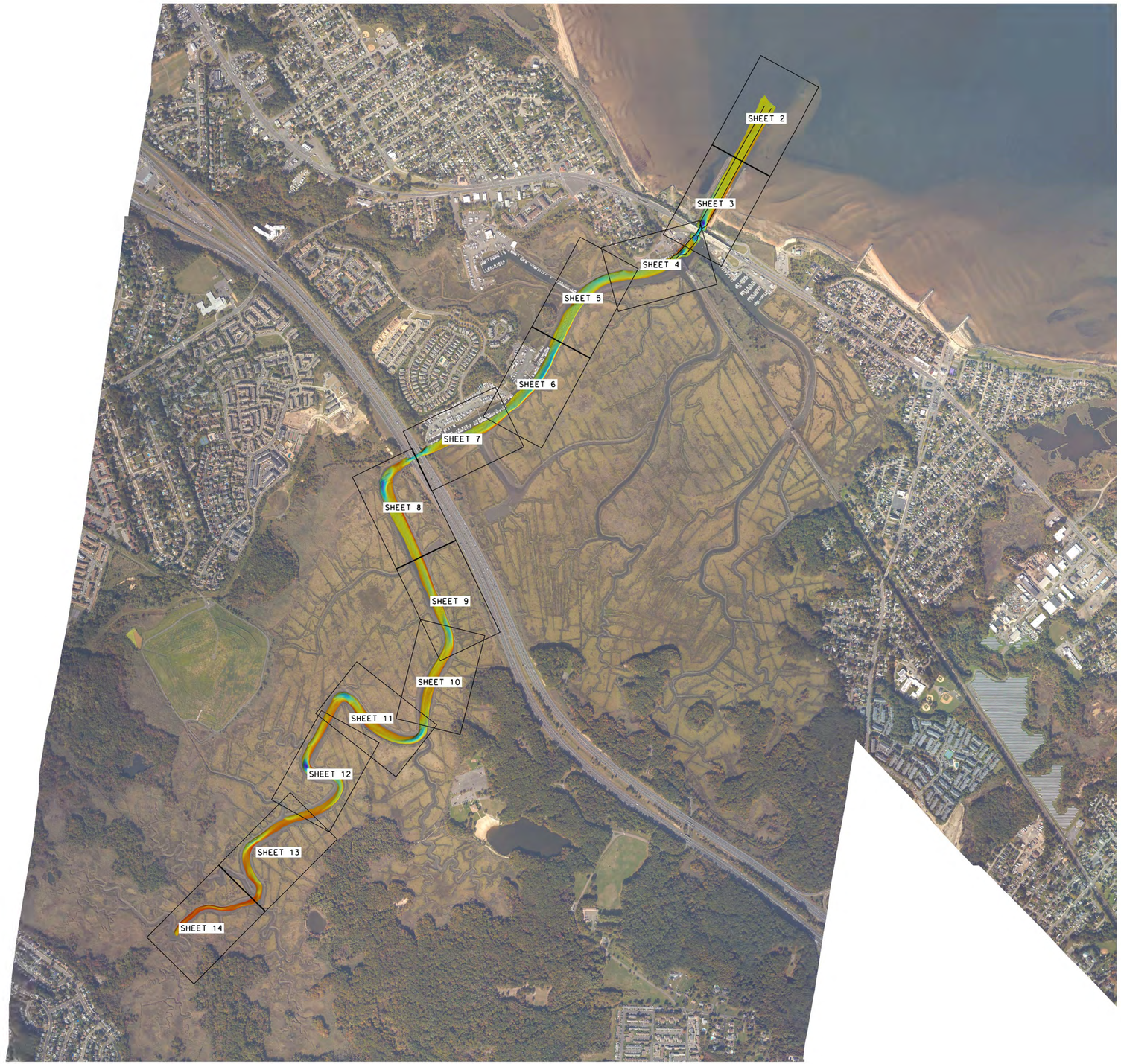


(SPCS)

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 15' 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 NJGIS 2022 AND IS FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "NYDOT" & "CHEESEQUAKE".

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: CHEESEQUAKE	BENCHMARK: X36 (PID:KV0770)
ELEVATION: 8.26' (NAVD 1988)	ELEVATION: 10.11' (NAVD 1988)

0 1000' 2000'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	CM-RR	
VP	CM-RR	

DATES OF SURVEY:
25 JUNE 2024
1 JULY 2024

SCALE: ONE INCH = 1000 FEET

FIELD BOOKS:
DNA3

REQ. NO./FILE NO.: 5451/AL/A4

APPROVED: M.MCDERMOTT, N.VITOLO
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MKZ
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 08 JULY 2024

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

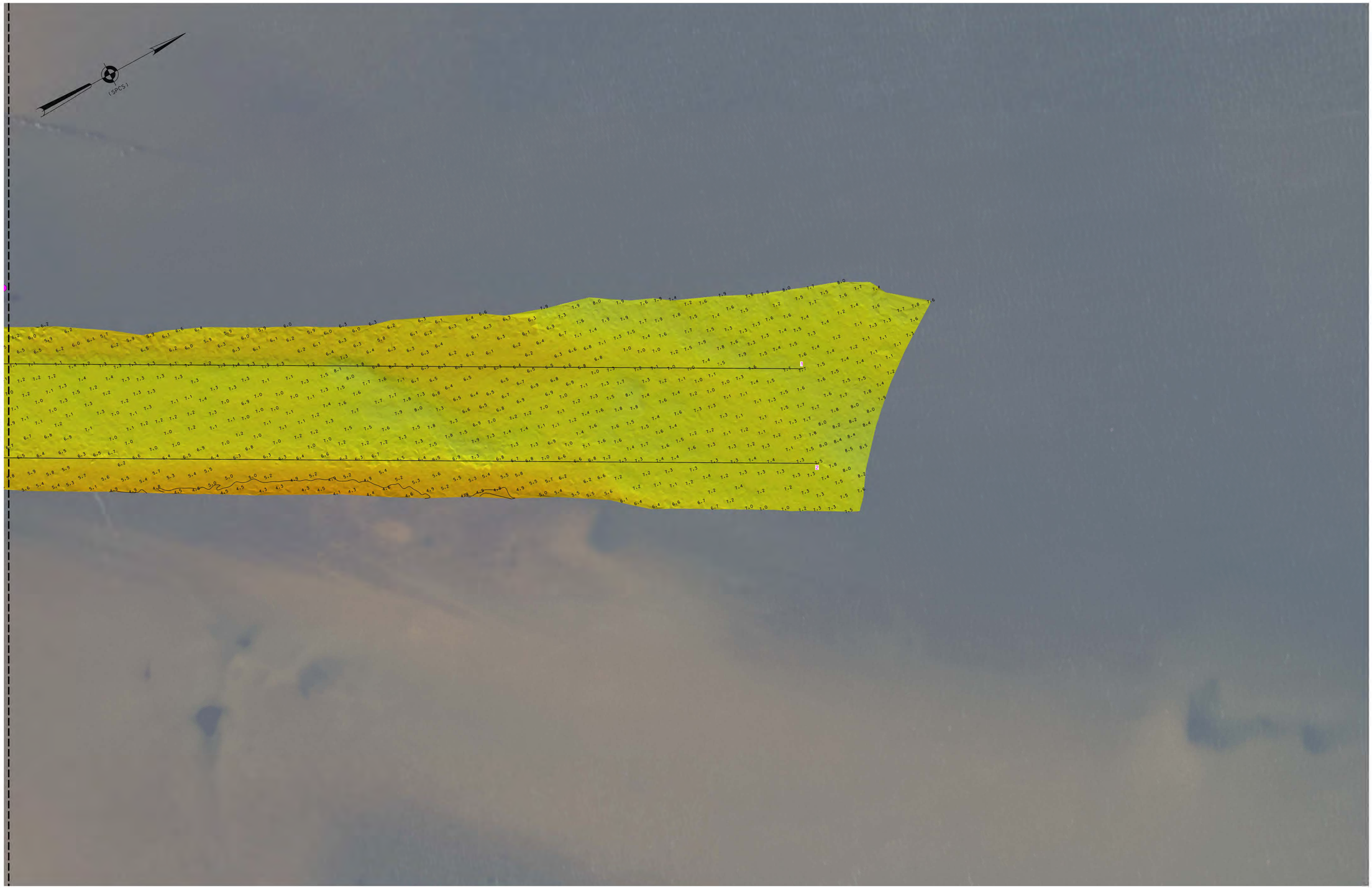
OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

CHEESEQUAKE CREEK
NEW JERSEY

CONDITION SURVEY

VH-101

1 OF 14



LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: CHEESEQUAKE	BENCHMARK: X36 (PID:KV0770)
ELEVATION: 8.26' (NAVD 1988)	ELEVATION: 10.11' (NAVD 1988)

REFER TO SHEET VH-101 FOR PROJECT SPECIFIC NOTES

0 50' 100'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	CM-RR	
MP	CM-RR	

DATES OF SURVEY:
25 JUNE 2024
1 JULY 2024

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
DNA3

REQ. NO./FILE NO.: 5451/AL/N4

APPROVED: M.MCDERMOTT, N.VITOLO
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: M. MRAZ
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 08 JULY 2024

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

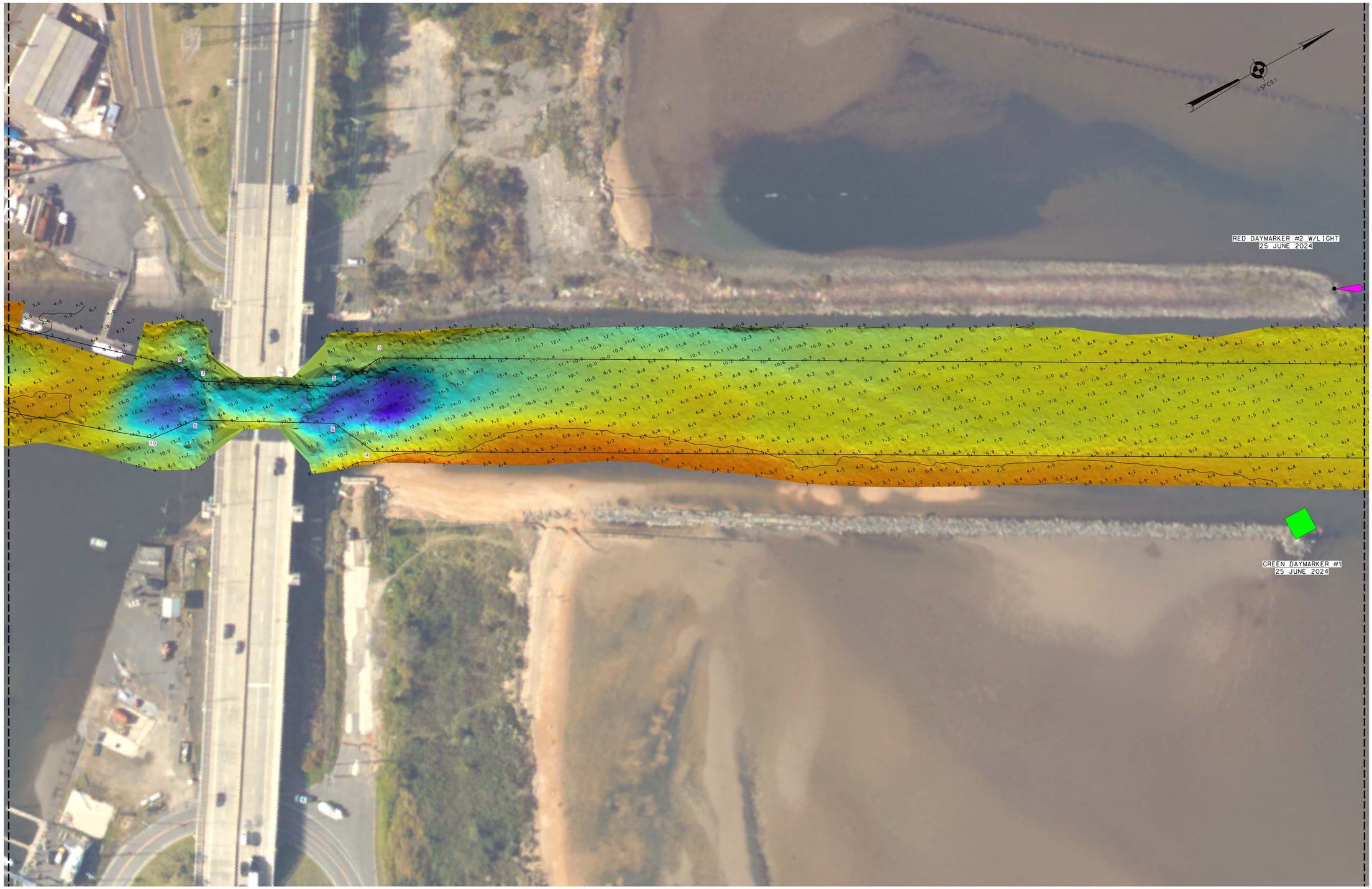
OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

CHEESEQUAKE CREEK
NEW JERSEY

CONDITION SURVEY

VH-102

2 OF 14



LOCAL CONTROL DATA
BENCHMARK: CHEESEQUAKE
ELEVATION: 8.26' (NAVD 1988)

NSRS BENCHMARK
BENCHMARK: X36 (PID:KV0770)
ELEVATION: 10.11' (NAVD 1988)

REFER TO SHEET VH-101 FOR PROJECT SPECIFIC NOTES

0 50' 100'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	CM-RR	
MP	CM-RR	

DATES OF SURVEY:
25 JUNE 2024
1 JULY 2024

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
DNA3

REQ. NO./FILE NO.: 5451/AL/N4

APPROVED: M.MCDERMOTT, N.VITOLO
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: 08 JULY 2024

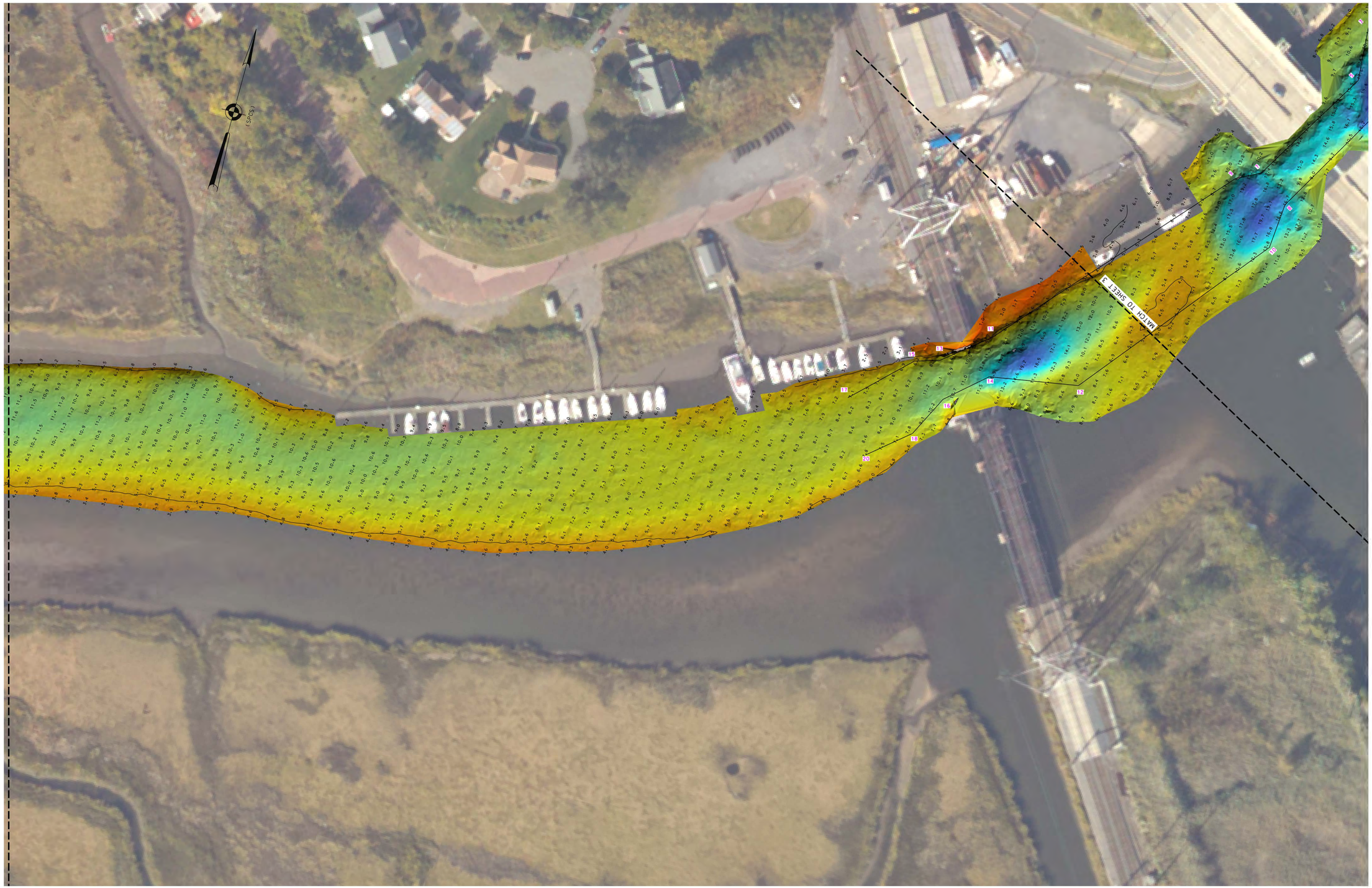
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

CHEESEQUAKE CREEK
NEW JERSEY

CONDITION SURVEY

VH-103



LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: CHEESEQUAKE	BENCHMARK: X36 (PID:KV0770)
ELEVATION: 8.26' (NAVD 1988)	ELEVATION: 10.11' (NAVD 1988)

REFER TO SHEET VH-101 FOR PROJECT SPECIFIC NOTES

0 50' 100'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	CM-RR	
MP	CM-RR	

SCALE: ONE INCH = 50 FEET

DATES OF SURVEY:
25 JUNE 2024
1 JULY 2024

FIELD BOOKS:
DNA3

REQ. NO./FILE NO.: 15451/AL/N4

APPROVED: M.MCDERMOTT, N.VITOLO
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MEAZ
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 08 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

CHEESEQUAKE CREEK
NEW JERSEY

CONDITION SURVEY

VH-104

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: CHEESEQUAKE ELEVATION: 8.26' (NAVD 1988)	BENCHMARK: X36 (PID:KV0770) ELEVATION: 10.11' (NAVD 1988)

REFER TO SHEET VH-101 FOR PROJECT SPECIFIC NOTES

0 50' 100'

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

PR	CM-RR	
MP	CM-RR	

DATES OF SURVEY:
25 JUNE 2024
1 JULY 2024

SCALE: ONE INCH = 50 FEET

FIELD BOOKS: DNA3

REQ. NO./FILE NO.: 5451/AL/N4

APPROVED: M.MCDERMOTT, N.VITOLO
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MRAZ
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 08 JULY 2024

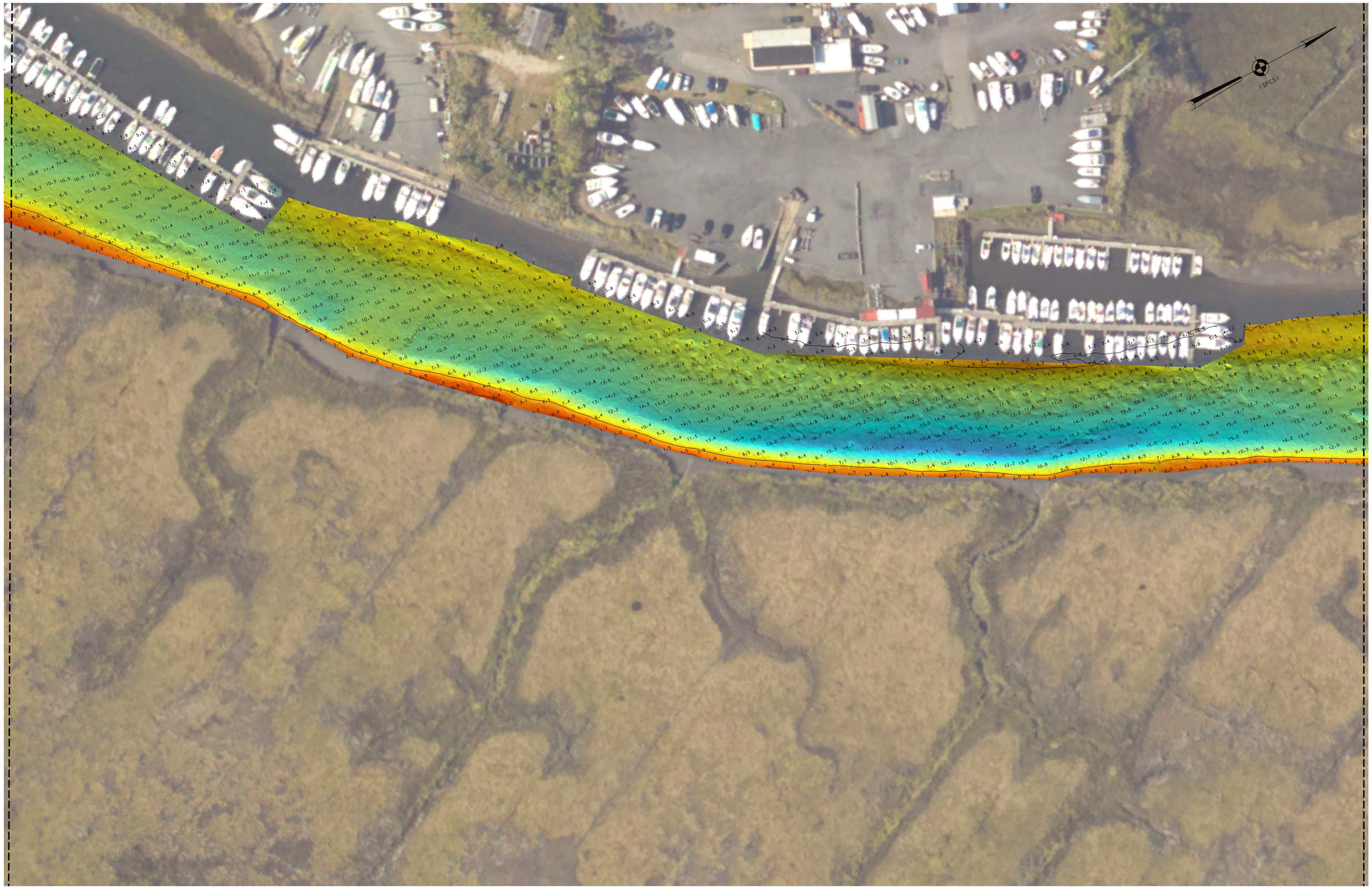
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

CHEESEQUAKE CREEK
NEW JERSEY

CONDITION SURVEY

VH-105



LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: CHEESEQUAKE ELEVATION: 8.26' (NAVD 1988)	BENCHMARK: X36 (PID:KV0770) ELEVATION: 10.11' (NAVD 1988)

REFER TO SHEET VH-101 FOR PROJECT SPECIFIC NOTES

0 50' 100'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	CM-RR	
MP	CM-RR	

DATES OF SURVEY:
25 JUNE 2024
1 JULY 2024

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
DNA3

REQ. NO./FILE NO.: 5451/AL/N4

APPROVED: M.MCDERMOTT, N.VITOLO
FIELD CARTOGRAPHER
APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION
APPROVED: MIKE
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 08 JULY 2024

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

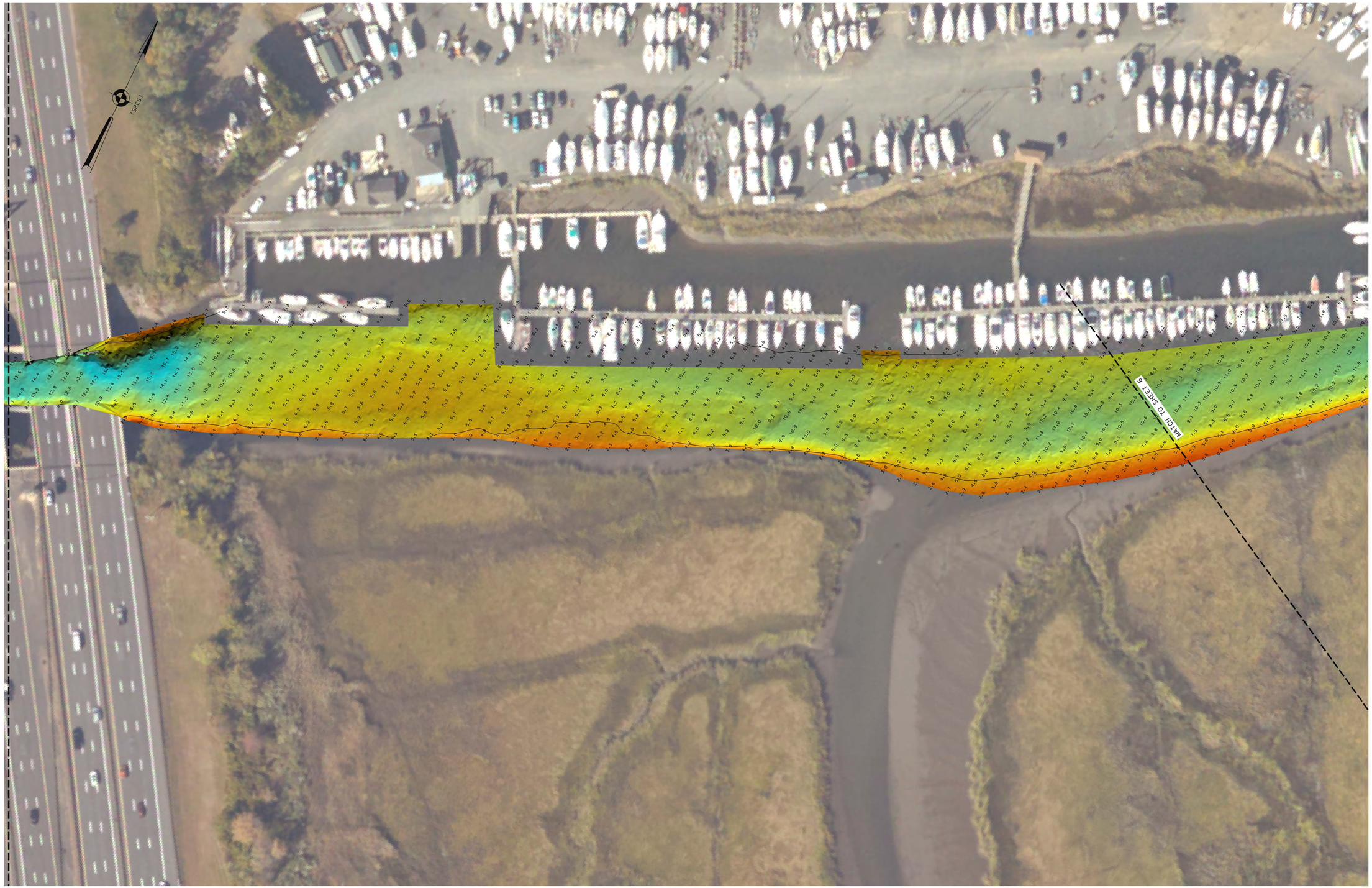
OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

CHEESEQUAKE CREEK
NEW JERSEY

CONDITION SURVEY

VH-106

6 OF 14



LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: CHEESEQUAKE	BENCHMARK: X36 (PID:KV0770)
ELEVATION: 8.26' (NAVD 1988)	ELEVATION: 10.11' (NAVD 1988)

REFER TO SHEET VH-101 FOR PROJECT SPECIFIC NOTES

0 50' 100'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	CM-RR	
MP	CM-RR	

DATES OF SURVEY:
25 JUNE 2024
1 JULY 2024

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
DNA3

REQ. NO./FILE NO.: 5451/AL/N4

APPROVED: M.MCDERMOTT, N.VITOLO
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MEAZ
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 08 JULY 2024

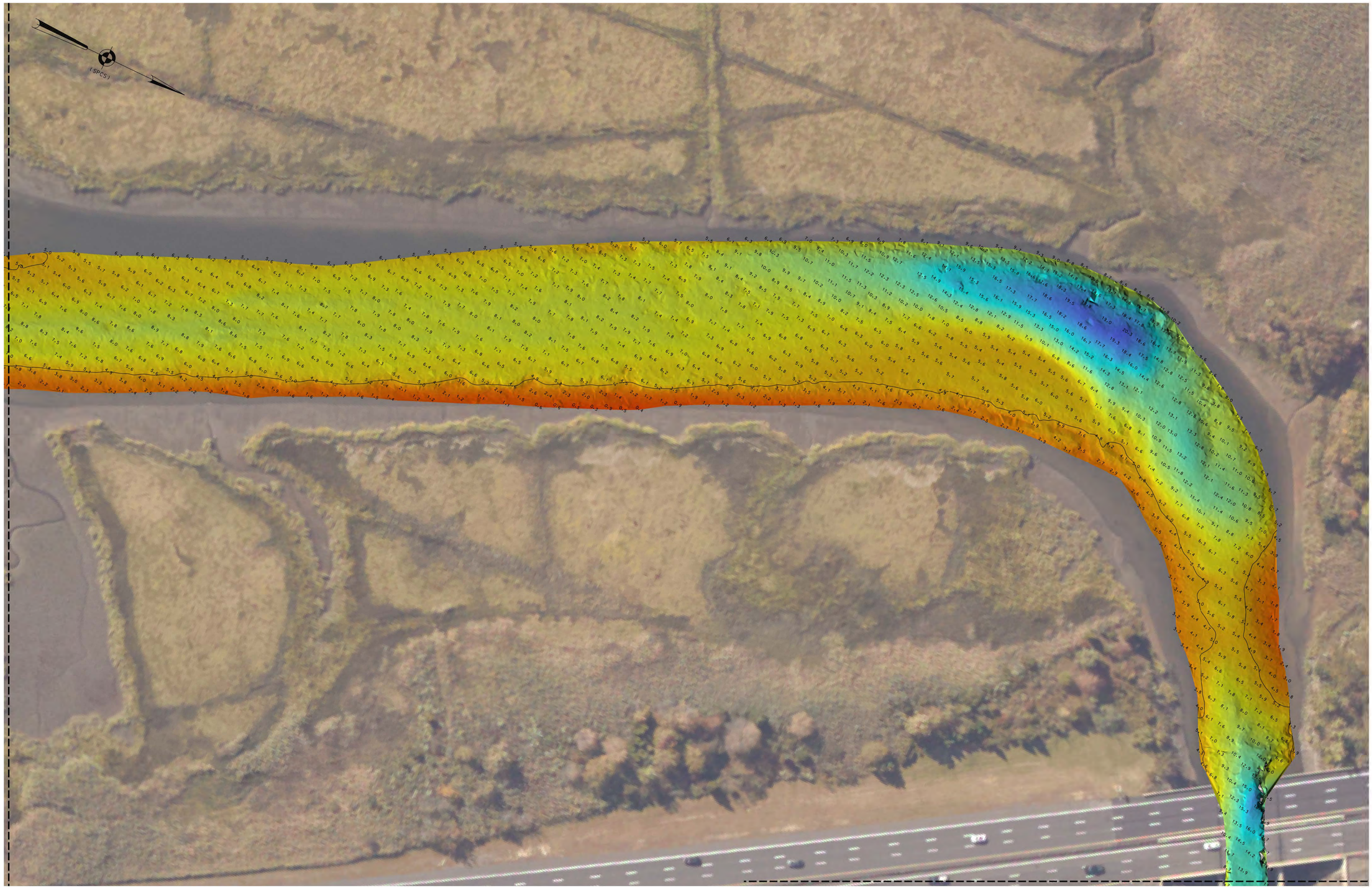
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

CHEESEQUAKE CREEK
NEW JERSEY

CONDITION SURVEY

VH-107



LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: CHEESEQUAKE	BENCHMARK: X36 (PID:KV0770)
ELEVATION: 8.26' (NAVD 1988)	ELEVATION: 10.11' (NAVD 1988)

REFER TO SHEET VH-101 FOR PROJECT SPECIFIC NOTES

0 50' 100'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	CM-RR	
MP	CM-RR	

DATES OF SURVEY:
25 JUNE 2024
1 JULY 2024

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
DNA3

REQ. NO./FILE NO.: 5451/AL/N4

APPROVED: M.MCDERMOTT, N.VITOLO
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MRAZ
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 08 JULY 2024

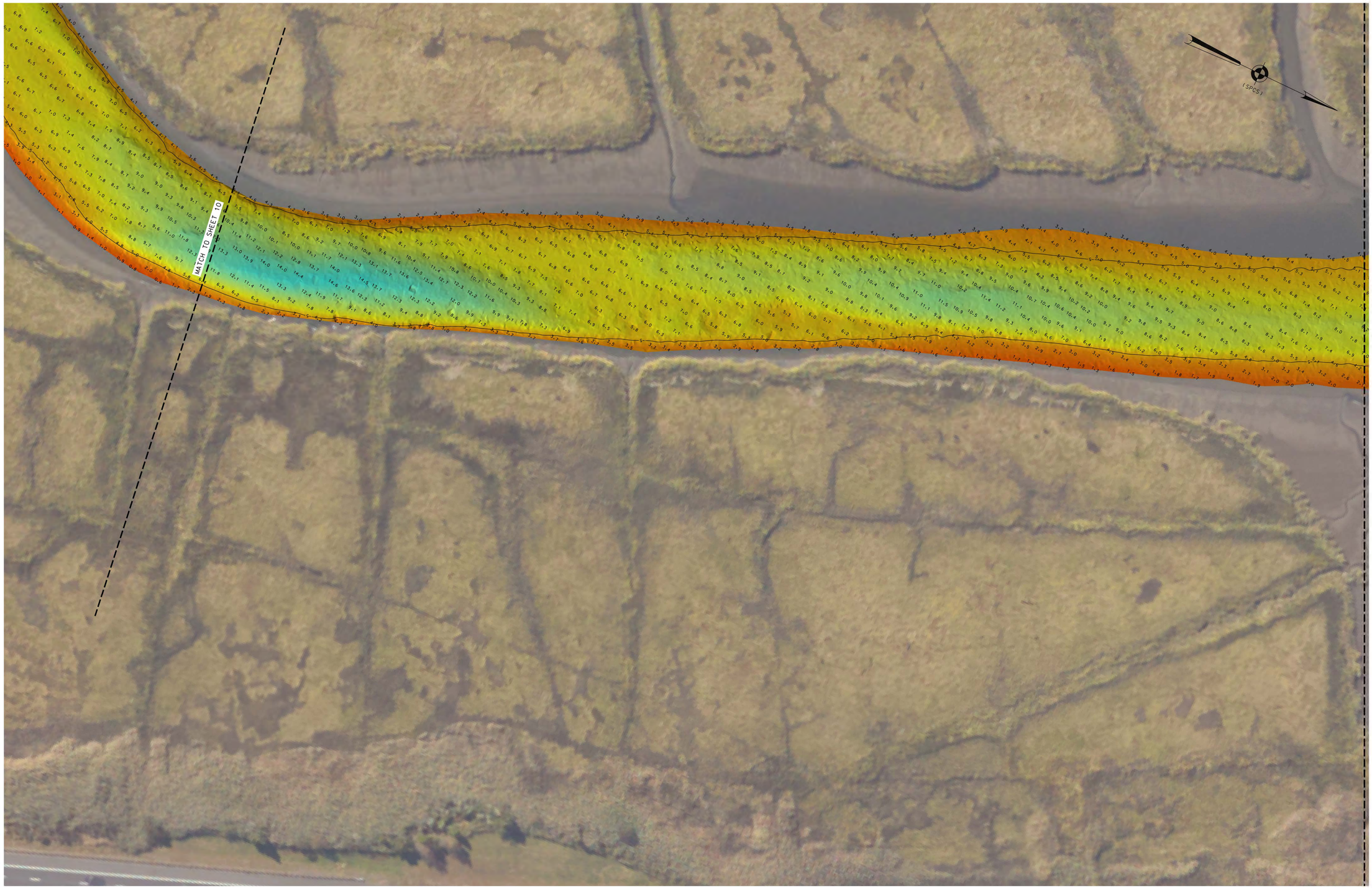
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

CHEESEQUAKE CREEK
NEW JERSEY

CONDITION SURVEY

VH-108



LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: CHEESEQUAKE	BENCHMARK: X36 (PID:KV0770)
ELEVATION: 8.26' (NAVD 1988)	ELEVATION: 10.11' (NAVD 1988)

REFER TO SHEET VH-101 FOR PROJECT SPECIFIC NOTES

0 50' 100'

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

PR	CM-RR	
MP	CM-RR	

DATES OF SURVEY:
25 JUNE 2024
1 JULY 2024

SCALE: ONE INCH = 50 FEET

FIELD BOOKS:
DNA3

REQ. NO./FILE NO.: 5451/AL/N4

APPROVED: M.MCDERMOTT, N.VITOLO
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MRAZ
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 08 JULY 2024

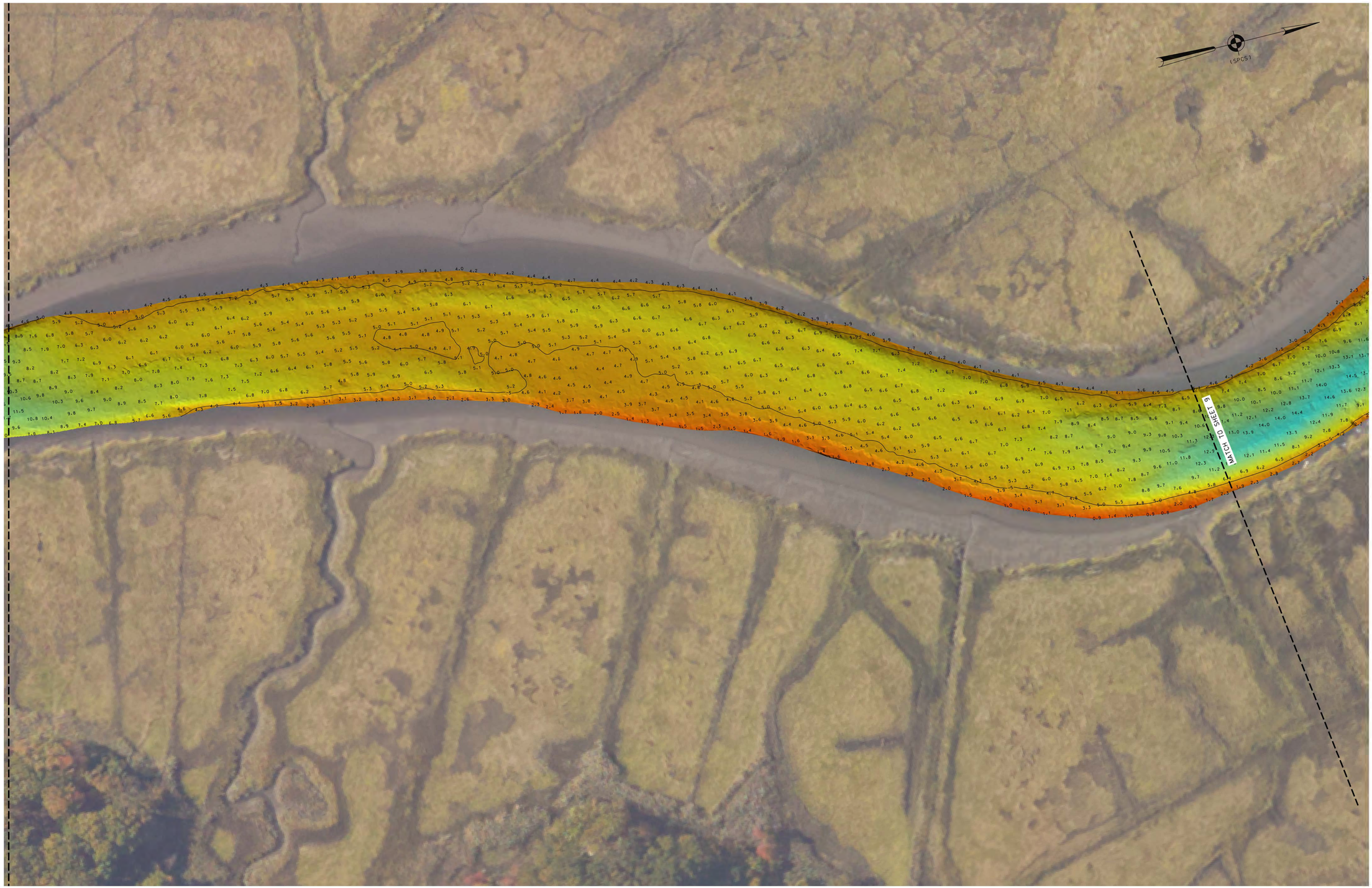
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

CHEESEQUAKE CREEK
NEW JERSEY

CONDITION SURVEY

VH-109



LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: CHEESEQUAKE ELEVATION: 8.26' (NAVD 1988)	BENCHMARK: X36 (PID:KV0770) ELEVATION: 10.11' (NAVD 1988)

REFER TO SHEET VH-101 FOR PROJECT SPECIFIC NOTES

0 50' 100'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	CM-RR	
MP	CM-RR	

DATES OF SURVEY:
25 JUNE 2024
1 JULY 2024

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
DNA3

REQ. NO./FILE NO.: 5451/AL/N4

APPROVED: M.MCDERMOTT, N.VITOLO
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MIKE
DEPUTY CHIEF SURVEYS AND MAPPING BRANCH

DATE: 08 JULY 2024

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

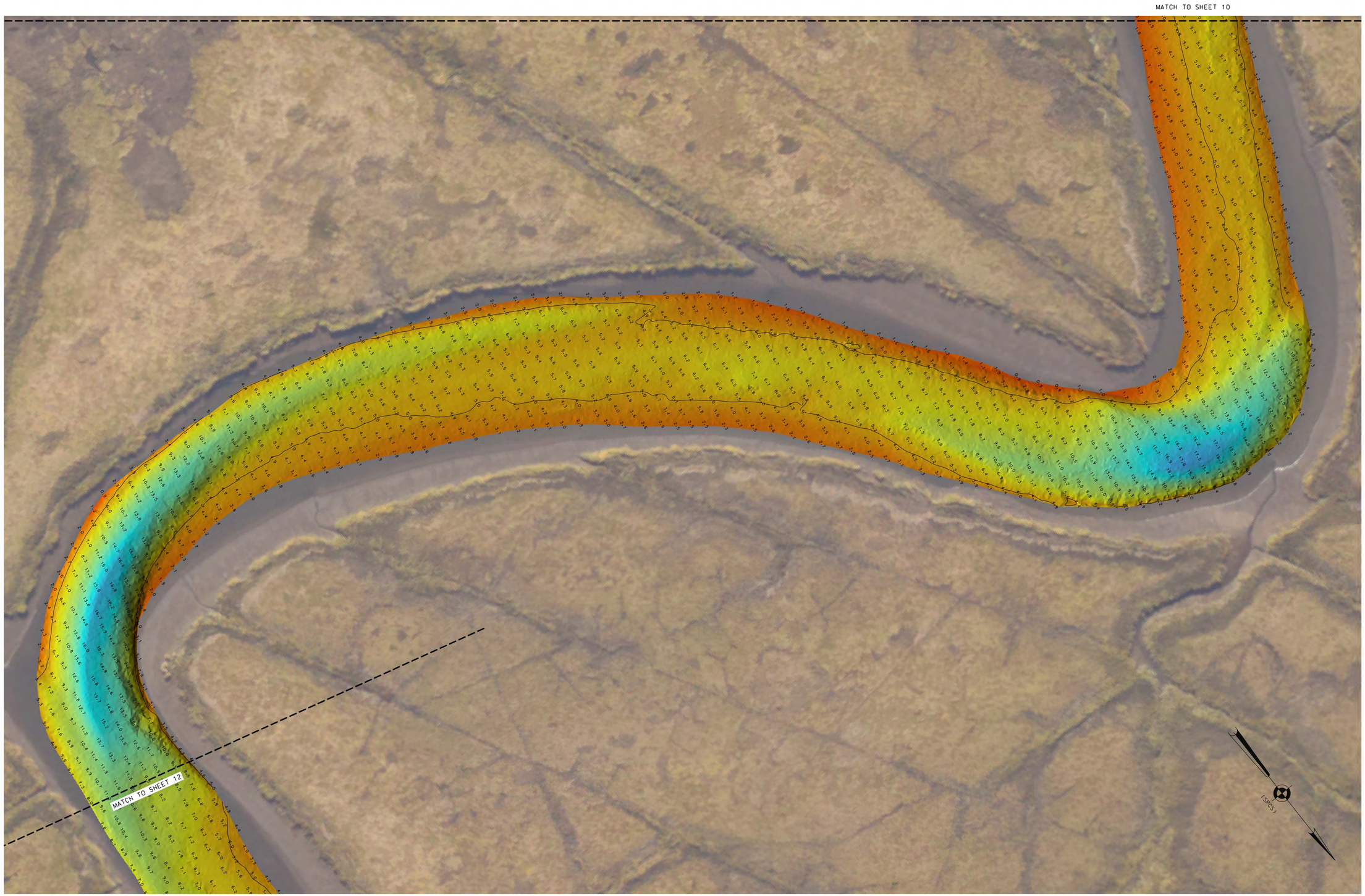
OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

CHEESEQUAKE CREEK
NEW JERSEY

CONDITION SURVEY

VH-110

10 OF 14



LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: CHEESEQUAKE	BENCHMARK: X36 (PID:KV0770)
ELEVATION: 8.26' (NAVD 1988)	ELEVATION: 10.11' (NAVD 1988)

REFER TO SHEET VH-101 FOR PROJECT SPECIFIC NOTES

0 50' 100'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	CM-RR	
MP	CM-RR	

DATES OF SURVEY:
25 JUNE 2024
1 JULY 2024

SCALE: ONE INCH = 50 FEET

FIELD BOOKS:
DNA3

REQ. NO./FILE NO.: 5451/AL/N4

APPROVED: M.MCDERMOTT, N.VITOLO
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: M. MRAZ
DEPUTY CHIEF SURVEYS AND MAPPING BRANCH

DATE: 08 JULY 2024

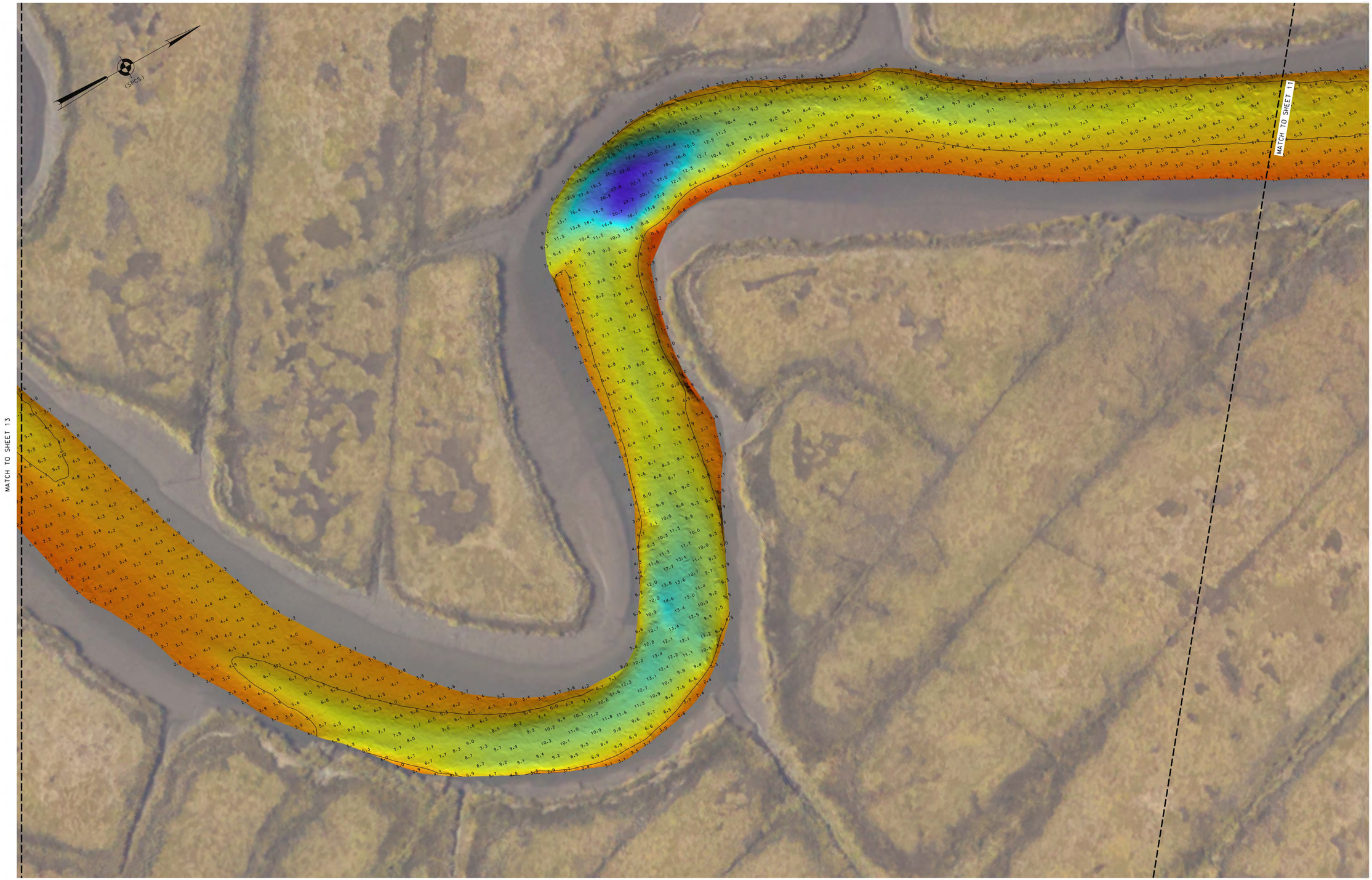
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

CHEESEQUAKE CREEK
NEW JERSEY

CONDITION SURVEY

VH-111



LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: CHEESEQUAKE	BENCHMARK: X36 (PID:KV0770)
ELEVATION: 8.26' (NAVD 1988)	ELEVATION: 10.11' (NAVD 1988)

REFER TO SHEET VH-101 FOR PROJECT SPECIFIC NOTES

0 50' 100'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	CM-RR	
MP	CM-RR	

DATES OF SURVEY:
25 JUNE 2024
1 JULY 2024

SCALE: ONE INCH = 50 FEET

FIELD BOOKS:
DNA3

REQ. NO./FILE NO.: 5451/AL/N4

APPROVED: M.MCDERMOTT, N.VITOLO
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MRAZ
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 08 JULY 2024

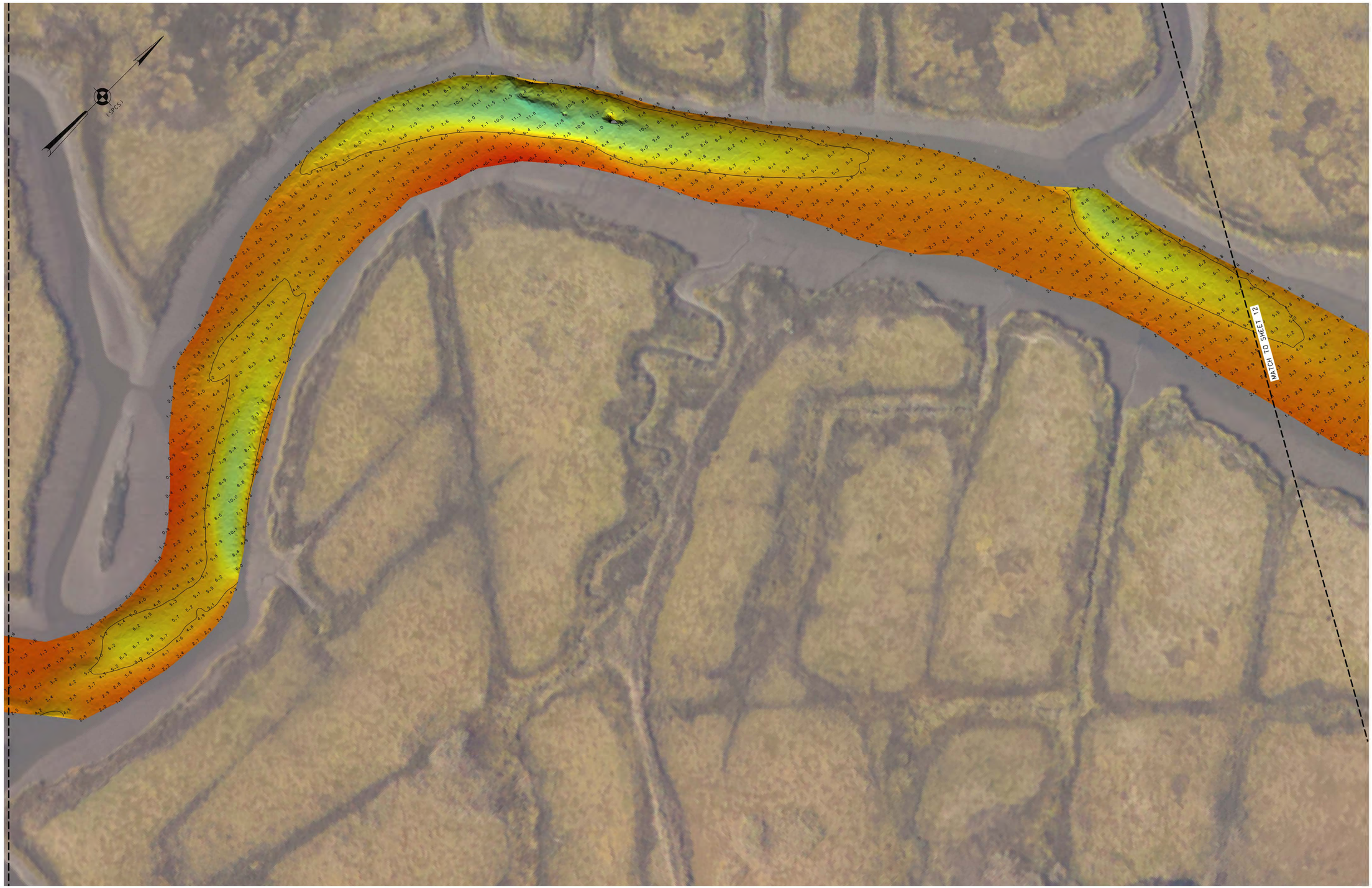
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CENAN-OP-SS

CHEESEQUAKE CREEK
NEW JERSEY

CONDITION SURVEY

VH-112



LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: CHEESEQUAKE	BENCHMARK: X36 (PID:KV0770)
ELEVATION: 8.26' (NAVD 1988)	ELEVATION: 10.11' (NAVD 1988)

REFER TO SHEET VH-101 FOR PROJECT SPECIFIC NOTES

0 50' 100'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	CM-RR	
MP	CM-RR	

DATES OF SURVEY:
25 JUNE 2024
1 JULY 2024

SCALE:
ONE INCH = 50 FEET

FIELD BOOKS:
DNA3

REQ. NO./FILE NO.: 5451/AL/N4

APPROVED: M.MCDERMOTT, N.VITOLO
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MRAZ
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 08 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

CHEESEQUAKE CREEK
NEW JERSEY

CONDITION SURVEY

VH-113

13 OF 14

LOCAL CONTROL DATA	NSRS BENCHMARK
BENCHMARK: CHEESEQUAKE	BENCHMARK: X36 (PID:KV0770)
ELEVATION: 8.26' (NAVD 1988)	ELEVATION: 10.11' (NAVD 1988)

REFER TO SHEET VH-101 FOR PROJECT SPECIFIC NOTES

0 50' 100'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PR	CM-RR	
MP	CM-RR	

DATES OF SURVEY:
25 JUNE 2024
1 JULY 2024

SCALE: ONE INCH = 50 FEET

FIELD BOOKS:
DNA3

REQ. NO./FILE NO.: 5451/AL/N4

APPROVED: M.MCDERMOTT, N.VITOLO
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CHIEF OF SURVEY SUPPORT SECTION

APPROVED: MREAZ
DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH

DATE: 08 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

CHEESEQUAKE CREEK
NEW JERSEY

CONDITION SURVEY

VH-114

14 OF 14