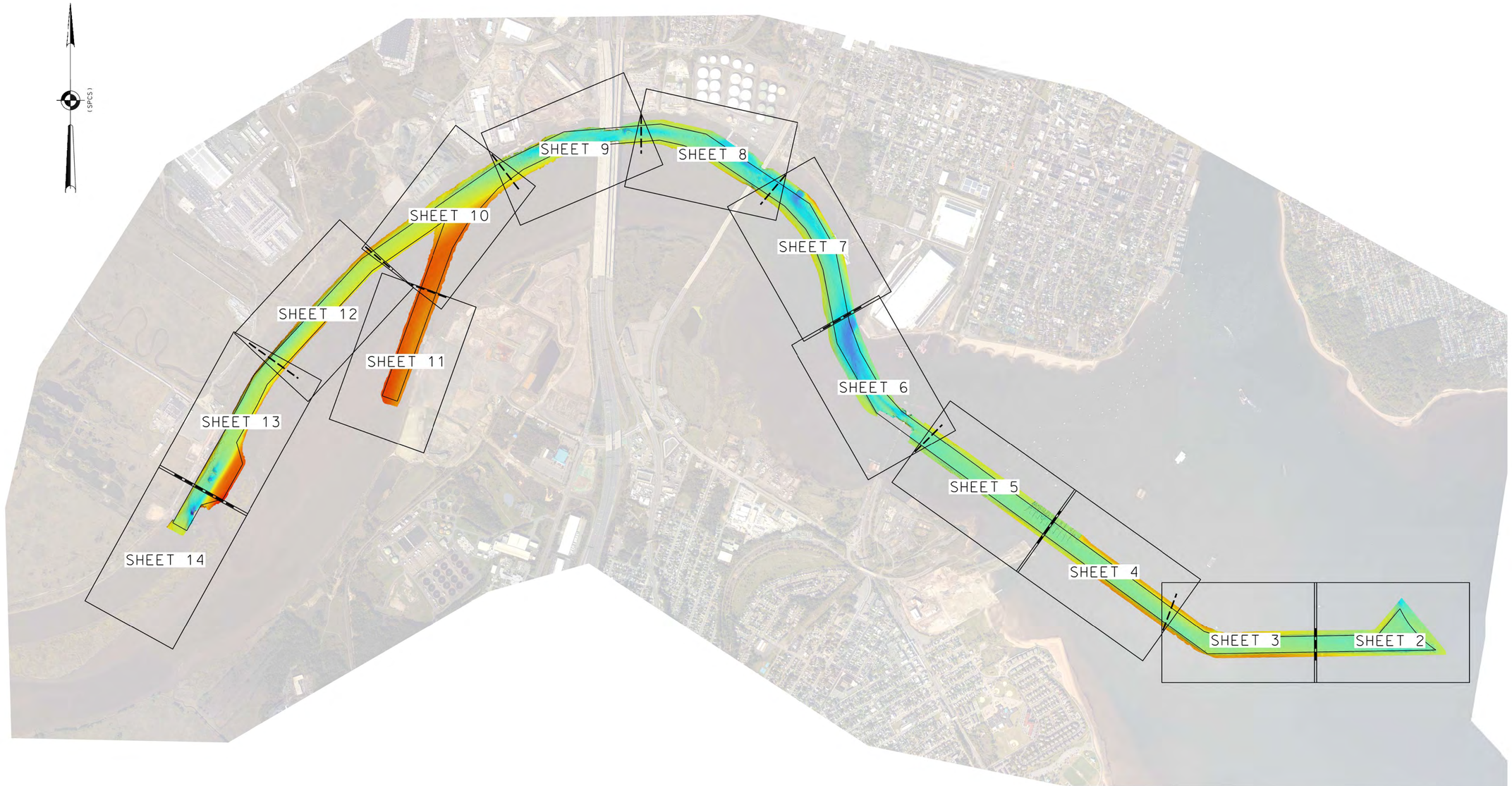


0 1000' 2000'

NSRS BENCHMARK	LOCAL CONTROL
BENCHMARK: B 5 (PID:KN0006)	BENCHMARK: BM SBR
ELEVATION: 63.49' (NAVD 1988)	ELEVATION: 8.58' (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 3.0-3.1 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 NEW JERSEY IMAGERY WAREHOUSE 2020 AND IS FOR ORIENTATION PURPOSES ONLY.
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "NYDOT".

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	PR	CAM ESD
	MP	CAM

DATES OF SURVEY:
9,23,28,30 OCTOBER 2024
19 NOV 2024

REQ. NO./FILE NO.: 5491/01/AL/NZ

SCALE:
ONE INCH = 1000 FEET

FIELD BOOKS:
1028 1046

APPROVED: P. KEARNS FIELD CARTOGRAPHER
APPROVED: M. FIORITE CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BRIAUR CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MICZ DEPUTY FOR SURVEYS AND MAPPING BRANCH
DATE: 26 NOVEMBER 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

RARITAN RIVER
NEW JERSEY
CONDITION SURVEY

VH-101

1 OF 14

(SPCS)

RED #2 W/BELL
FLOOD
OCTOBER 9 2024

RED NUN #6
FLOOD
OCTOBER 9 2024

GREEN CAN #5
FLOOD
OCTOBER 9 2024

X6
T3
2A
2
3

MATCH TO SHEET 3

0 100' 200'

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

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	CAM ESO
WP	CAM

DATES OF SURVEY:
9, 23, 28, 30 OCTOBER 2024
19 NOV 2024

REQ. NO./FILE NO.: 5491/0/AL/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1028 1046

APPROVED:	P. KEARNS, FIELD CARTOGRAPHER
	M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MR. MICHAEL A. GRAZIANO, CHIEF, SOUTH CIVIL WORKS AND MAPPING BRANCH
DATE:	26 NOVEMBER 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

RARITAN RIVER
NEW JERSEY

CONDITION SURVEY

VH-102

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

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	CAM ESO
MP	CAM

DATES OF SURVEY:
9, 23, 28, 30 OCTOBER 2024
19 NOV 2024

REQ. NO./FILE NO.: 5491/0/AL/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1028 1046

APPROVED:	P. KEARNS, FIELD CARTOGRAPHER
	M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MICHAEL A. PIRRELLO, DEPUTY CHIEF, SURVEYS AND MAPPING BRANCH
DATE:	26 NOVEMBER 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

RARITAN RIVER
NEW JERSEY

CONDITION SURVEY

VH-103

3 OF 14

MATCH TO SHEET 5

MATCH TO SHEET 3

0 100' 200'

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

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	PR	CAM ESO
	MP	CAM

DATES OF SURVEY:
9, 23, 28, 30 OCTOBER 2024
19 NOV 2024

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1028
1046

REQ. NO./FILE NO.: 5491/O/AL/NZ

APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE AMEZ	DEPUTY CHIEF OF OPERATIONS AND MAPPING BRANCH
DATE:	26 NOVEMBER 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

RARITAN RIVER
NEW JERSEY

CONDITION SURVEY

VH-104

4 OF 14

0 100' 200'

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

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	CAM ESO
WP	CAM

DATES OF SURVEY:
9, 23 28 30 OCTOBER 2024
19 NOV 2024

REQ. NO./FILE NO.: 5491/0/AL/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1028 1046

APPROVED: P. KEARNS FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 26 NOVEMBER 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

RARITAN RIVER
NEW JERSEY
CONDITION SURVEY

VH-105

5 OF 14

MATCH TO SHEET 7

MATCH TO SHEET 5

RED #6 W/LIGHT
FLOOD
OCTOBER 23 2024

GREEN CAN #5
FLOOD
OCTOBER 23 2024

AREA CLOSED
TO NAVIGATION

0 100' 200'

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

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

		CAM	ESQ
		CAM	
		PR	
		MP	

DATES OF SURVEY:
9, 23, 28, 30 OCTOBER 2024
19 NOV 2024

REQ. NO./FILE NO.: 5491/O/AL/NZ

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1028
1046

APPROVED: P. KEARNS, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, CHIEF OF SURVEY SUPPORT SECTION
APPROVED: J. MEAD, DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 26 NOVEMBER 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

RARITAN RIVER
NEW JERSEY

CONDITION SURVEY

VH-106

6 OF 14

RED #8 W/LIGHT
FLOOD
OCTOBER 23 2024

GREEN CAN #7
FLOOD
OCTOBER 23 2024

MATCH TO SHEET 8

MATCH TO SHEET 6

0 100' 200'

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

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	CAM ESQ
WP	CAM

DATES OF SURVEY:
9, 23, 28, 30 OCTOBER 2024
19 NOV 2024

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1028
1046

REQ. NO./FILE NO.: 5491/O/AL/NZ

APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE A. GRAPICS AND MAPPING BRANCH	DEPUTY CHIEF, OPERATIONS DIVISION
DATE:	26 NOVEMBER 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

RARITAN RIVER
NEW JERSEY

CONDITION SURVEY

VH-107

7 OF 14

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

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

		CAM ESQ	
		CAM	
		PR	
		WP	

DATES OF SURVEY:
9, 23, 28, 30 OCTOBER 2024
19 NOV 2024

REG. NO./FILE NO.: 5491/0/AL/NZ

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1028
1046

APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ARCHER	DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE:		26 NOVEMBER 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

RARITAN RIVER
NEW JERSEY

CONDITION SURVEY

VH-108

8 OF 14

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

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	CAM ESQ
WP	CAM

DATES OF SURVEY:
9, 23, 28, 30 OCTOBER 2024
19 NOV 2024

REQ. NO./FILE NO.: 5491/0/AL/NZ

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1028, 1046

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:	26 NOVEMBER 2024

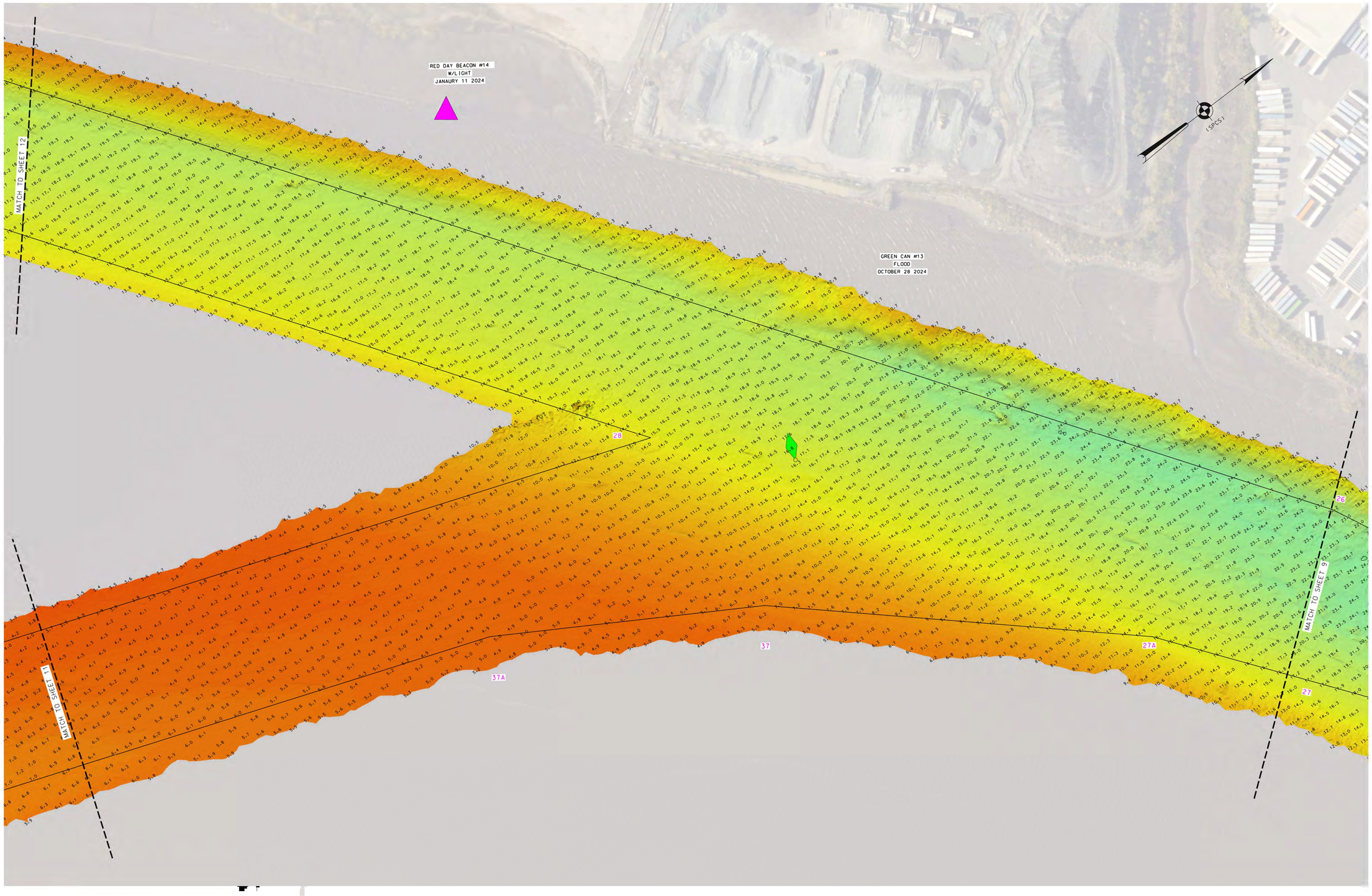
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U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

RARITAN RIVER
NEW JERSEY
CONDITION SURVEY

VH-109

9 OF 14



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

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	CAM ESQ
VP	CAM

DATES OF SURVEY:
9, 23, 28, 30 OCTOBER 2024
19 NOV 2024

REQ. NO./FILE NO.: 5491/0/AL/NZ

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1028 1046

APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ARAZ	DEPUTY CHIEF, GRAPHICS AND MAPPING BRANCH
DATE:		26 NOVEMBER 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

RARITAN RIVER
NEW JERSEY

CONDITION SURVEY

VH-110

10 OF 14

(SPCS)

39A

39

MATCH TO SHEET 10

0 100' 200'

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

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	CAM ESO
WP	CAM

DATES OF SURVEY:
9, 23, 28, 30 OCTOBER 2024
19 NOV 2024

REQ. NO./FILE NO.: 5491/0/AL/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1028, 1046

APPROVED:	P. KEARNS	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	MIKE ARAGONA DEPUTY CHIEF, SURVEYS AND MAPPING BRANCH	DATE: 26 NOVEMBER 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

RARITAN RIVER
NEW JERSEY

CONDITION SURVEY

VH-111

11 OF 14

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

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	CAM ESO
WP	CAM

DATES OF SURVEY:
9, 23, 28, 30 OCTOBER 2024
19 NOV 2024

REQ. NO./FILE NO.: 5491/0/AL/NZ

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1028, 1046

APPROVED: P. KEARNS — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR — CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE — DEPUTY CHIEF, GRAPHICS AND MAPPING BRANCH
DATE: 26 NOVEMBER 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

RARITAN RIVER
NEW JERSEY
CONDITION SURVEY

VH-112

12 OF 14

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

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	PR	CAM ESQ
	WP	CAM

DATES OF SURVEY:
9, 23, 28, 30 OCTOBER 2024
19 NOV 2024

REG. NO./FILE NO.: 5491/0/AL/NZ

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1028, 1046

APPROVED: P. KEARNS — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR — CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MEAZ — CHIEF OF GRAPHICS AND MAPPING BRANCH
DATE: 26 NOVEMBER 2024

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

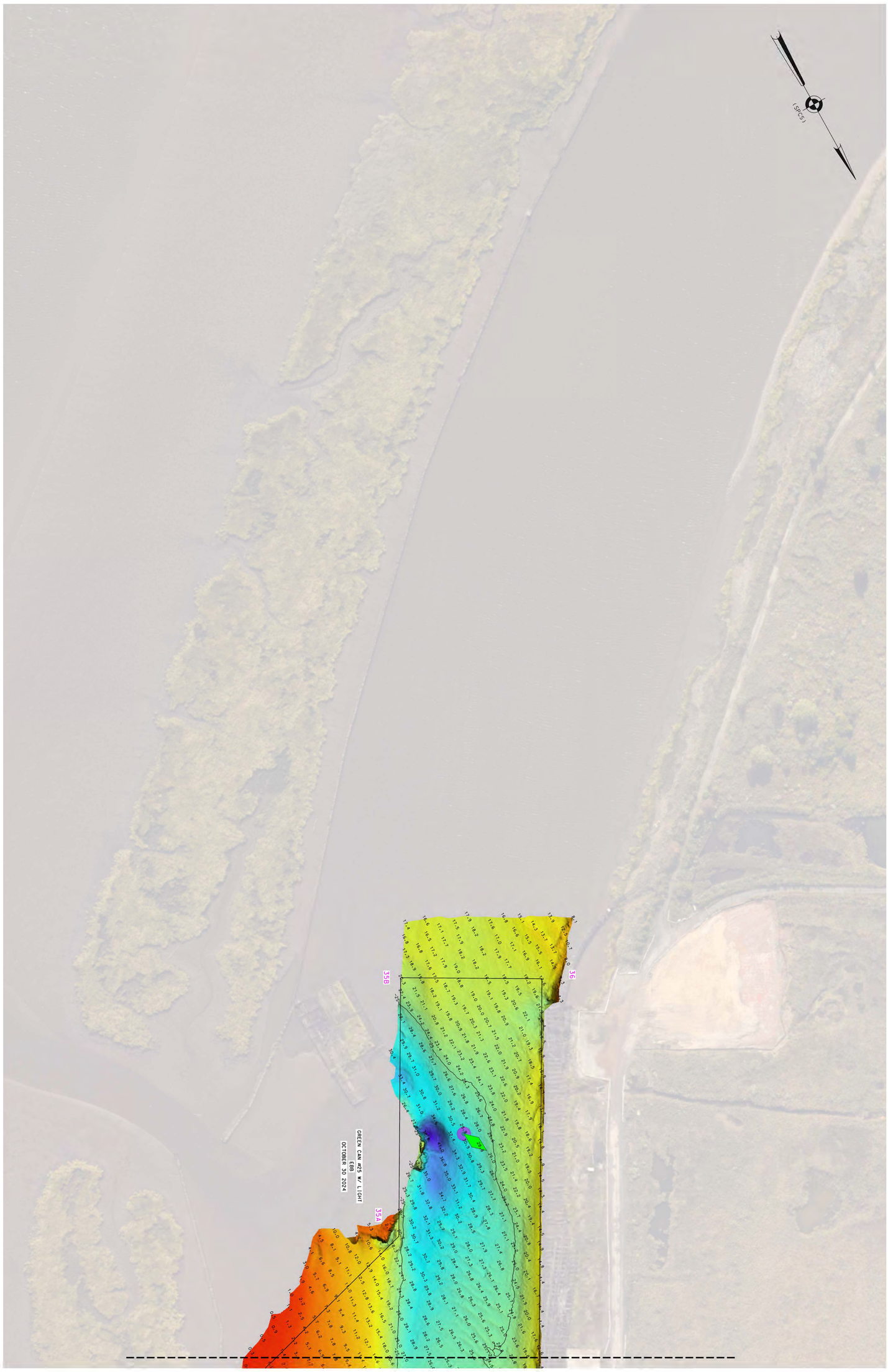
OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

RARITAN RIVER
NEW JERSEY

CONDITION SURVEY

VH-113

13 OF 14



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

RARITAN RIVER

VH-114
BLDG ID

PROJECT/CONTRACT LOCATION 1
PROJECT/CONTRACT DESCRIPTION 2
PROJECT/CONTRACT DESCRIPTION / IDENTIFIER 3
PROJECT/CONTRACT IDENTIFIER IF NEEDED 4

SHEET TITLE ROW 1
SHEET TITLE ROW 2
CONDITION SURVEY
SHEET TITLE ROW 3

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

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH

DESIGNER P. KEARNS MM/MM/YYYY
FIELD CARTOGRAPHER
DRAWER: M. FOR XXXXXXXXXX
CHECKER P. BHAZ XXXXXXXXXX
CIVIL ENGINEERING TECHNICIAN
SUBMITTER J. MRAZ
CHIEF OF SURVEY SUPPORT SECTION
APPD DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
26 NOVEMBER 2024

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1028 1046

DATES OF SURVEY:
9 23 28 30 OCTOBER 2024
19 NOV 2024

REQ. NO./FILE NO.: 5491/D/AL/N2

PR	CAM ESO
MP	CAM

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

%STATUS%

8:40:20 AM 11/26/2024

PD:

5491_Raritan River_map.dgn

DS: