

0 1000 2000 4000 Feet

1:24000

NSRS BENCHMARK	LOCAL CONTROL
BENCHMARK: RTK ELIZ PARK (PID:CM4261)	BENCHMARK: AK 2
ELEVATION: 13.69' NAVD88	ELEVATION: 20.39' NAVD88

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 3.0-3.3 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 2023 AND IS FOR ORIENTATION PURPOSES ONLY.
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "ELIZ PARK".

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	PR	CAM.EO
	MP	CAM

DATES OF SURVEY:
1,10,15-18 DECEMBER 2025
5, 8 JANUARY 2026

SCALE:
ONE INCH = 2000 FEET

FIELD BOOKS:
DNA 3

REQUEST NUMBER: 5638/D/N3

APPROVED: P. KEARNS
FIELD PHOTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MIRAZ
CHIEF OF SURVEYS AND MAPPING BRANCH

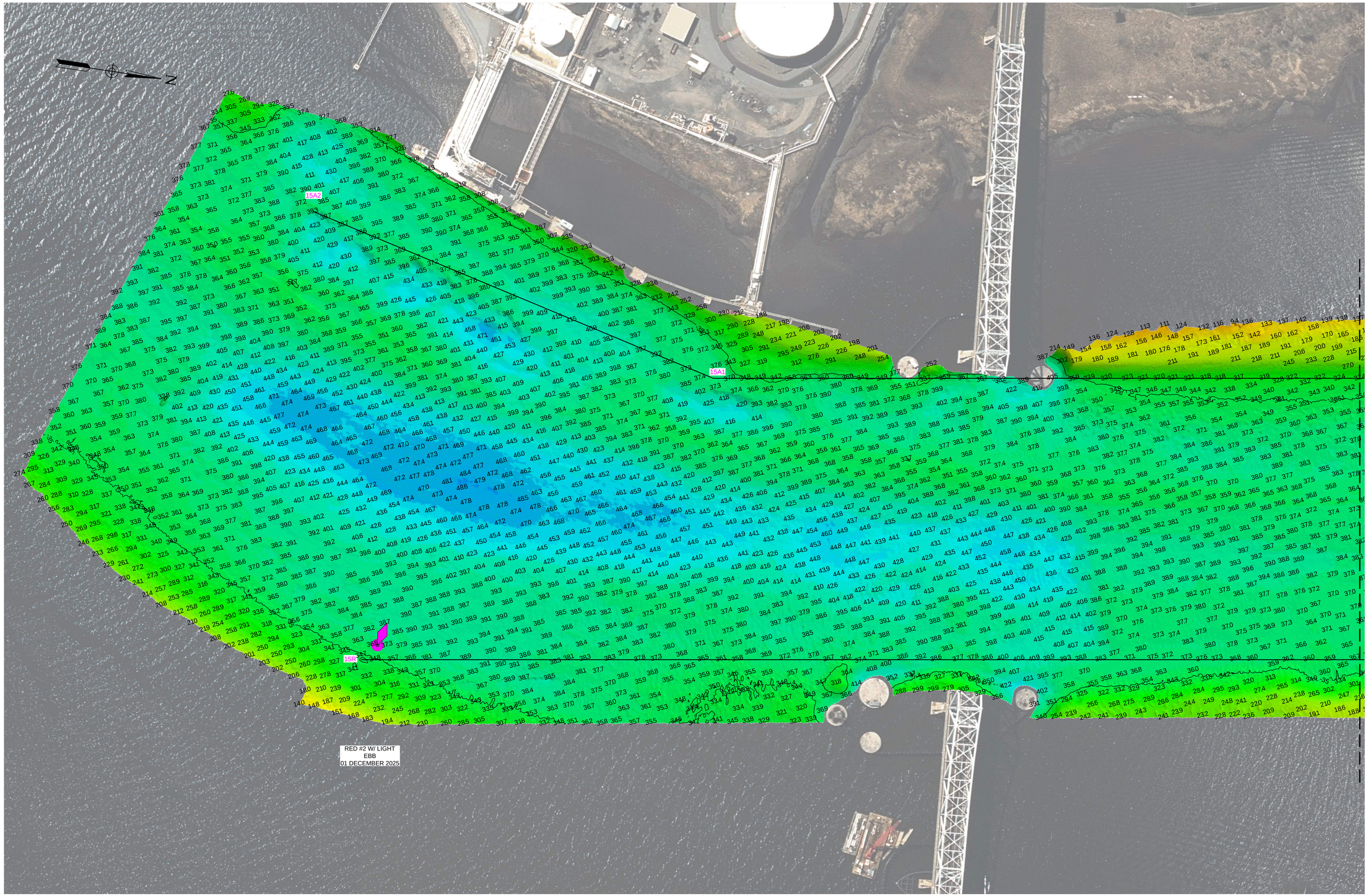
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CENAN-OP-SS

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL CHANNEL
CONDITION SURVEY

VH-101
1 OF 25



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

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PR: CAM,EQ
MP: CAM,CWE

DATES OF SURVEY:
1,10,15,16 DECEMBER 2025
5, 8 JANUARY 2026

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 3

REQUEST NUMBER: 56388/D/N3

APPROVED: P. KEARNS
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MIRAZ
CHIEF OF SURVEY AND MAPPING BRANCH

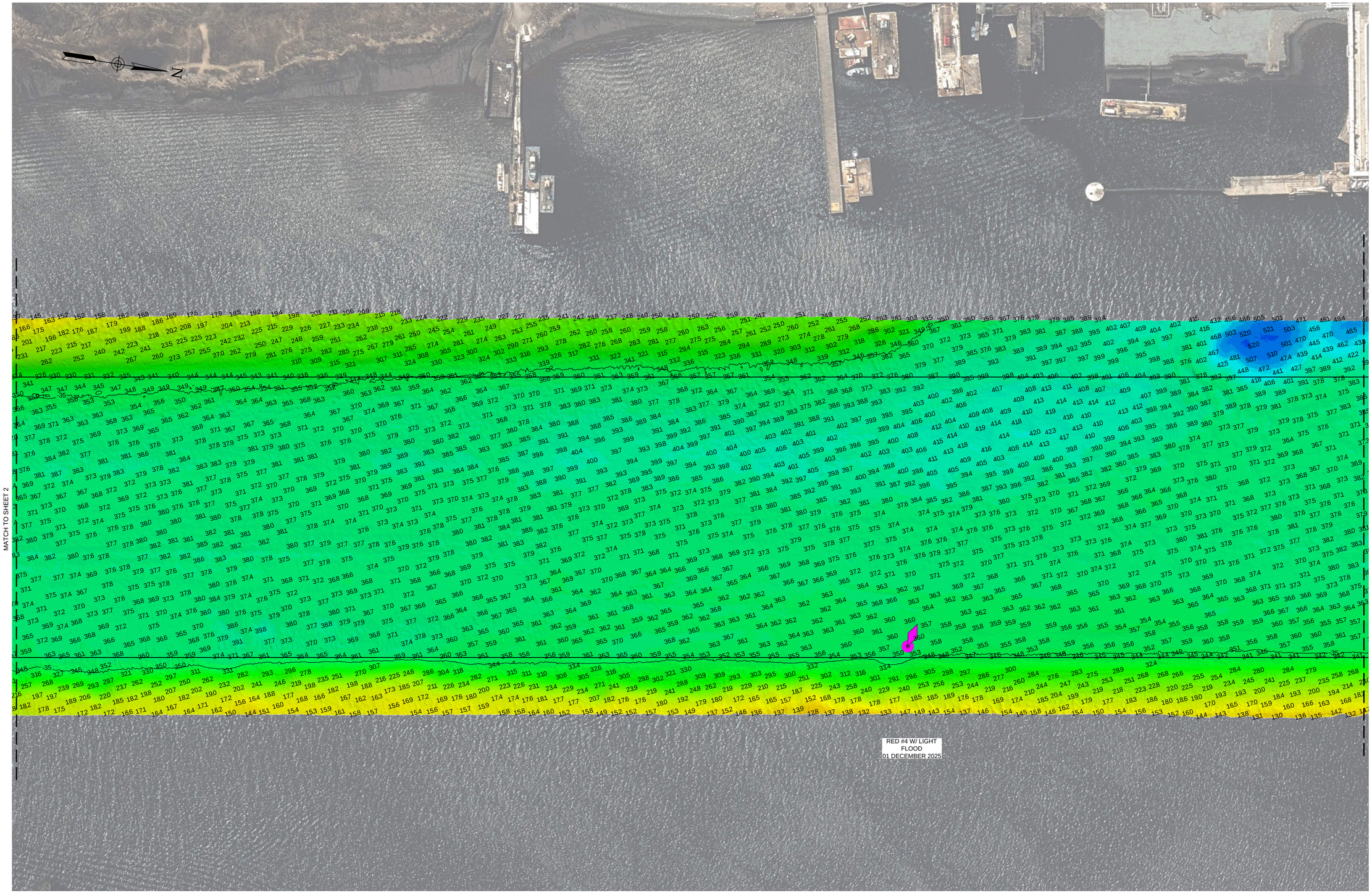
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NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL CHANNEL
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VH-102
2 OF 25



MATCH TO SHEET 2

MATCH TO SHEET 4

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PR	CAM,EQ	
VP	CAM,CWE	

DATES OF SURVEY: 1,10,15,16 DECEMBER 2025; 5, 8 JANUARY 2026

REQUEST NUMBER: 56388/D/N3

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: DNA 3

APPROVED: P. KEARNS, FIELD CARTOGRAPHER

APPROVED: B. HIGGINS, LEAD CARTOGRAPHER

APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MIRAZ, CHIEF OF SURVEY AND MAPPING BRANCH

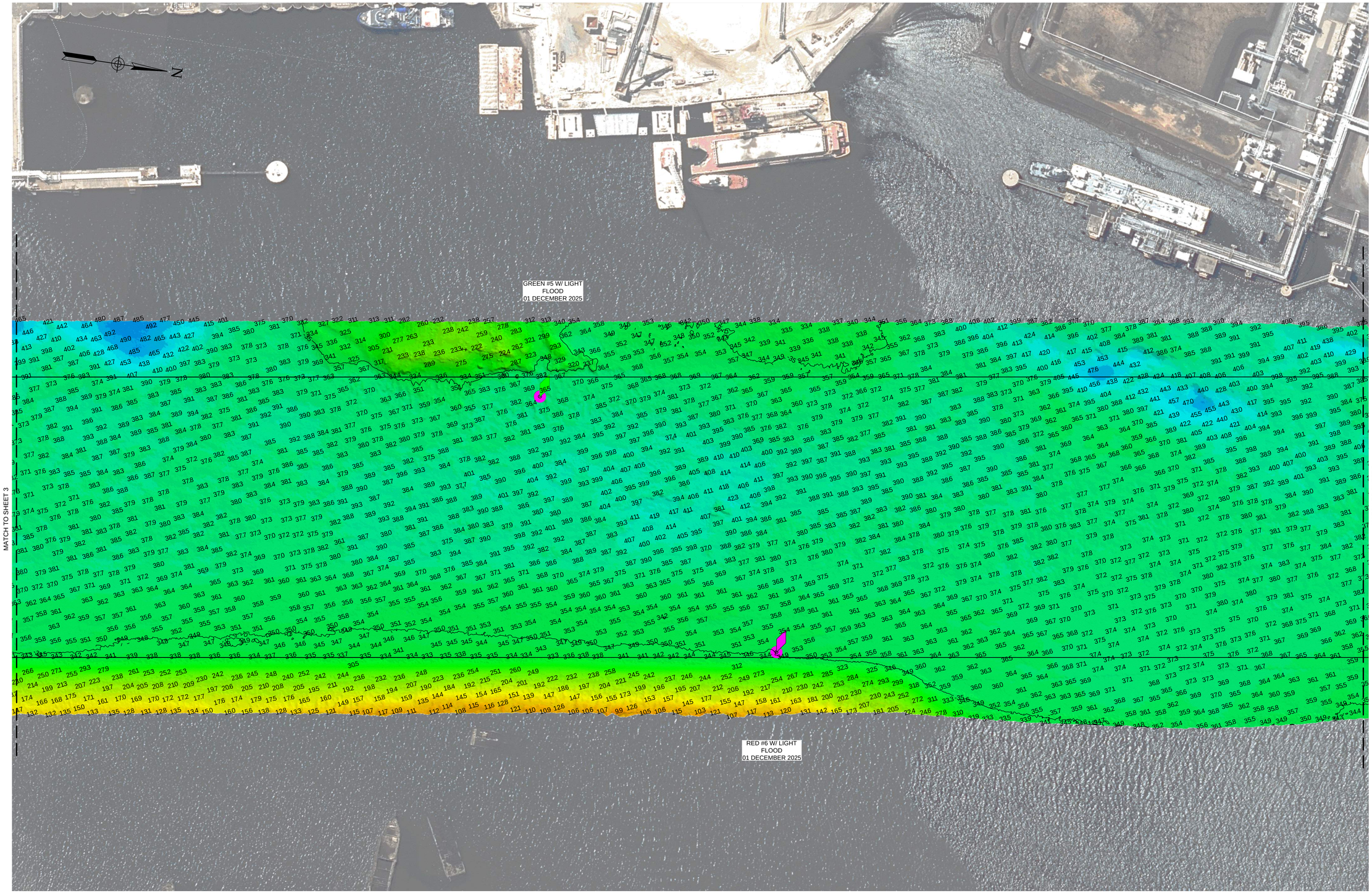
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NEW YORK & NEW JERSEY CHANNELS
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CONDITION SURVEY

VH-103
3 OF 25



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PR	CAM,EQ	
UP	CAM,CWE	

DATES OF SURVEY: 1,10,15-16 DECEMBER 2025; 5, 8 JANUARY 2026

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: DNA 3

REQUEST NUMBER: 56380/D/N3

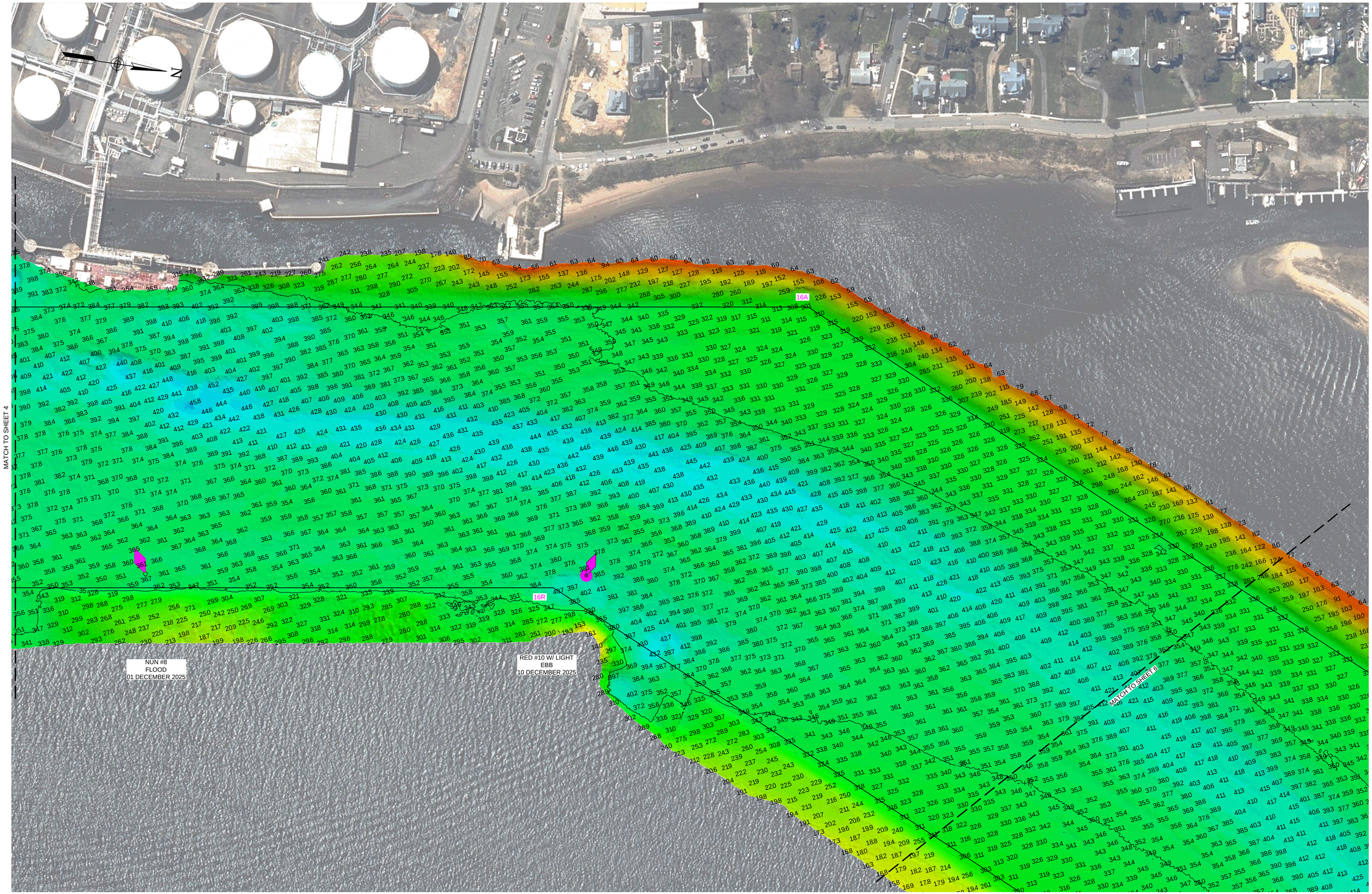
APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	B. HIGGINS	LEAD CARTOGRAPHER
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	J. MIRAZ	CHIEF OF SURVEY AND MAPPING BRANCH
ISSUE DATE:	20 JANUARY 2026	

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CONDITION SURVEY

VH-104
4 OF 25



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PR	CAM,EQ
VP	CAM,CWE

DATES OF SURVEY:
1,10,15-16 DECEMBER 2025
5, 8 JANUARY 2026

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 3

REQUEST NUMBER: 56380/D/N3

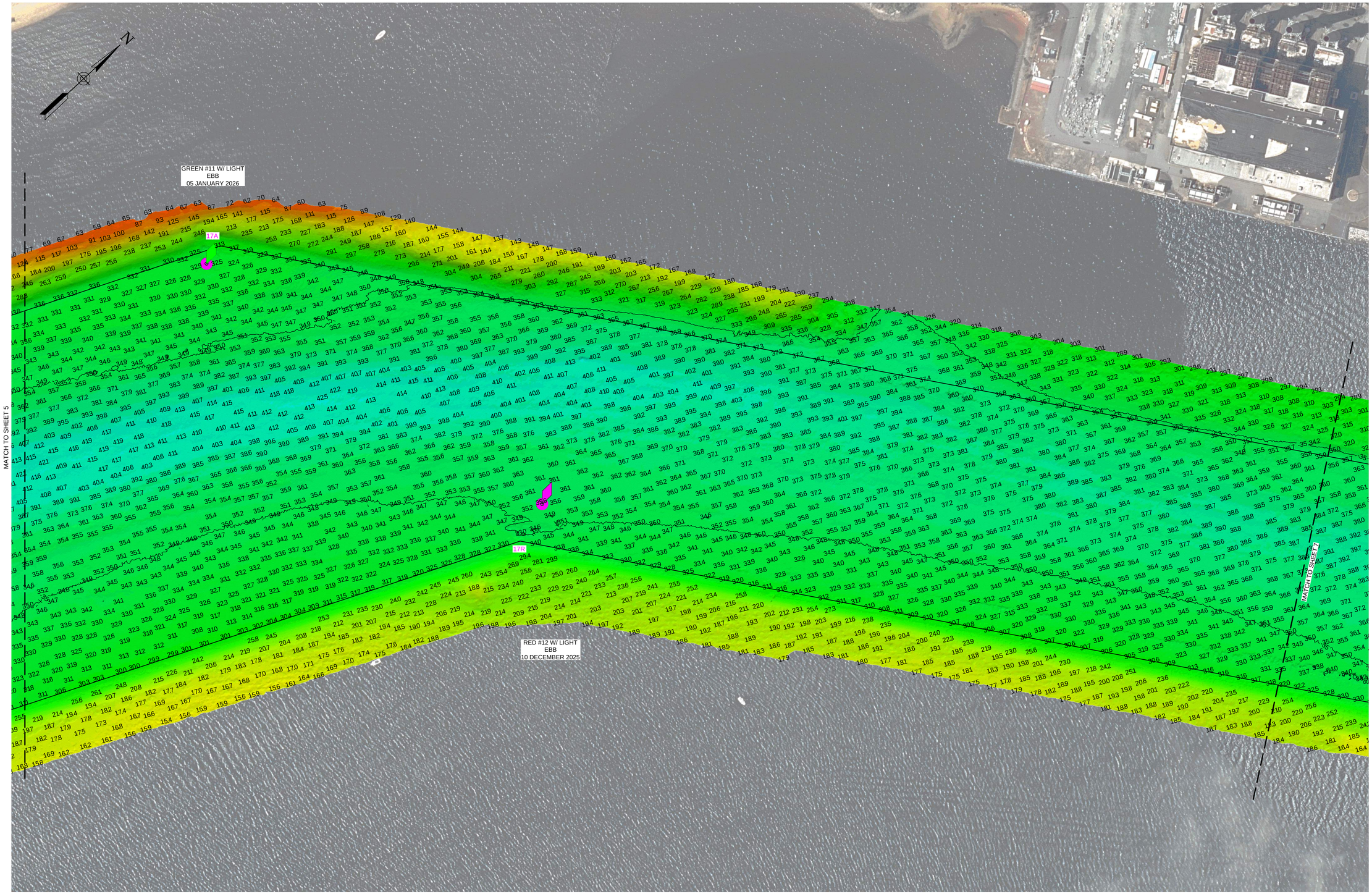
APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	B. HIGGINS	LEAD CARTOGRAPHER
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	J. MIRAZ	CHIEF OF SURVEY AND MAPPING BRANCH
ISSUE DATE:	20 JANUARY 2026	

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CONDITION SURVEY

VH-105
5 OF 25



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US Army Corps of Engineers®

PR	CAM.EQ	
MP	CAM.CWE	

DATES OF SURVEY:
1,10,15,16 DECEMBER 2025
5, 8 JANUARY 2026

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 3

REQUEST NUMBER: 56388/D/N3

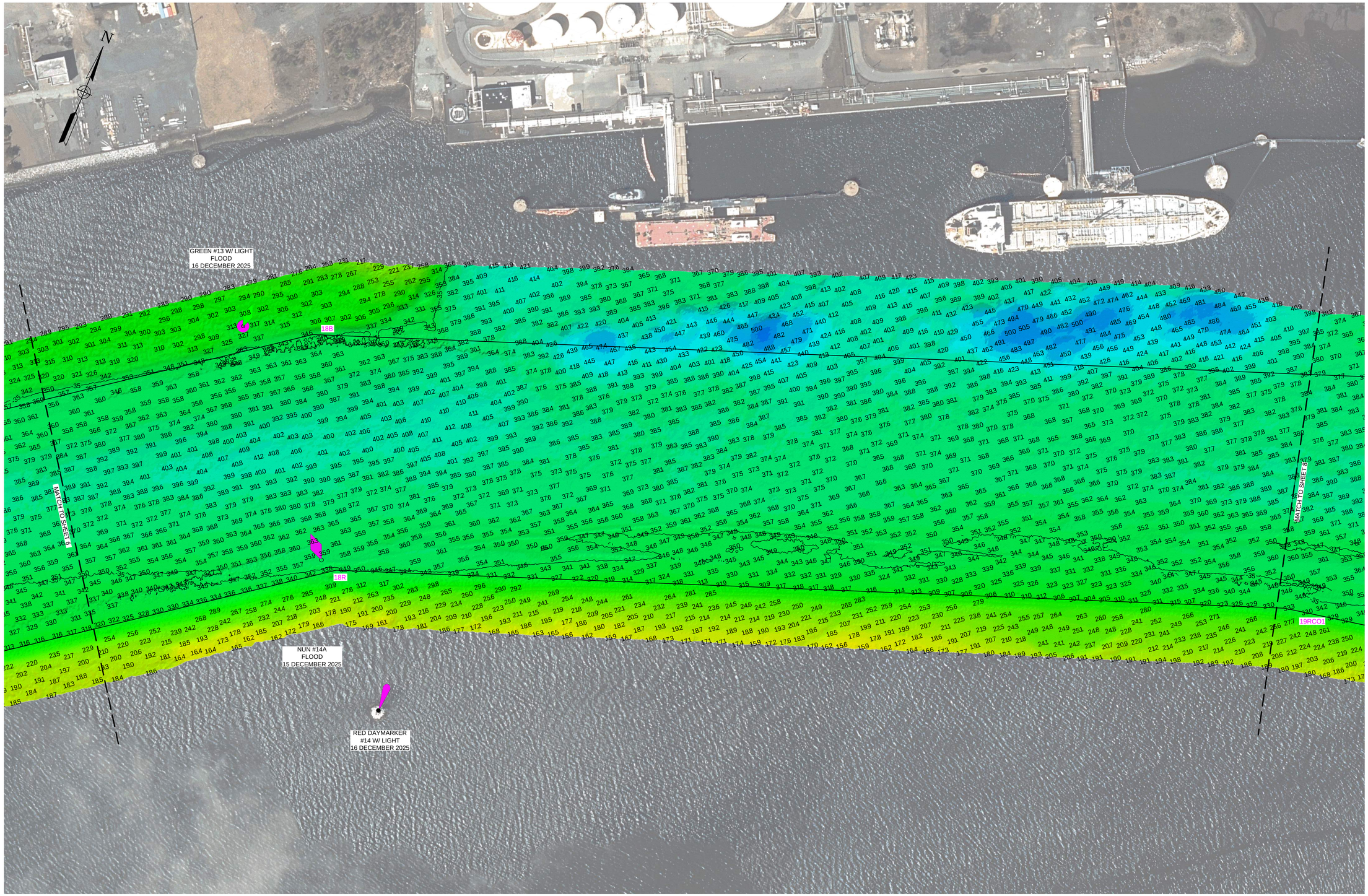
APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	B. HIGGINS	LEAD CARTOGRAPHER
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	J. MIRAZ	CHIEF OF SURVEY AND MAPPING BRANCH
ISSUE DATE:	20 JANUARY 2026	

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VH-106
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	PR	CAM-EQ
	MP	CAM-CWE

DATES OF SURVEY:
1,10,15,16 DECEMBER 2025
5, 8 JANUARY 2026

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 3

REQUEST NUMBER: 56388/DN3

APPROVED: P. KEARNS
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MIRAZ
CHIEF OF SURVEY AND MAPPING BRANCH

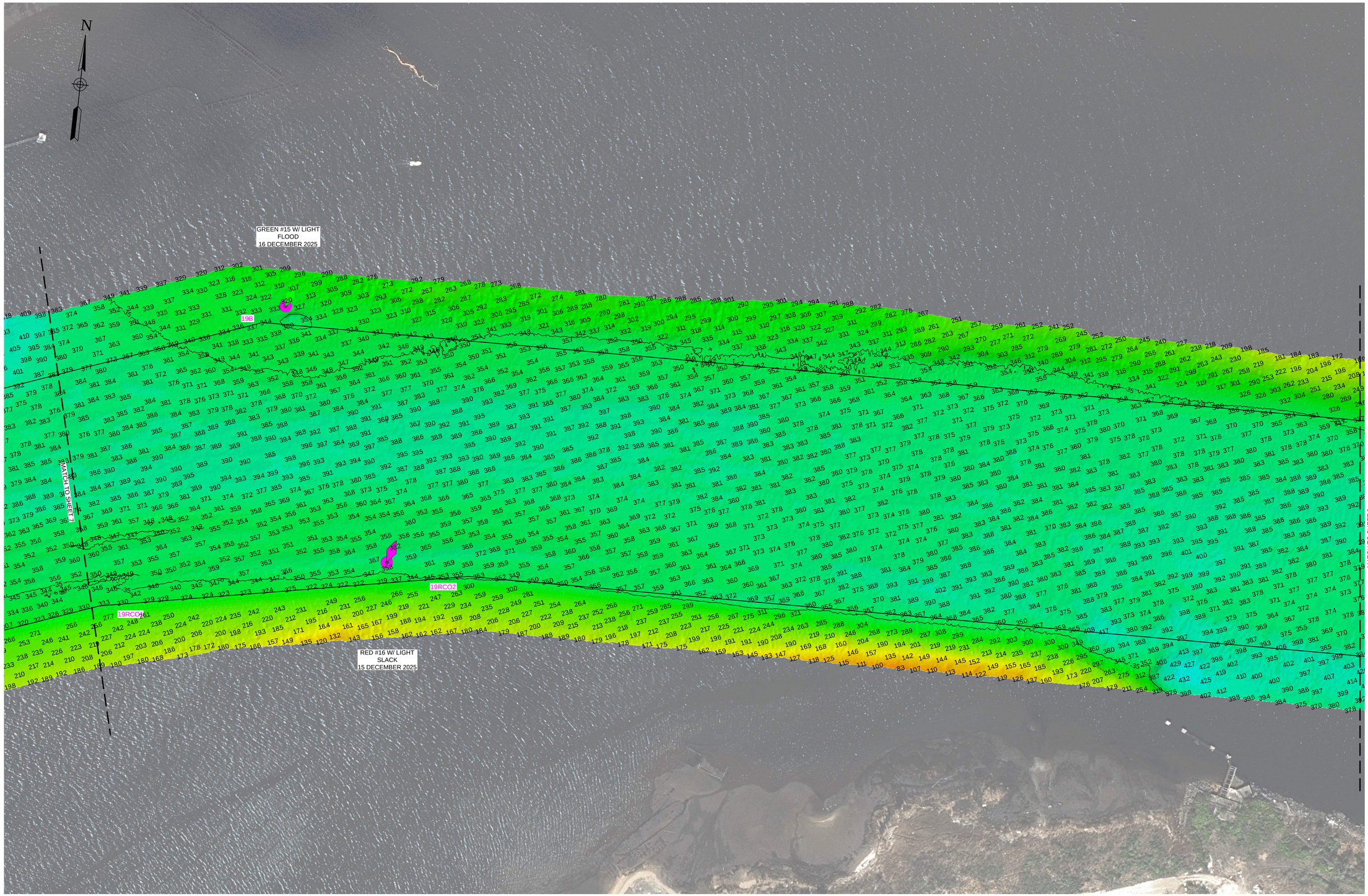
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NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL CHANNEL
CONDITION SURVEY

VH-107
7 OF 25



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	PR	CAM,EQ
	VP	CAM,CWE

DATES OF SURVEY:
1,10,15-16 DECEMBER 2025
5, 8 JANUARY 2026

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 3

REQUEST NUMBER: 56380/D/N3

APPROVED: P. KEARNS
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MIRAZ
CHIEF OF SURVEY AND MAPPING BRANCH

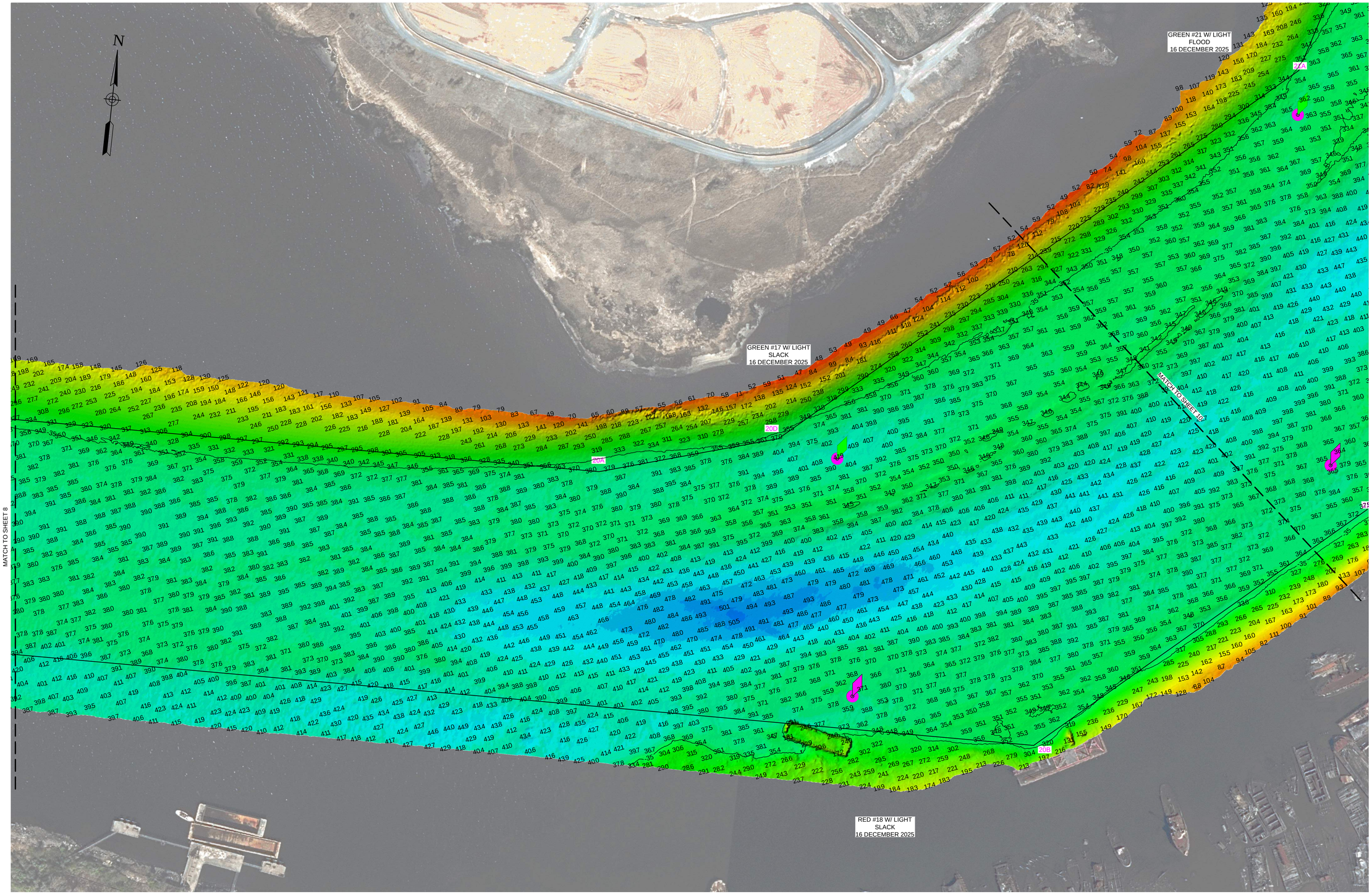
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CONDITION SURVEY

VH-108
8 OF 25



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PR	CAM,EQ	
VP	CAM,CWE	

DATES OF SURVEY:
1,10,15,16 DECEMBER 2025
5, 8 JANUARY 2026

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 3

REQUEST NUMBER: 56388/DN3

APPROVED: P. KEARNS
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MIRAZ
CHIEF OF SURVEY AND MAPPING BRANCH

ISSUE DATE: 20 JANUARY 2026

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NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL CHANNEL
CONDITION SURVEY

VH-109
9 OF 25

17 W/ LIGHT
LACK
MBER 2025

GREEN #21 W/ LIGHT
FLOOD
16 DECEMBER 2025

RED #20 W/ LIGHT
SLACK
16 DECEMBER 2025

21A

21B

MATCH TO SHEET 9

MATCH TO SHEET 11

0 50 100 200 FEET

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	PR	CAM.EQ
	VP	CAM.CWE

DATES OF SURVEY: 1,10,15,16 DECEMBER 2025
5, 8 JANUARY 2026

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: DNA 3

REQUEST NUMBER: 56388/D/N3

APPROVED: P. KEARNS, FIELD CARTOGRAPHER
APPROVED: B. HIGGINS, LEAD CARTOGRAPHER
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: J. MIRAZ, CHIEF OF SURVEY AND MAPPING BRANCH
ISSUE DATE: 20 JANUARY 2026

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NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL CHANNEL
CONDITION SURVEY

VH-110
10 OF 25

MATCH TO SHEET 10

MATCH TO SHEET 12

22A

22B

RED #24 W/ LIGHT
EBB
17 DECEMBER 2025

FK4

0 50 100 200 FEET

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PR	CAM,EQ	
MP	CAM,CWE	

DATES OF SURVEY:
1,10,15,16 DECEMBER 2025
5, 8 JANUARY 2026

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 3

REQUEST NUMBER: 56380/D/N3

APPROVED: P. KEARNS
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MIRAZ
CHIEF OF SURVEYS AND MAPPING BRANCH

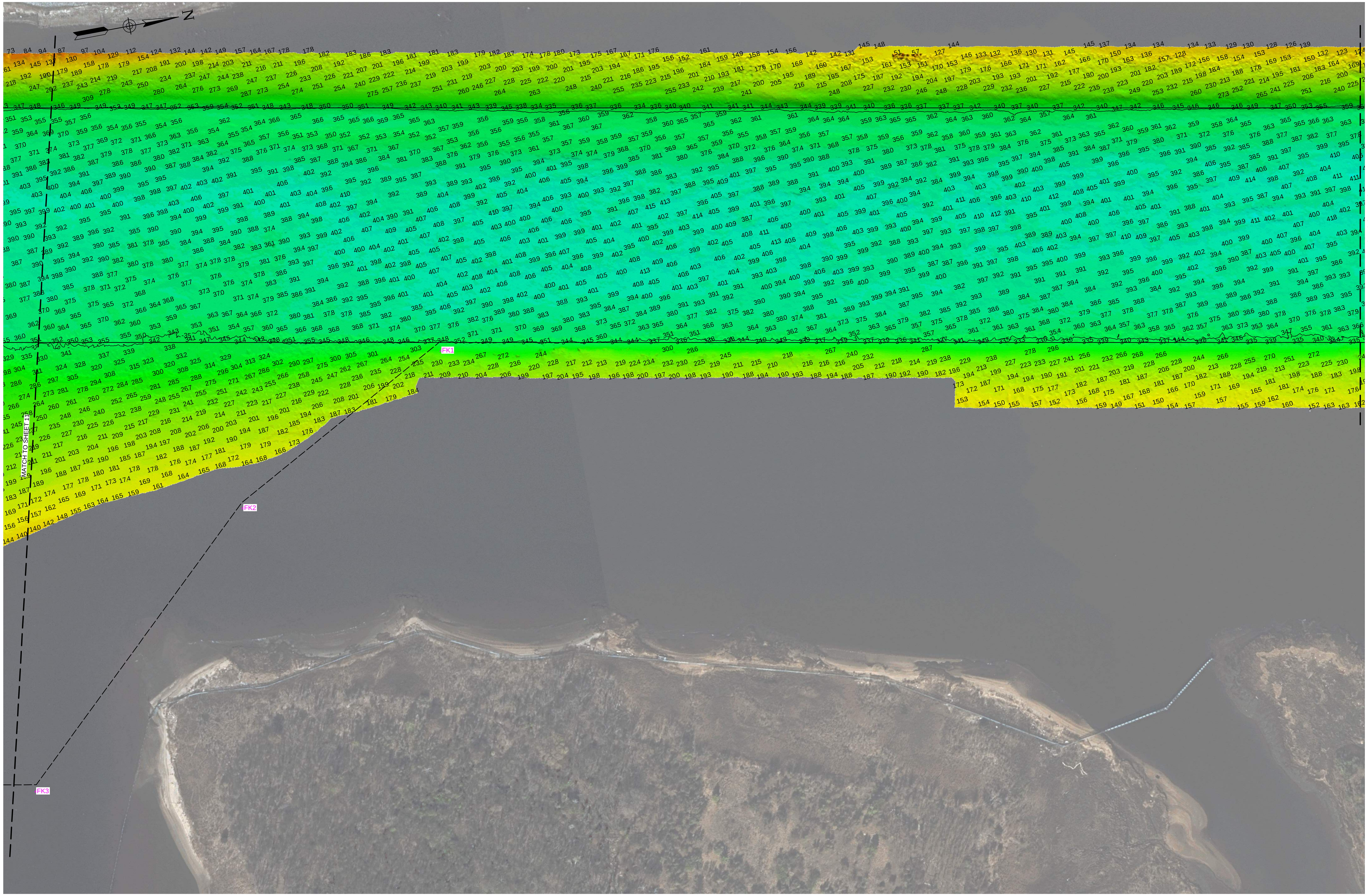
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NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL CHANNEL
CONDITION SURVEY

VH-111
11 OF 25



0 50 100 200
FEET

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						PR	CAM.EQ
						MP	CAM.CWE

DATES OF SURVEY: 1,10,15-18 DECEMBER 2025; 5, 8 JANUARY 2026

REQUEST NUMBER: 5638/D/N3

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: DNA 3

APPROVED: P. KEARNS, FIELD CARTOGRAPHER

APPROVED: B. HIGGINS, LEAD CARTOGRAPHER

APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MRAZ, CHIEF OF SURVEYS AND MAPPING BRANCH

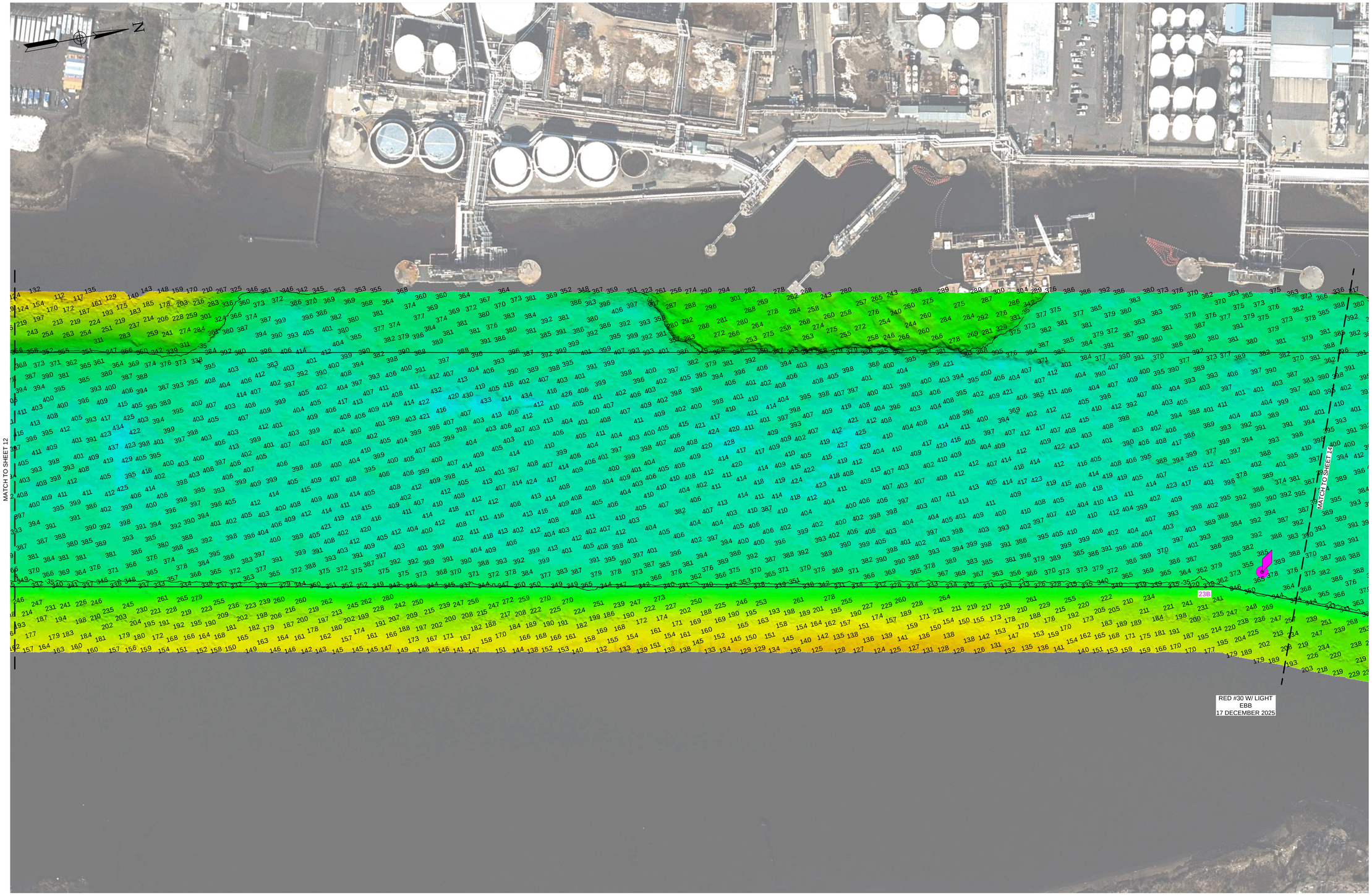
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VH-112



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	VP	CAM.CWE

DATES OF SURVEY:
1,10,15-16 DECEMBER 2025
5, 8 JANUARY 2026

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 3

REQUEST NUMBER: 56380/D/N3

APPROVED: P. KEARNS
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MIRAZ
CHIEF OF SURVEYS AND MAPPING BRANCH

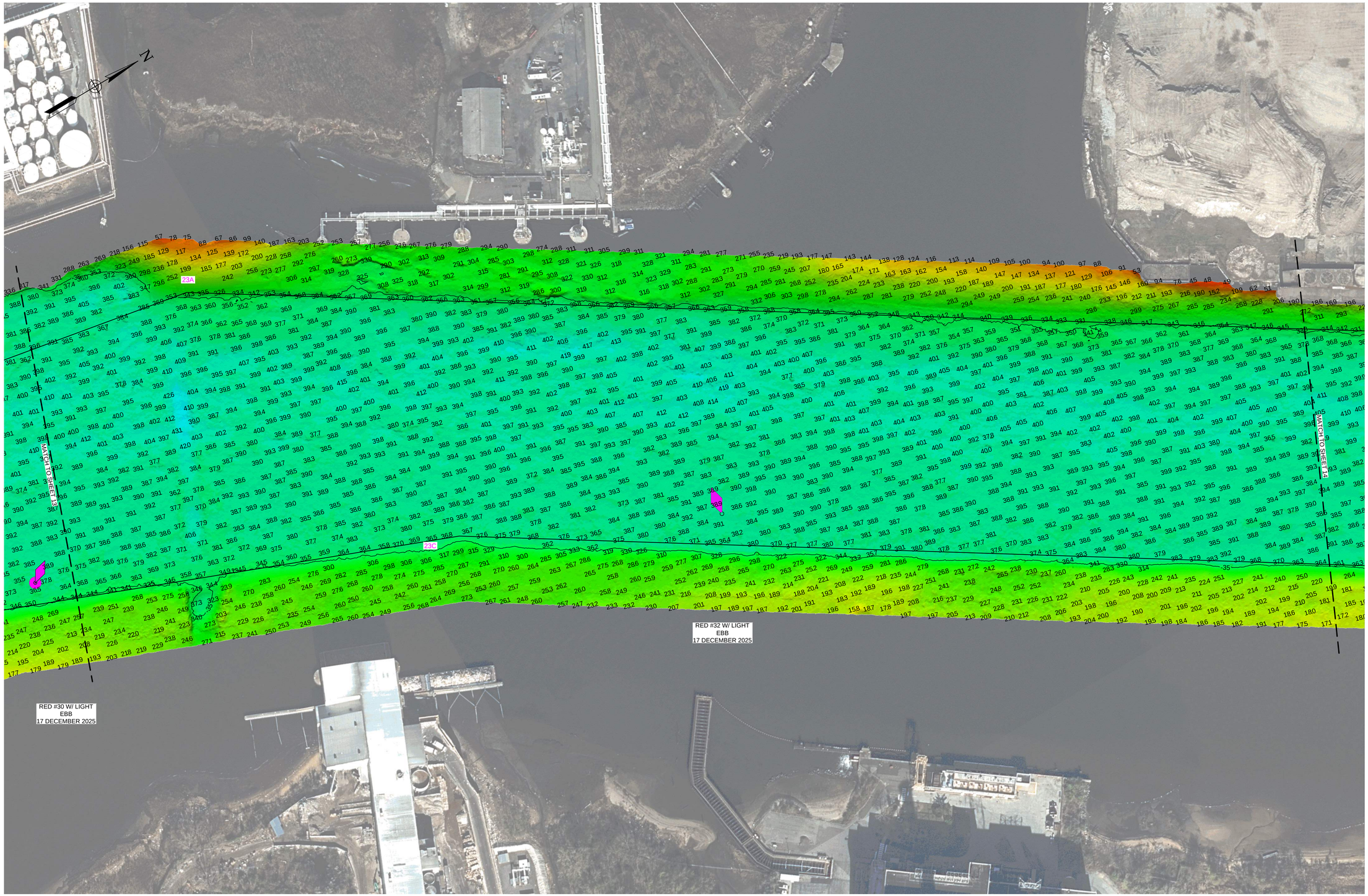
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CONDITION SURVEY

VH-113
13 OF 25



0 50 100 200 FEET

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DATES OF SURVEY:
1,10,15-16 DECEMBER 2025
5, 8 JANUARY 2026

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 3

REQUEST NUMBER: 56388/DN3

APPROVED: P. KEARNS
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MIRAZ
CHIEF OF SURVEY AND MAPPING BRANCH

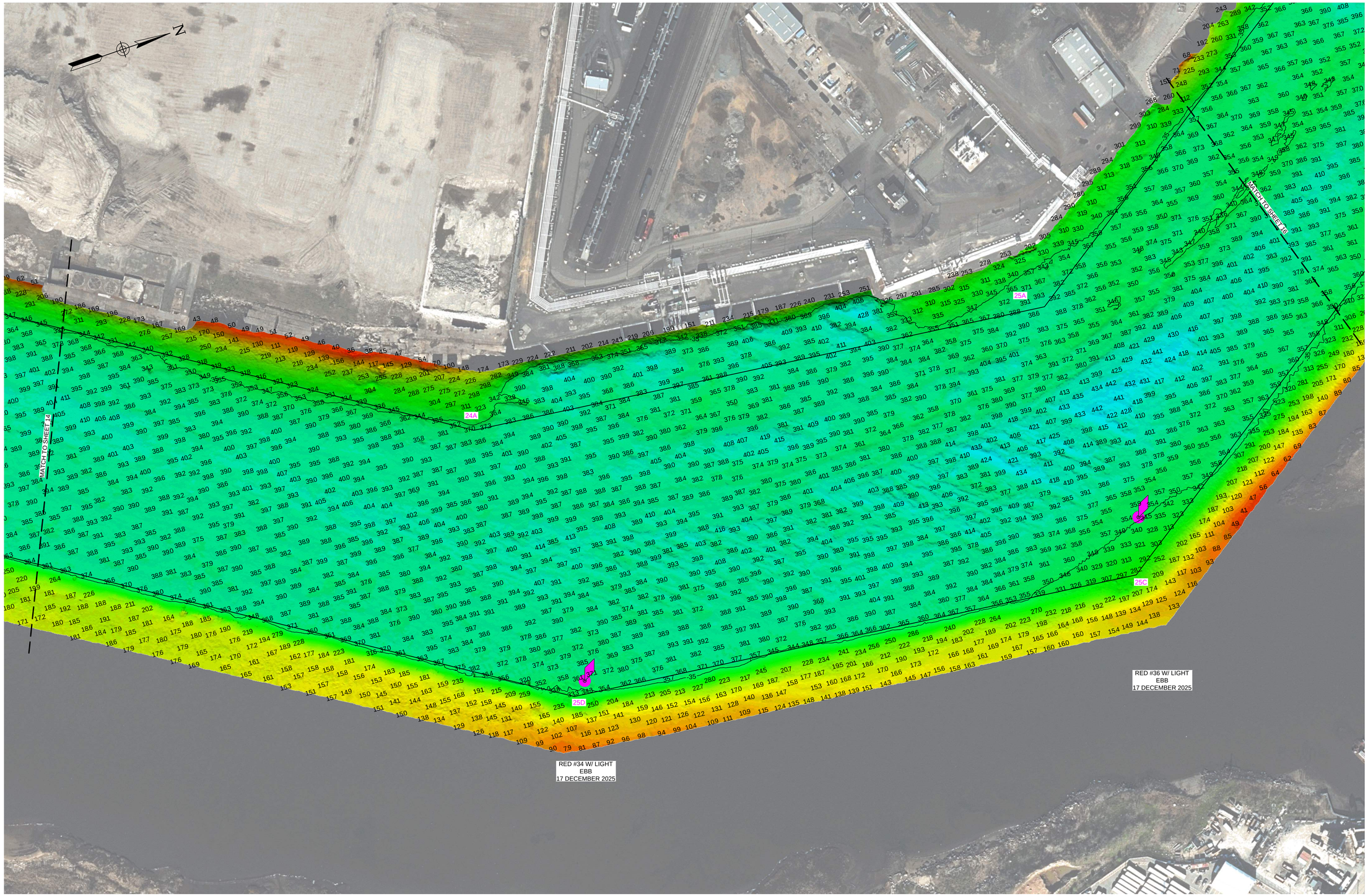
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VH-114
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	VP	CAM,CWE

DATES OF SURVEY:
1,10,15,16 DECEMBER 2025
5, 8 JANUARY 2026

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 3

REQUEST NUMBER: 56388/DN3

APPROVED: P. KEARNS
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MIRAZ
CHIEF OF SURVEY AND MAPPING BRANCH

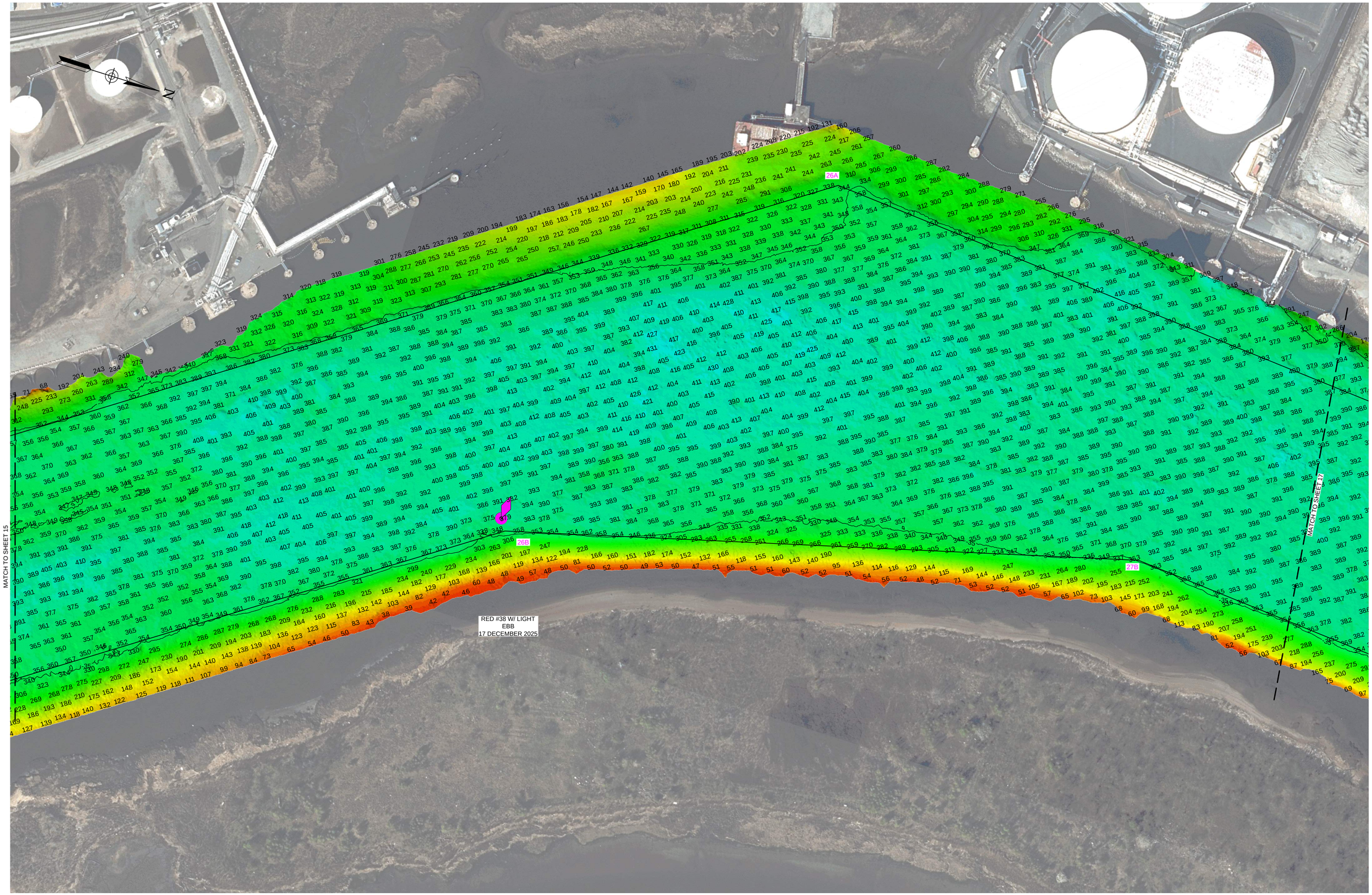
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NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL CHANNEL
CONDITION SURVEY

VH-115
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	PR	CAM.EQ.
	MP	CAM.CWE

DATES OF SURVEY:
1,10,15,16 DECEMBER 2025
5, 8 JANUARY 2026

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 3

REQUEST NUMBER: 56388/DN3

APPROVED: P. KEARNS
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MIRAZ
CHIEF OF SURVEY AND MAPPING BRANCH

ISSUE DATE: 20 JANUARY 2026

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CONDITION SURVEY

VH-116
16 OF 25

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DATES OF SURVEY:
1,10,15-16 DECEMBER 2025
5, 8 JANUARY 2026

REQUEST NUMBER: 56380/D/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 3

APPROVED: P. KEARNS
FIELD CARTOGRAPHER

APPROVED: B. HIGGINS
LEAD CARTOGRAPHER

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MIRAZ
CHIEF OF SURVEYS AND MAPPING BRANCH

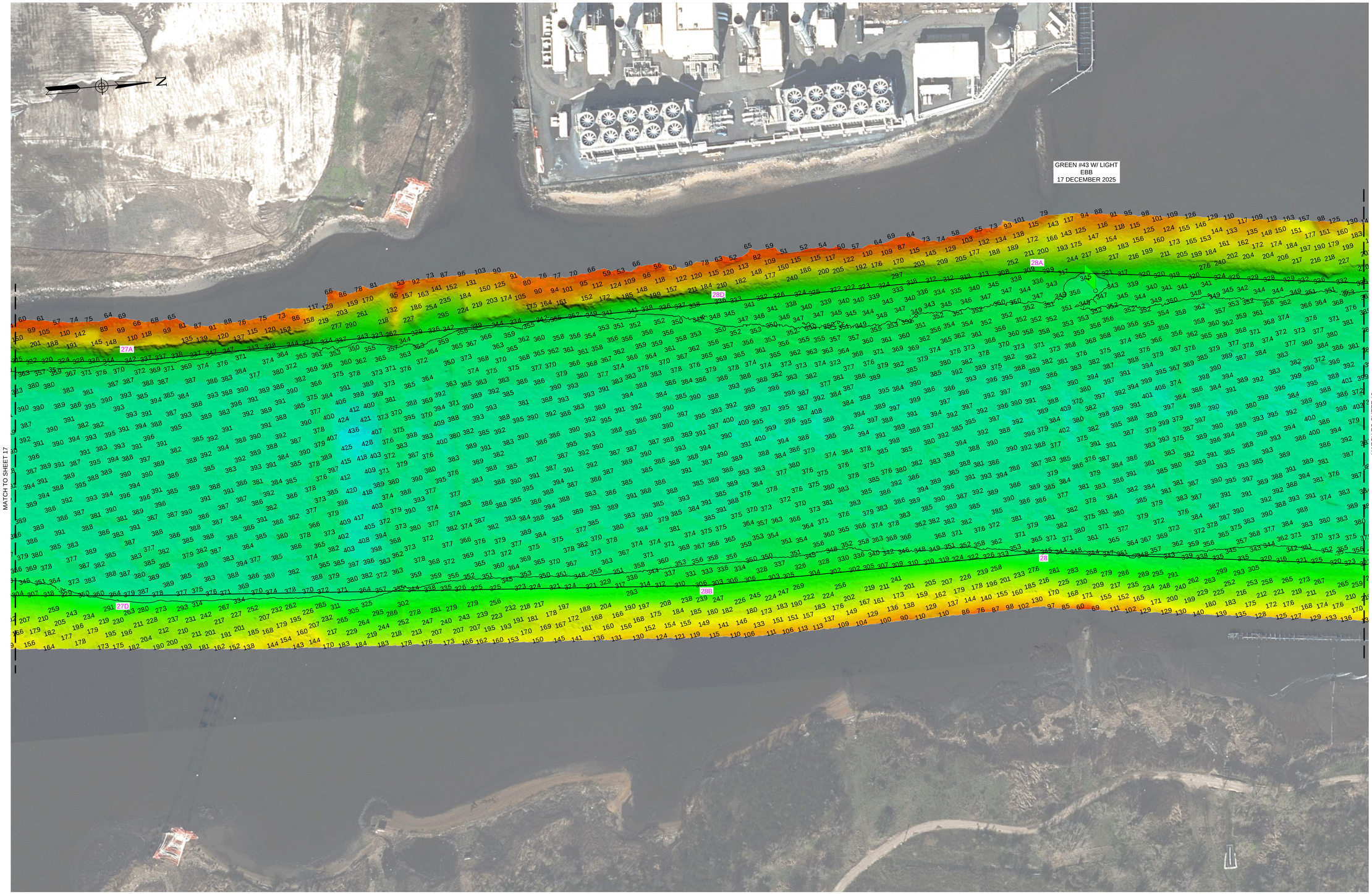
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OPERATIONS DIVISION
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NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL CHANNEL
CONDITION SURVEY

VH-117
17 OF 25



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	PR	CAMLEQ
	MP	CAMLCWE

DATES OF SURVEY:
1,10,15,16 DECEMBER 2025
5, 8 JANUARY 2026

REQUEST NUMBER: 56380D0N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 3

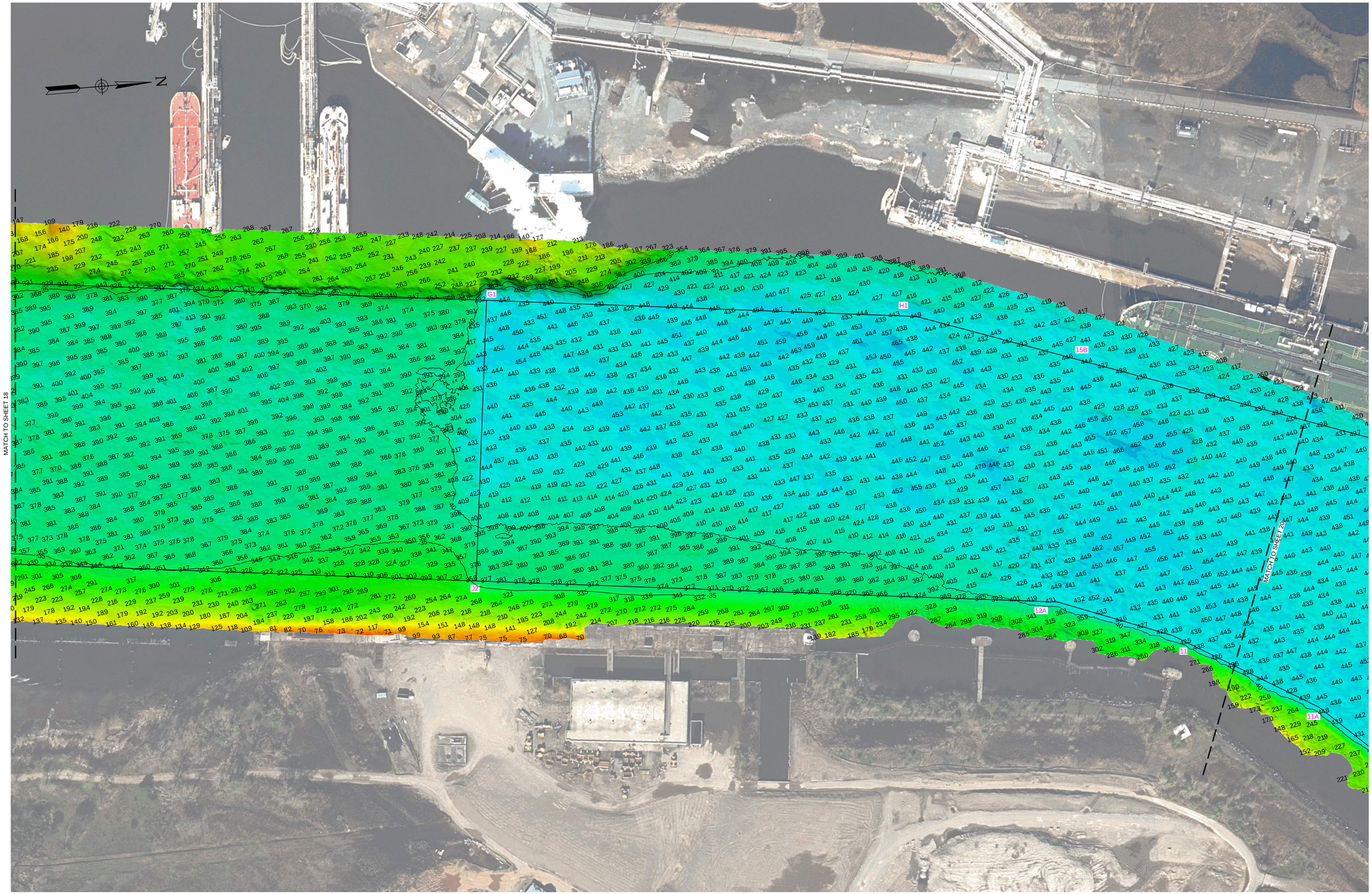
APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	B. HIGGINS	LEAD CARTOGRAPHER
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	J. MIRAZ	CHIEF OF SURVEY AND MAPPING BRANCH
ISSUE DATE:	20 JANUARY 2026	

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

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL CHANNEL
CONDITION SURVEY

VH-118
18 OF 25



0 50 100 200 FEET

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

US Army Corps of Engineers®

PR: CAM,EQ
UP: CAM,CWE

DATES OF SURVEY: 1,10,15-16 DECEMBER 2025
5, 8 JANUARY 2026

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: DNA 3

REQUEST NUMBER: 5638/D/N3

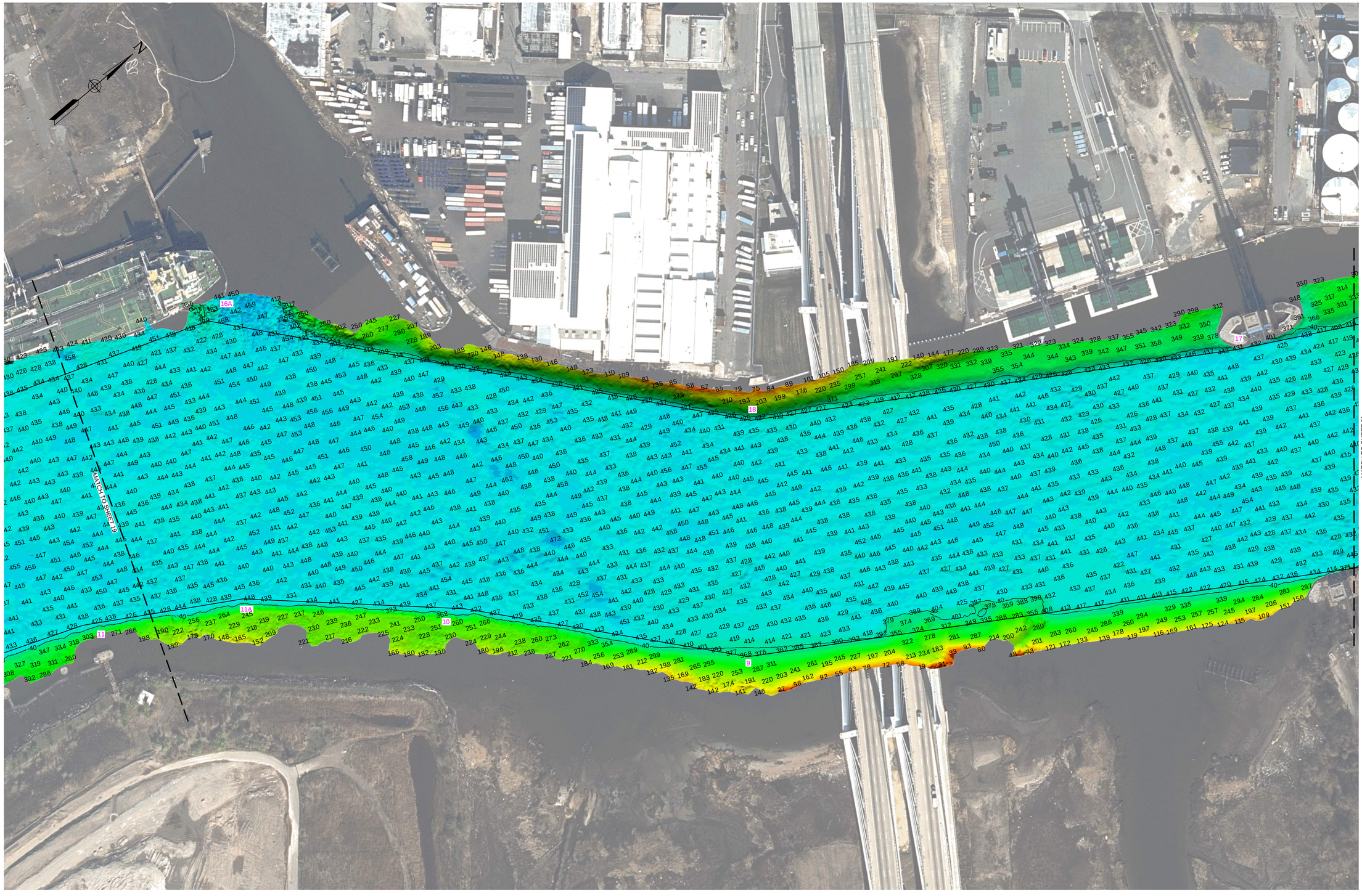
APPROVED: P. KEARNS, FIELD CARTOGRAPHER
APPROVED: B. HIGGINS, LEAD CARTOGRAPHER
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APPROVED: J. MIRAZ, CHIEF OF SURVEYS AND MAPPING BRANCH
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NEW YORK & NEW JERSEY CHANNELS
ARTHUR KILL CHANNEL
CONDITION SURVEY

VH-119
19 OF 25



0 50 100 200 FEET

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

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	PR	CAM,EQ
	MP	CAM,CWE

DATES OF SURVEY: 1,10,15,19 DECEMBER 2025; 5, 8 JANUARY 2026

REQUEST NUMBER: 56388/D/N3

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: DNA 3

APPROVED: P. KEARNS, FIELD CARTOGRAPHER

APPROVED: B. HIGGINS, LEAD CARTOGRAPHER

APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MIRAZ, CHIEF OF SURVEY AND MAPPING BRANCH

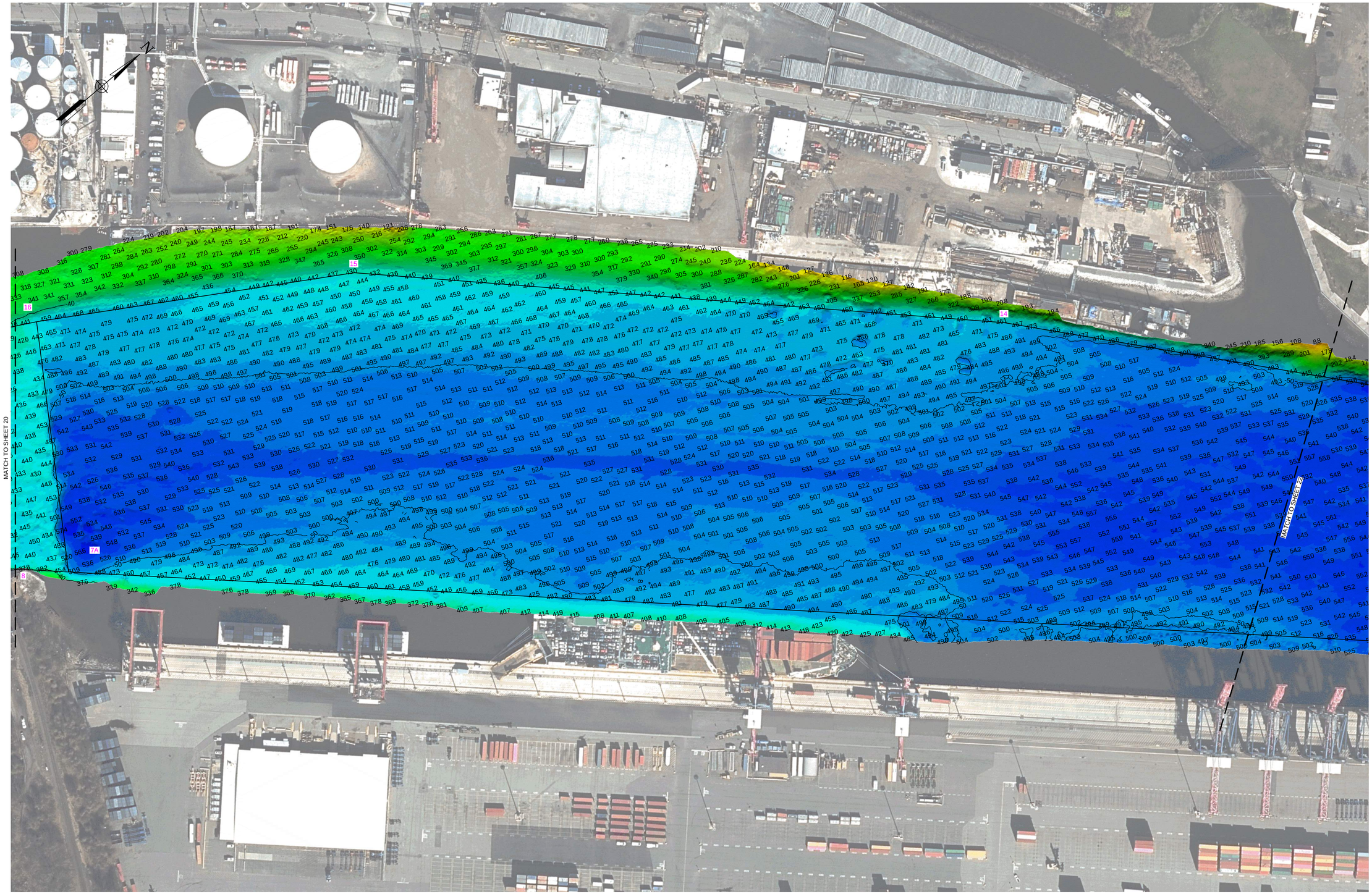
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CONDITION SURVEY

VH-120
20 OF 25



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US Army Corps of Engineers®

PR: CAMLEQ
MP: CAMLCWE

DATES OF SURVEY: 1,10,15,16 DECEMBER 2025
5, 8 JANUARY 2026

REQUEST NUMBER: 56380D0N3

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: DNA 3

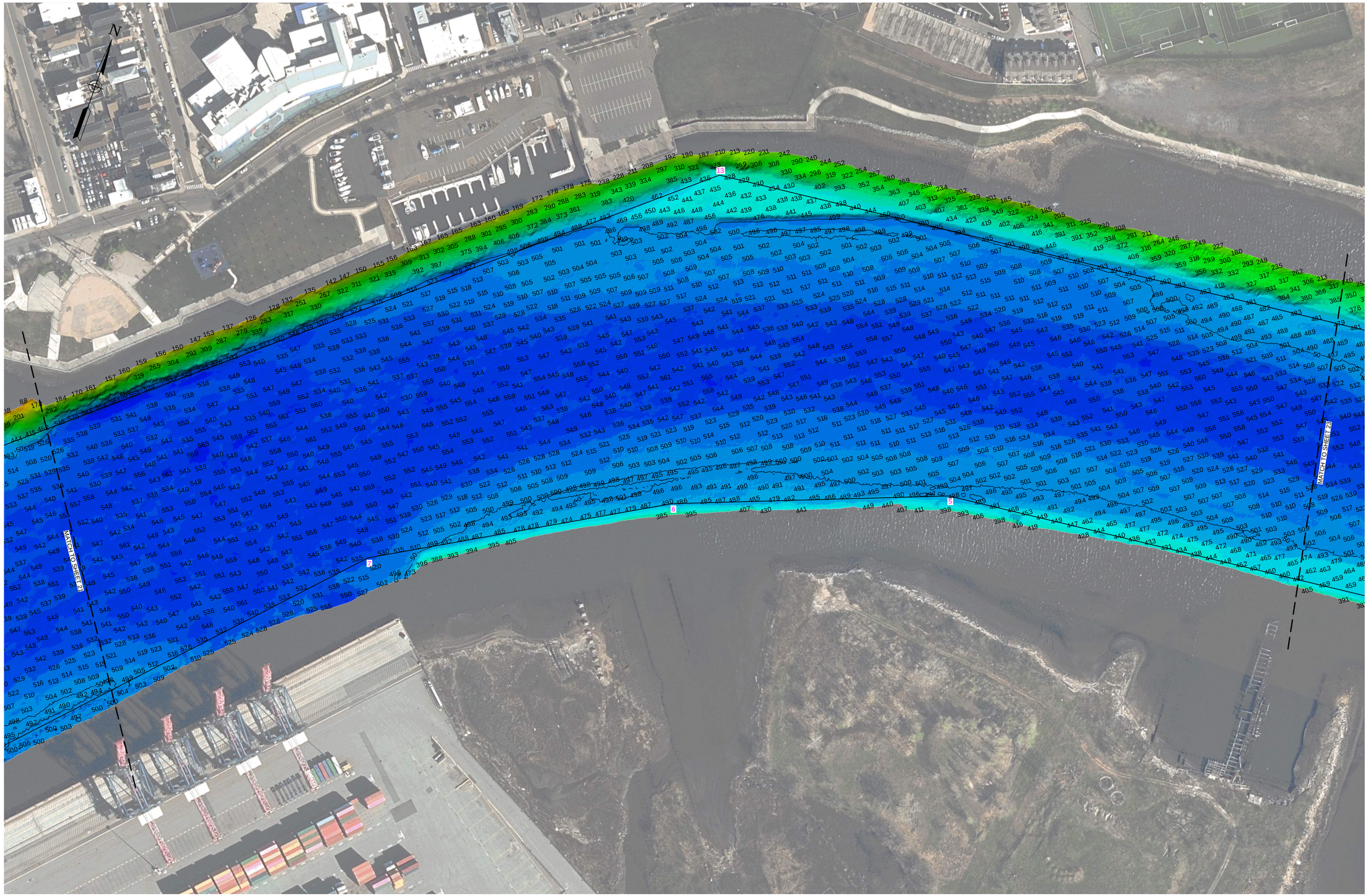
APPROVED: P. KEARNS, FIELD CARTOGRAPHER
APPROVED: B. HIGGINS, LEAD CARTOGRAPHER
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: J. MIRAZ, CHIEF OF SURVEY AND MAPPING BRANCH
ISSUE DATE: 20 JANUARY 2026

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CONDITION SURVEY

VH-121
21 OF 25



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US Army Corps of Engineers®

	PR	CAM.EQ.
	MP	CAM.CWE

DATES OF SURVEY: 1,10,15,19 DECEMBER 2025, 5, 8 JANUARY 2026

REQUEST NUMBER: 56380D0N3

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: DNA 3

APPROVED: P. KEARNS, FIELD CARTOGRAPHER

APPROVED: B. HIGGINS, LEAD CARTOGRAPHER

APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION

APPROVED: J. MIRAZ, CHIEF OF OPERATIONS DIVISION AND MAPPING BRANCH

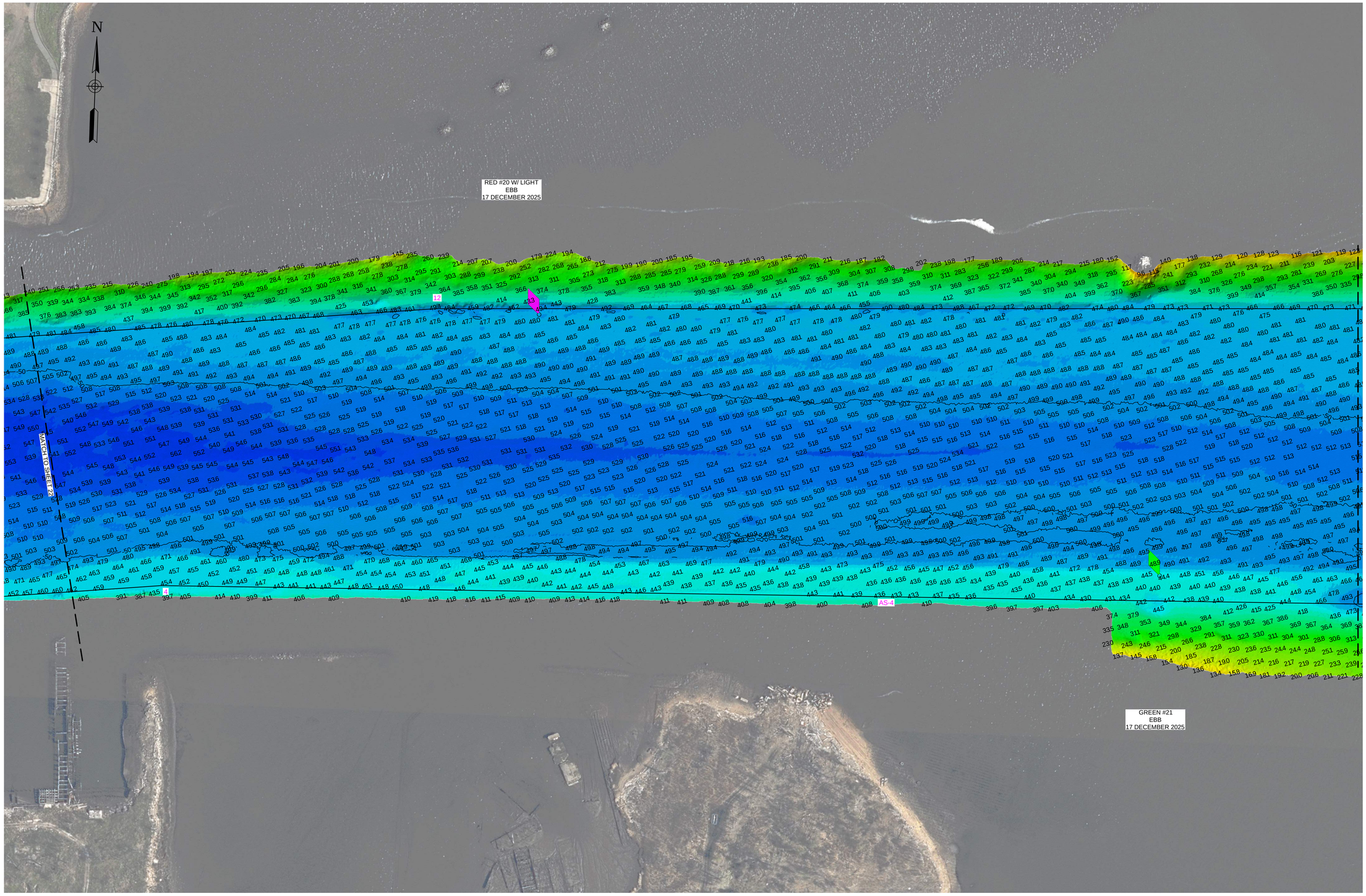
ISSUE DATE: 20 JANUARY 2026

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ARTHUR KILL CHANNEL
CONDITION SURVEY

VH-122
22 OF 25



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

US Army Corps of Engineers®

PR	CAM,EQ
MP	CAM,CWE

SCALE: ONE INCH = 100 FEET

DATES OF SURVEY: 1,10,15-16 DECEMBER 2025; 5, 8 JANUARY 2026

FIELD BOOKS: DNA 3

REQUEST NUMBER: 5638/D/N3

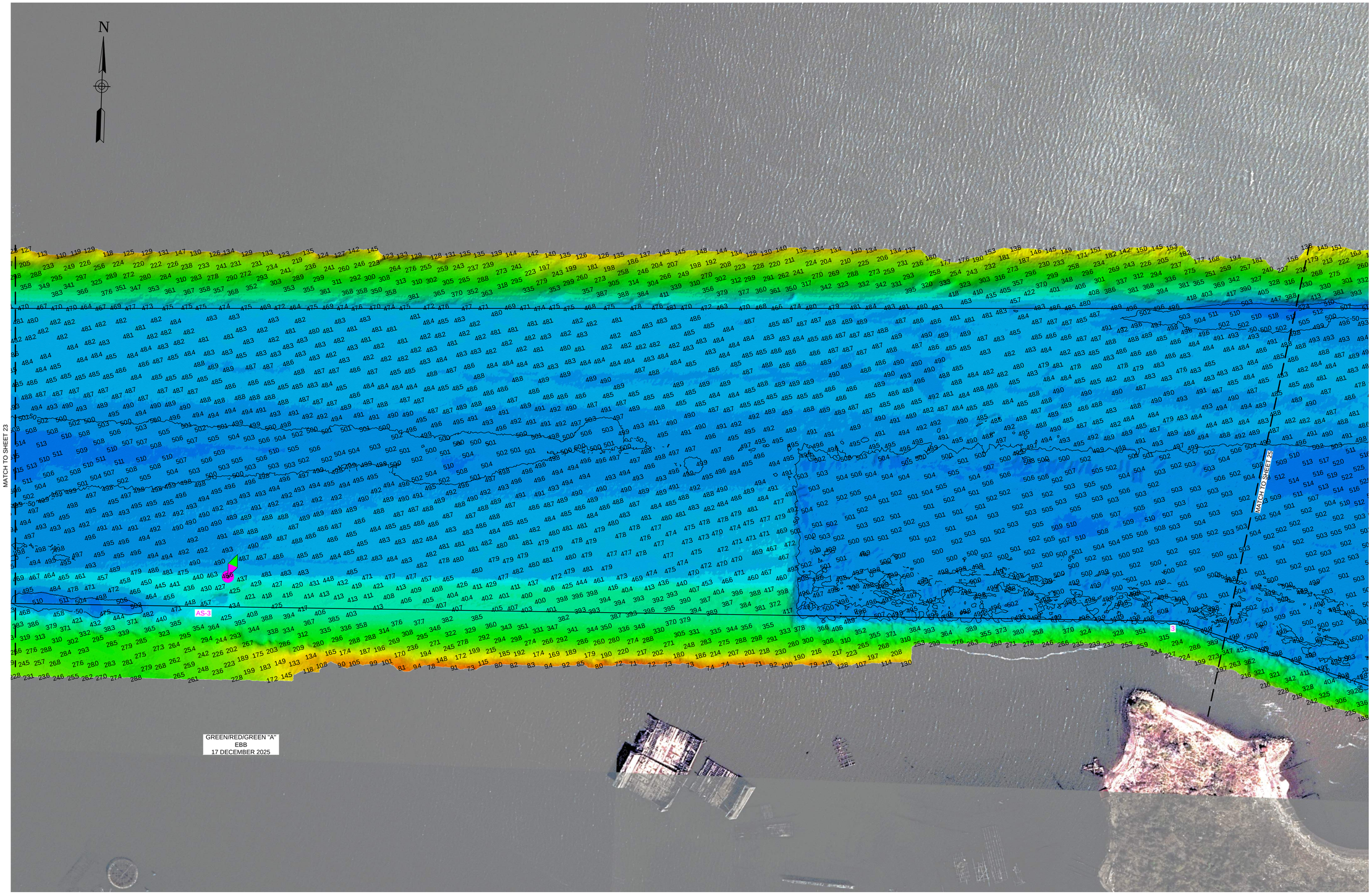
APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
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CENAN-OP-SS

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ARTHUR KILL CHANNEL
CONDITION SURVEY

VH-123
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US Army Corps of Engineers®

PR	CAM,EQ	
VP	CAM,CWE	

DATES OF SURVEY:
1,10,15-16 DECEMBER 2025
5, 8 JANUARY 2026

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 3

REQUEST NUMBER: 56380/D/N3

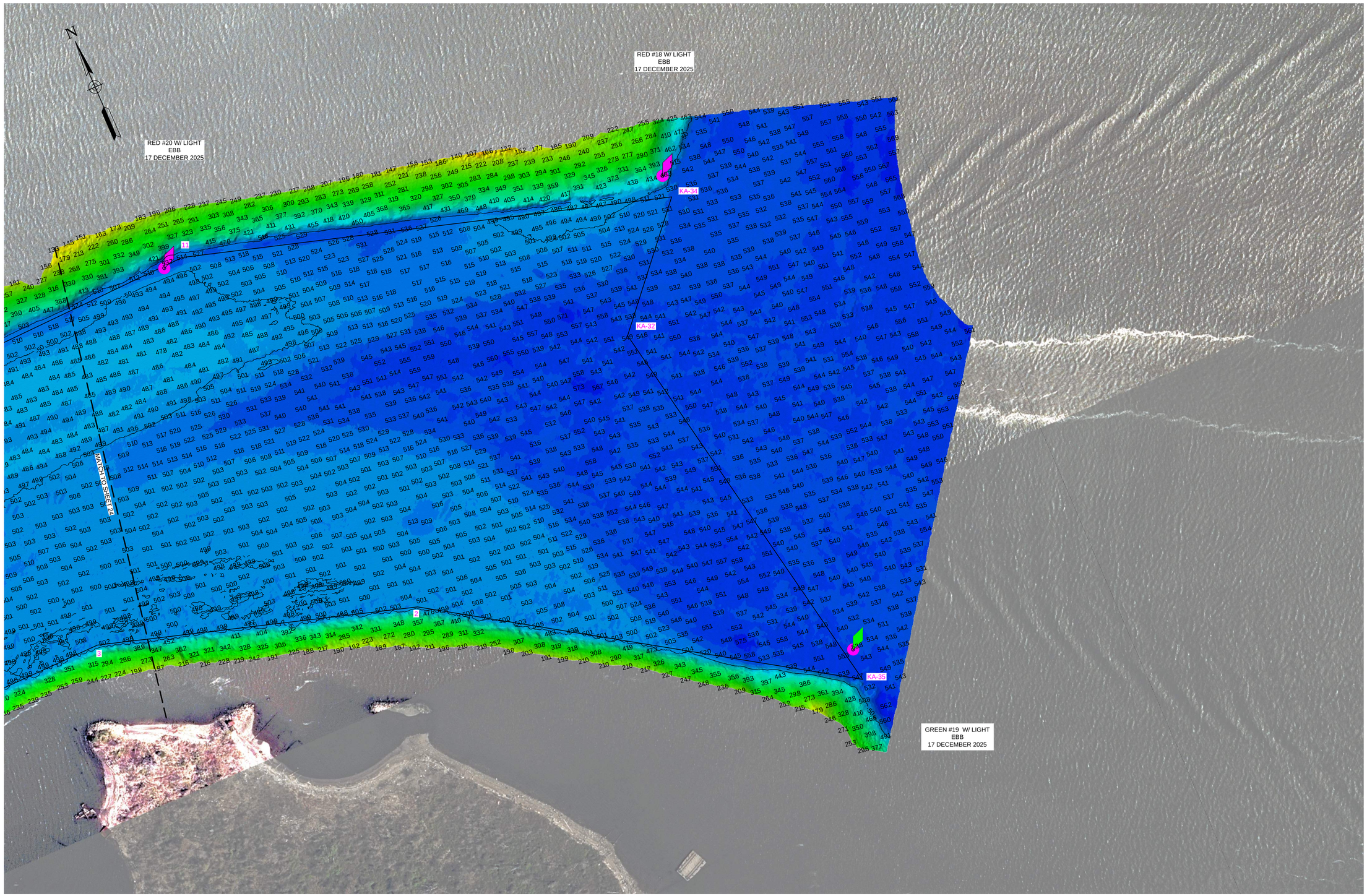
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CONDITION SURVEY

VH-124
24 OF 25



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	MP	CAM,CWE

DATES OF SURVEY: 1,10,15-16 DECEMBER 2025; 5, 8 JANUARY 2026

REQUEST NUMBER: 56388/D/N3

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: DNA 3

APPROVED: P. KEARNS, FIELD CARTOGRAPHER

APPROVED: B. HIGGINS, LEAD CARTOGRAPHER

APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION

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

ISSUE DATE: 20 JANUARY 2026

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CONDITION SURVEY

VH-125
25 OF 25