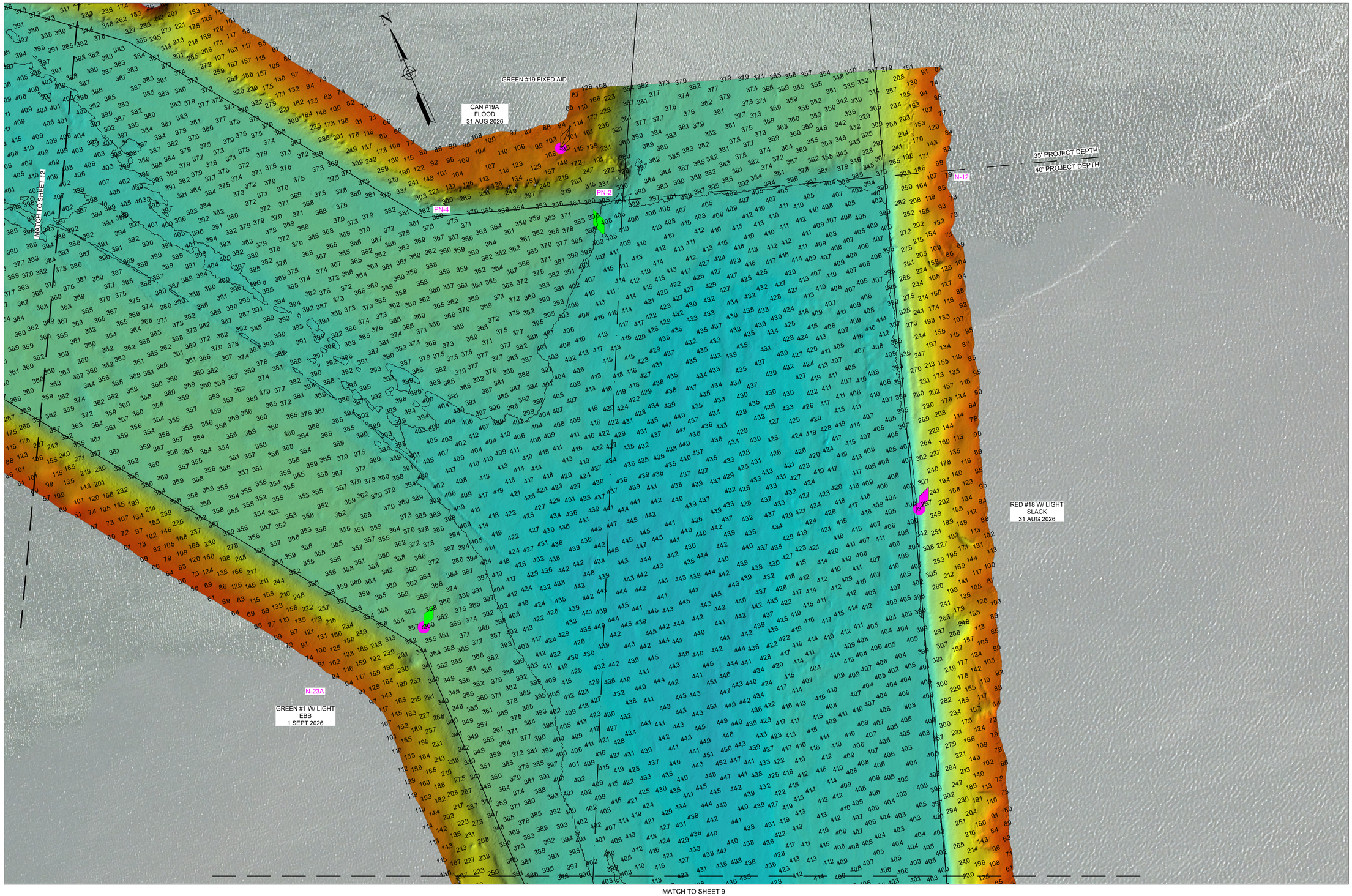
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VH-109

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*FOR PROJECT SPECIFIC NOTES AND CONTROL, REFER TO SHEET VH-1O1.

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PR	EO JHS
UP	CAM

SCALE: ONE INCH = 100 FEET

DATES OF SURVEY: 26,27,31 AUGUST 2026; 1-3,14,18 SEPTEMBER 2026

FIELD BOOKS: DNA 10

REQUEST NUMBER: 5736/D/N4

APPROVED: P. KEARNS, FIELD CARTOGRAPHER

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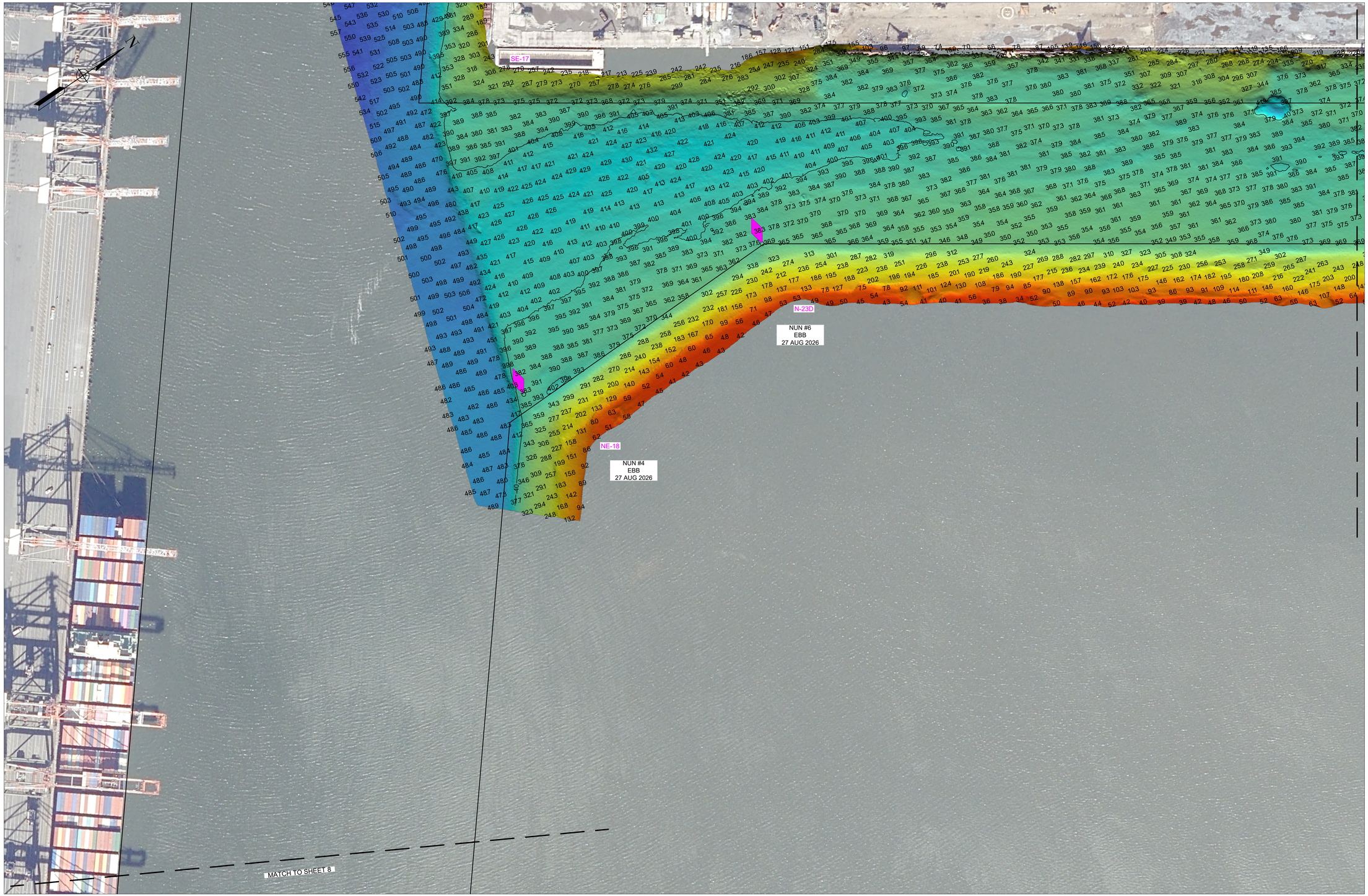
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NEW JERSEY
BEFORE DREDGE SURVEY

VH-110

10 OF 12



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PR	EQ JJHS
UP	CAM

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VH-111

11 OF 12

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MP	CAM

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VH-112
12 OF 12