

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (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.
-COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983, LONG ISLAND LAMBERT - ZONE 3104, 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 0.7-1.3 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 4.3).
-SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 30' INTERVAL.
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-AERIAL IMAGERY PROVIDED BY NY GIS DATA NY (2020) AND IS FOR ORIENTATION PURPOSES ONLY.
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "LEICA SMARTNET & NYDOT".
-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	PR	EQ
	VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

SCALE:
ONE INCH = 3000 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 5180/N4

APPROVED: A. BERTOLOTTI, M.NYTOLD, M.MOSEMOTT
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARTOGRAPHER

APPROVED: J. MEZ
SURVEY CHIEF OF SURVEY

DATE: 30 JUNE 2022

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

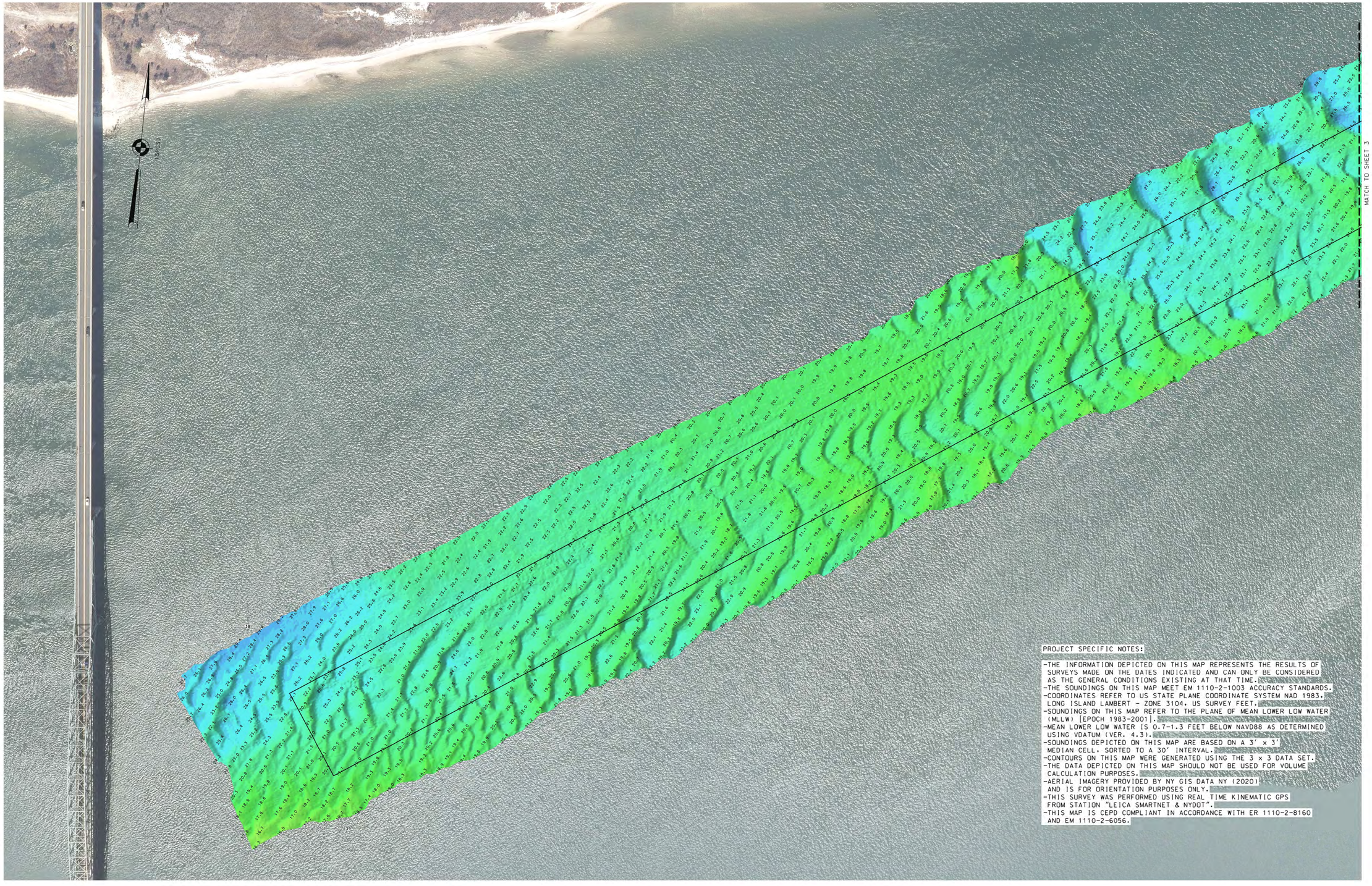
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-101

1 OF 30



PROJECT SPECIFIC NOTES:

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NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

0 100' 200'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

		PR	EQ
		VJP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

SCALE: ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 5180/N4

APPROVED:	J. BERTOLOTTI, FIELD CARTOGRAPHER
APPROVED:	M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR, LEAD CARTOGRAPHER
APPROVED:	J. MEZA, SURVEY CHIEF OF SURVEY
DATE:	30 JUNE 2022

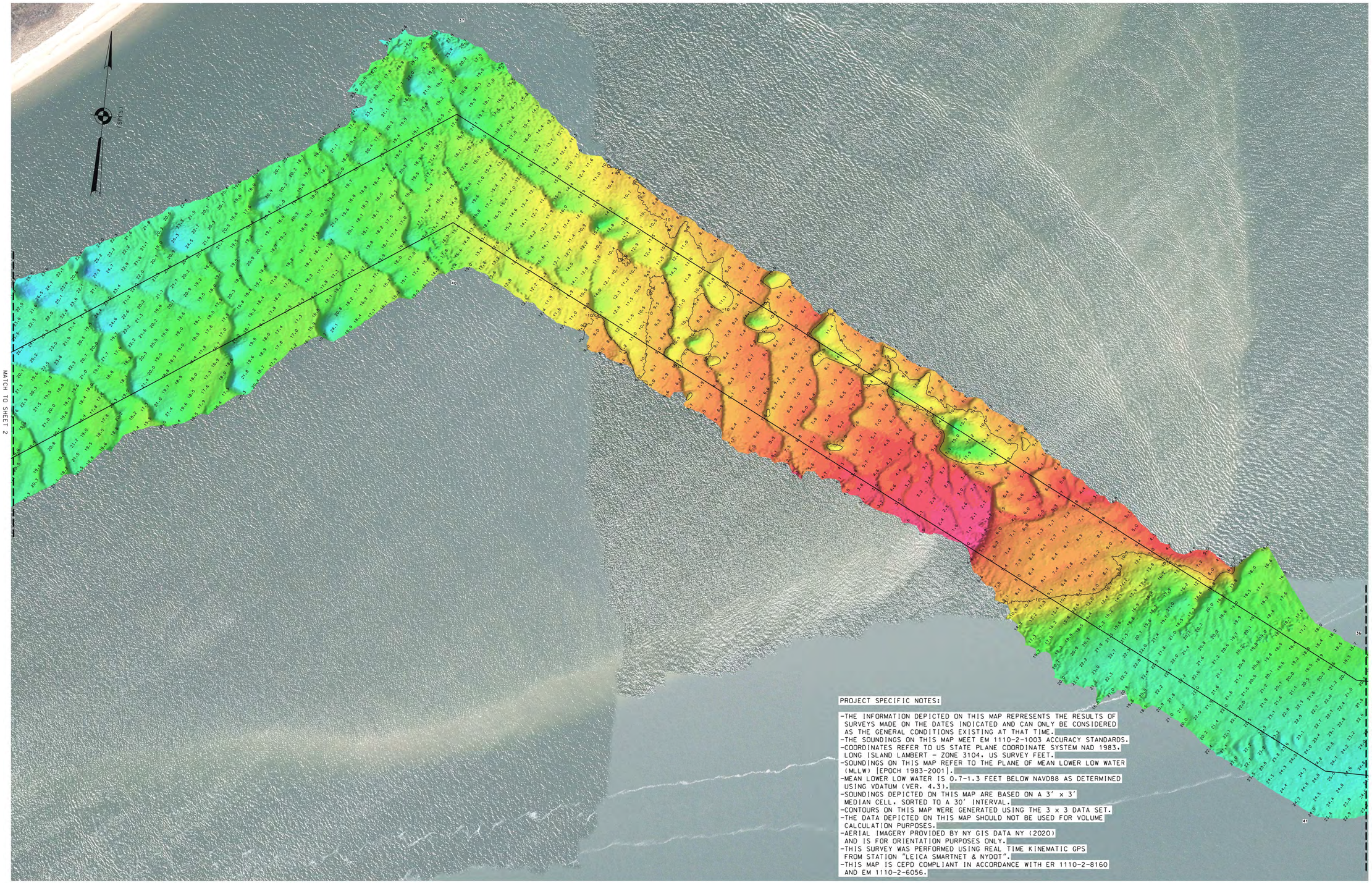
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-102



PROJECT SPECIFIC NOTES:

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NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

0 100' 200'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

		PR	EQ
		VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

SCALE: ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 5180/N4

APPROVED:	J. BERTOLOTTI	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	LEAD CARTOGRAPHER
APPROVED:	J. MERZ	SURVEY CHIEF OF SURVEY
DATE:	30 JUNE 2022	

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

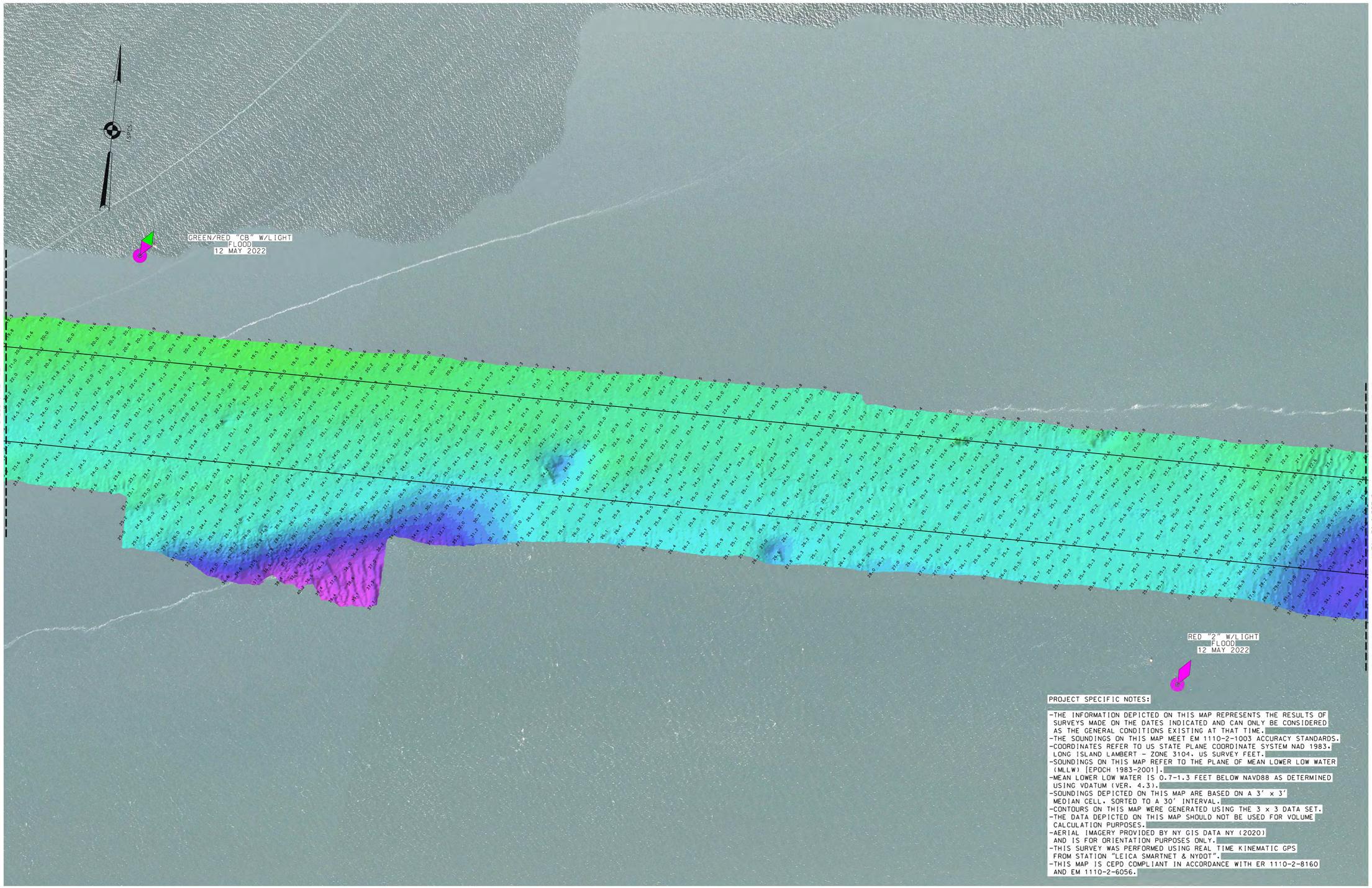
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-103

3 OF 30



PROJECT SPECIFIC NOTES:

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NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

0 100' 200'

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	PR	EQ
	VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

REQ. NO./FILE NO.: 5180/N4

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

APPROVED: J. BERTOLOTTI
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARTOGRAPHER

APPROVED: J. MERZ
SURVEY CHIEF OF SURVEY

DATE: 30 JUNE 2022

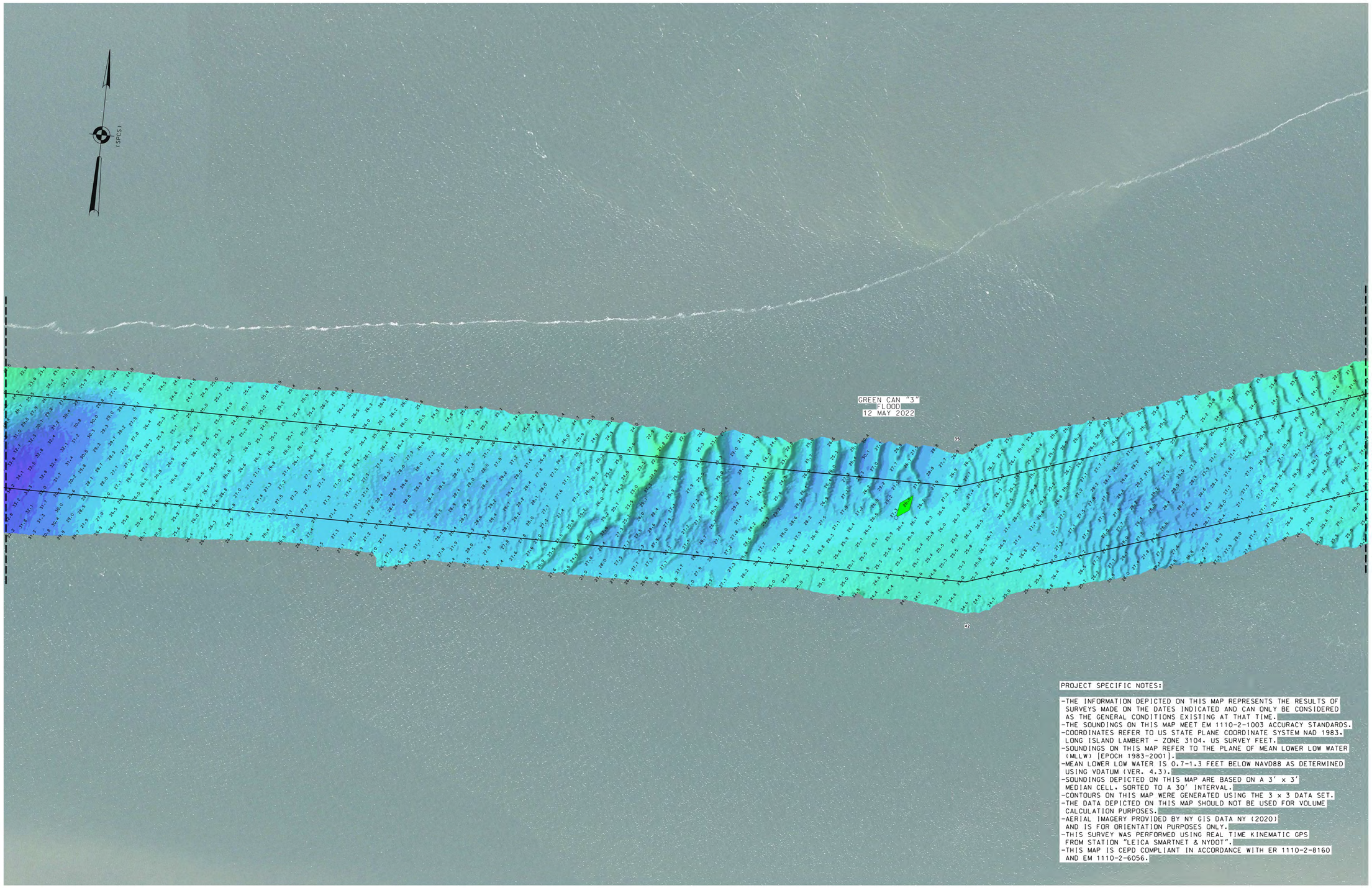
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-104



PROJECT SPECIFIC NOTES:

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NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	PR	EQ
	VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 5180/N4

APPROVED:	J. BERTOLOTTI, B.S.(OCEAN MANAGEMENT) FIELD CARTOGRAPHER
APPROVED:	M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR LEAD CARTOGRAPHER
APPROVED:	J. MEZA-ZEPEDA CHIEF OF SURVEY
DATE:	30 JUNE 2022

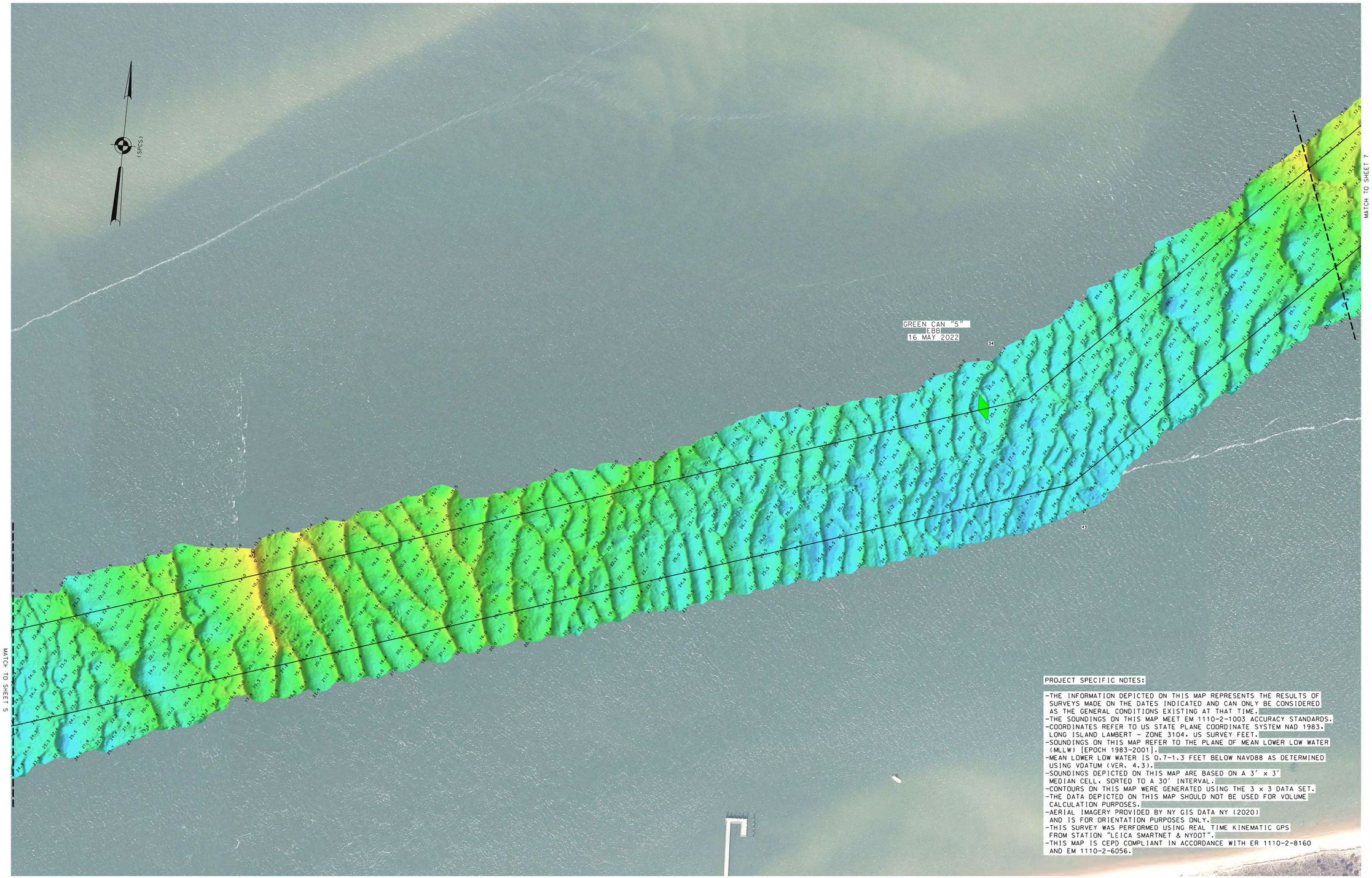
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH-105

5 OF 30



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.
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NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	EQ
VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 5180/N4

APPROVED: J. BERTOLOTTI
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARTOGRAPHER

APPROVED: J. MELZ
CHIEF OF SURVEY

DATE: 30 JUNE 2022

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

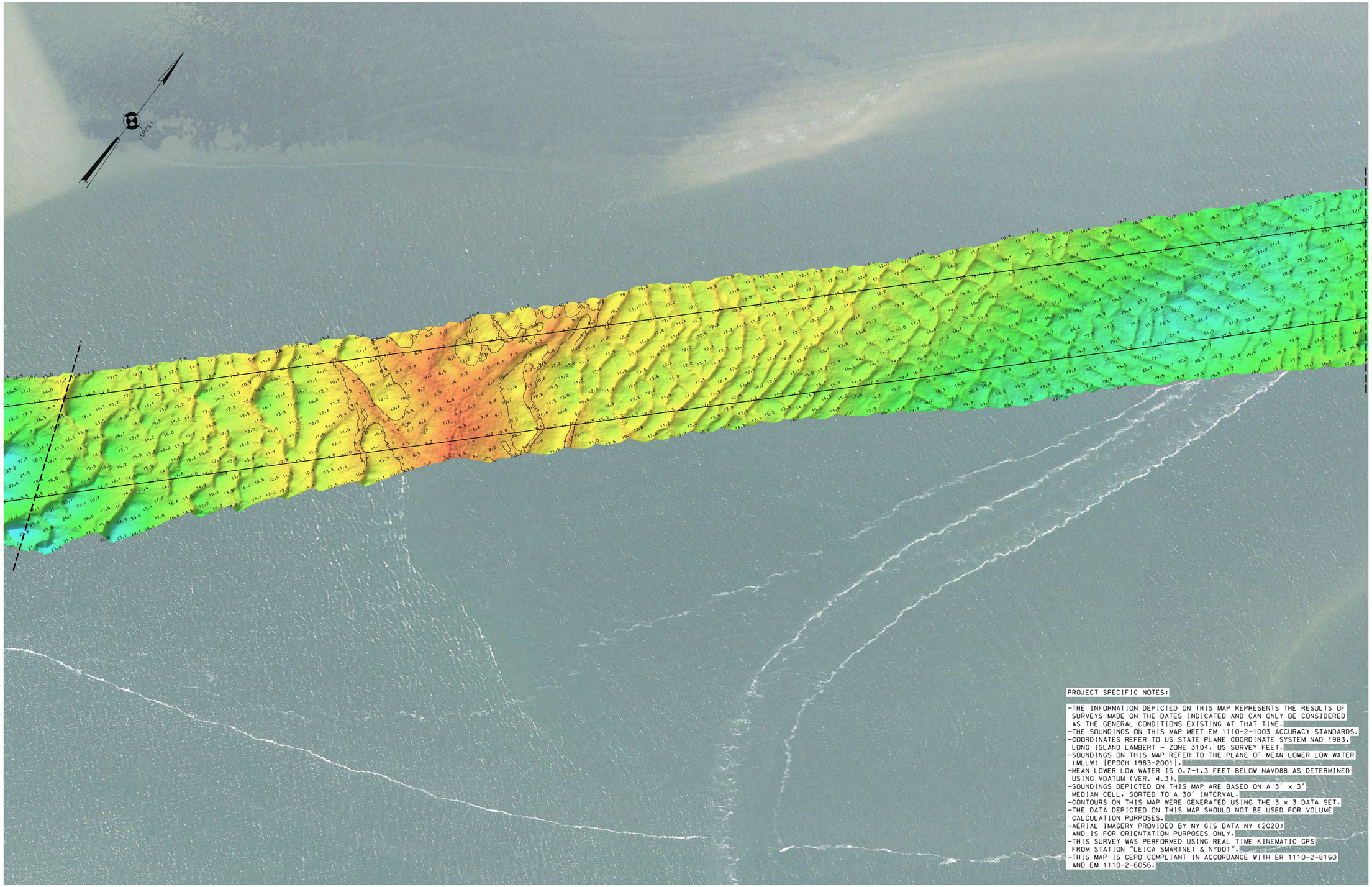
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-106

6 OF 30



PROJECT SPECIFIC NOTES:

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0 100' 200'

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	PR	EQ
	VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

SCALE: ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 15180/N4

APPROVED:	J. BERTOLOTTI	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	LEAD CARTOGRAPHER
APPROVED:	J. MELZ	CHIEF OF SURVEY
DATE:	30 JUNE 2022	

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

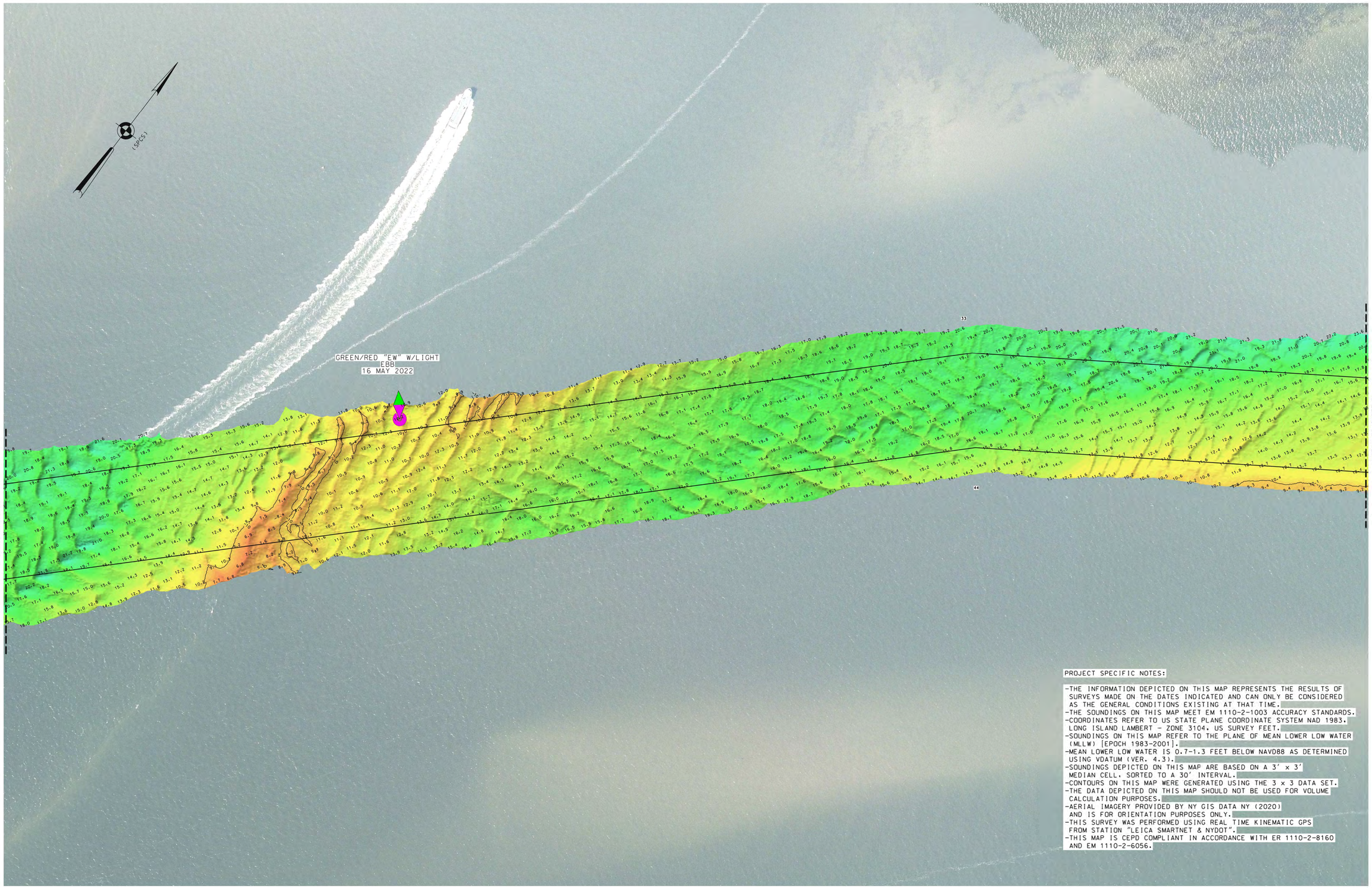
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-107

7 OF 30



PROJECT SPECIFIC NOTES:

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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	EQ
	CM
PR	
WP	

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

REQ. NO./FILE NO.: 5180/N4

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

APPROVED:	J. BERTOLOTTI	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	LEAD CARTOGRAPHER
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DATE:	30 JUNE 2022	

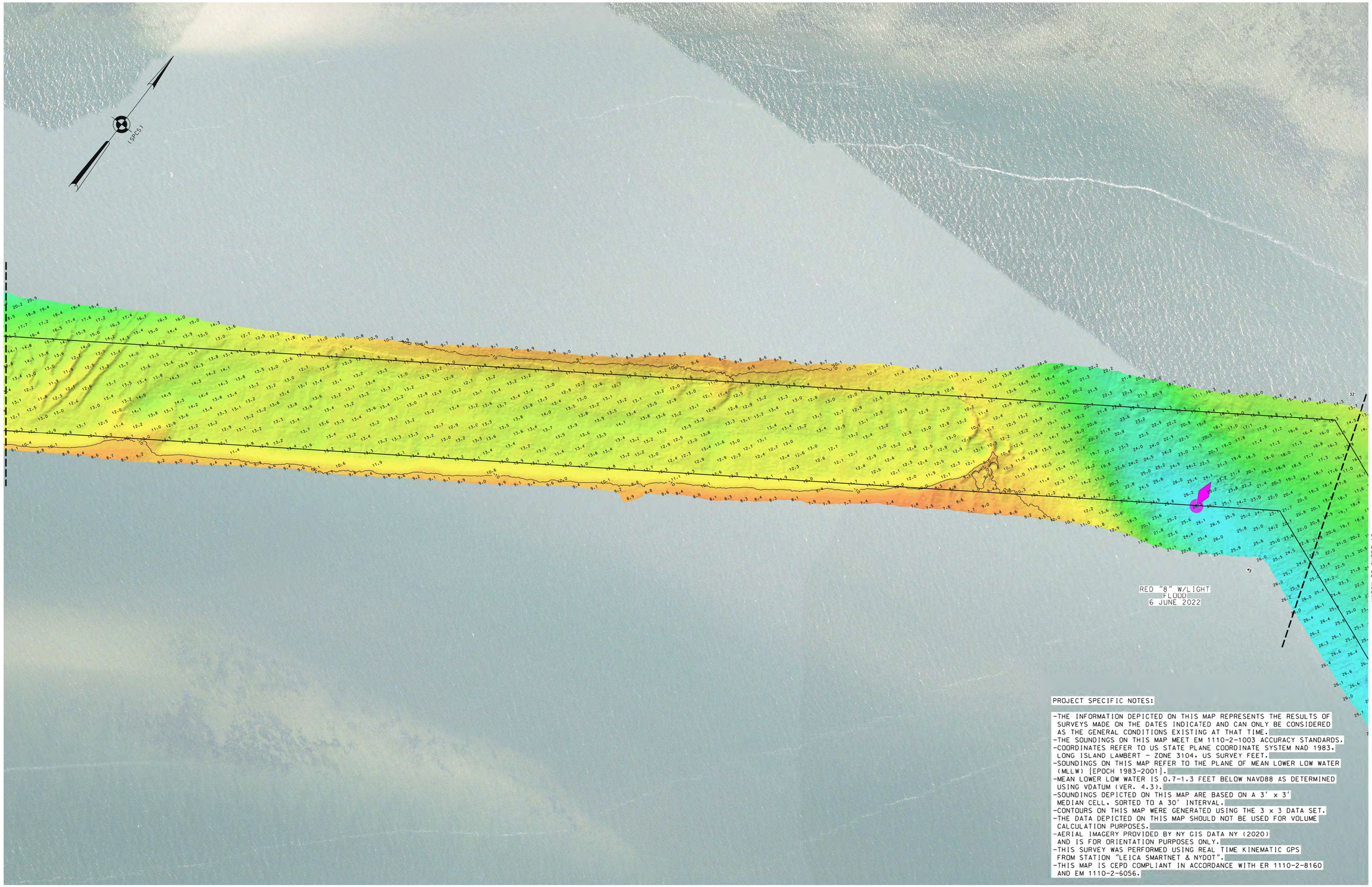
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK
CONDITION SURVEY

VH-108

8 OF 30



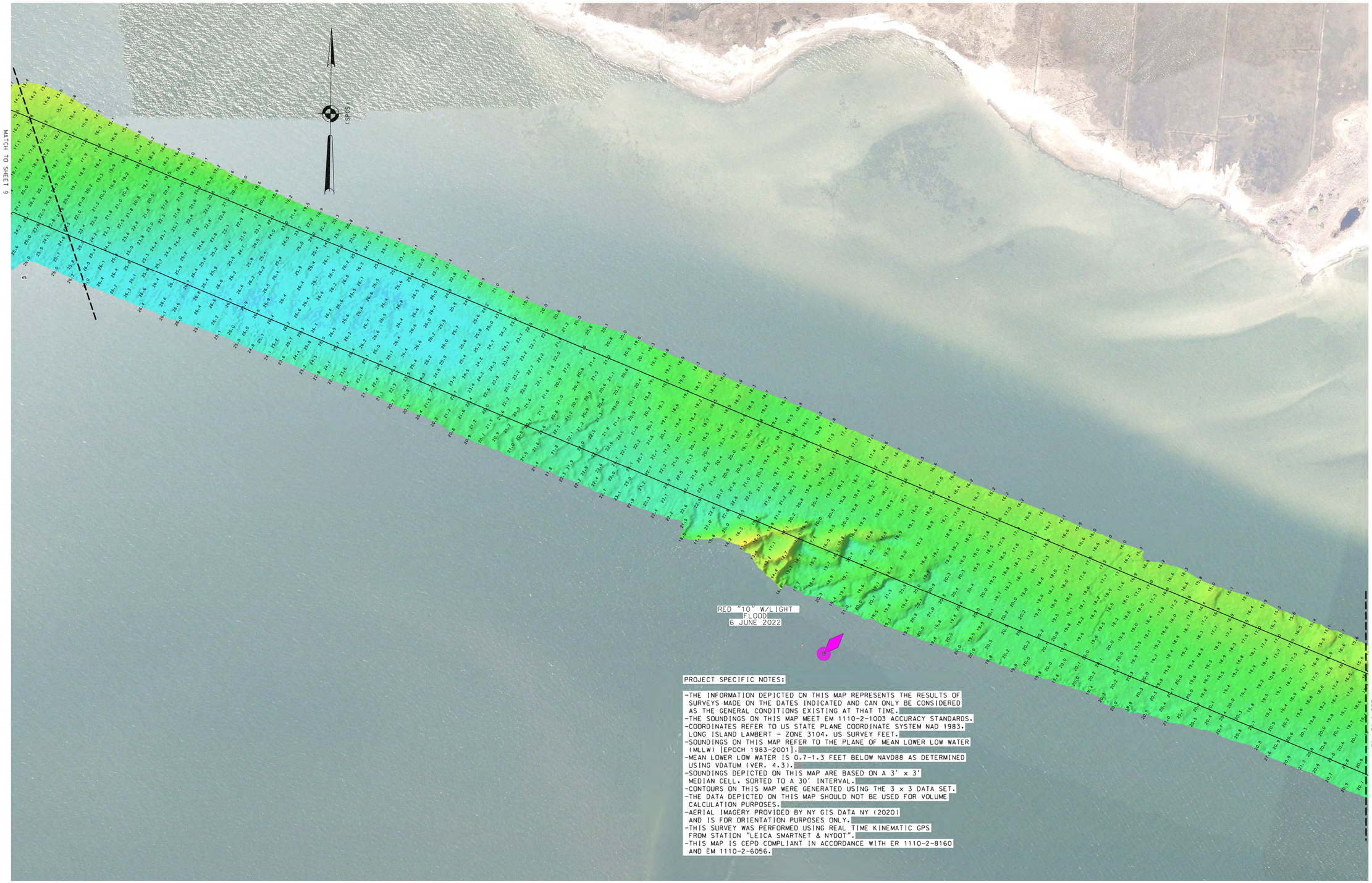
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NSRS BENCHMARK	LOCAL CONTROL DATA
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ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

| | | |



PROJECT SPECIFIC NOTES:

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-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 NY GIS DATA NY (2020) AND IS FOR ORIENTATION PURPOSES ONLY.
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "LEICA SMARTNET & NYDOT".
-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

0 100' 200'

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KUO772)	BENCHMARK: TIDAL 4 STALL 64 (KUO773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	PR	EQ
	VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REG. NO./FILE NO.: 5180/N4

APPROVED: J. BERTOLOTTI
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARTOGRAPHER

APPROVED: J. MERZ
SURVEY CHIEF OF SURVEY

DATE: 30 JUNE 2022

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

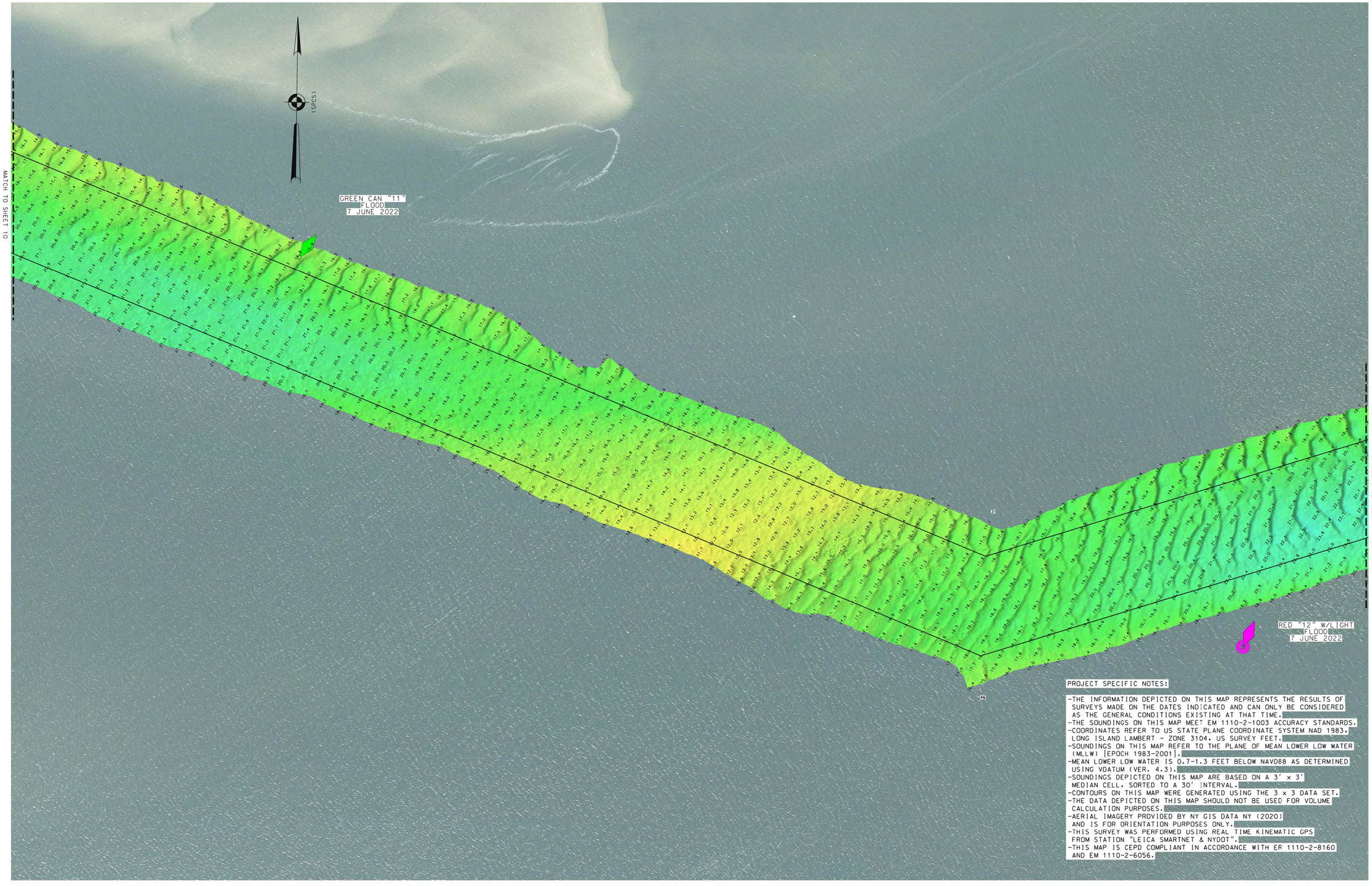
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-110

10 OF 30



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.
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-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

0 100' 200'

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

		PR	EQ
		VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 5180/N4

APPROVED:	J. BERTOLOTTI	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	LEAD CARTOGRAPHER
APPROVED:	J. MEAD	SURVEY CHIEF OF SURVEY
DATE:	30 JUNE 2022	

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

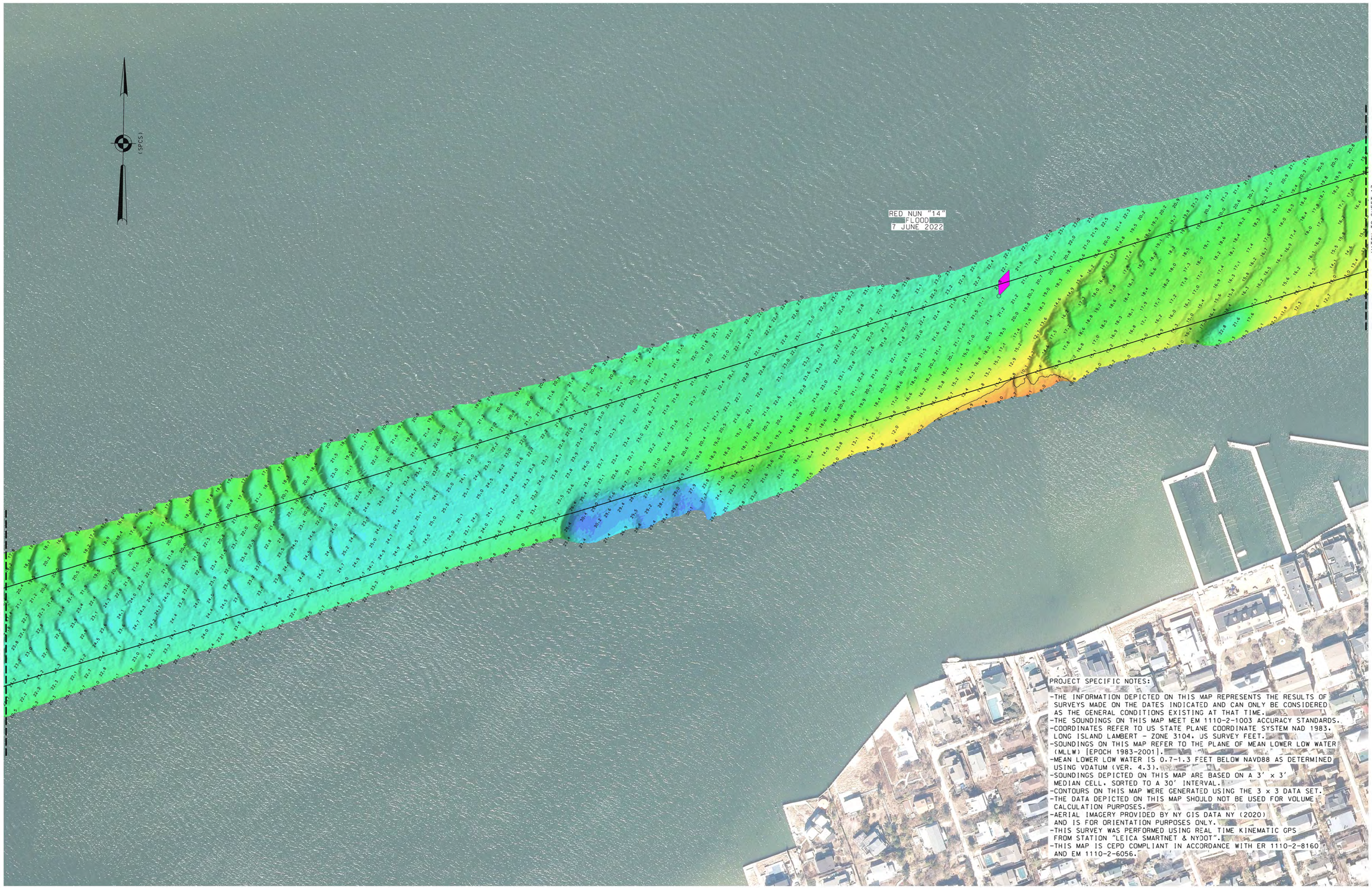
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-111

11 OF 30



PROJECT SPECIFIC NOTES:

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NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

		PR	EQ
		WP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REG. NO./FILE NO.: 5180/N4

APPROVED:	J. BERTOLOTTI	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	LEAD CARTOGRAPHER
APPROVED:	J. MELZ	SURVEY CHIEF OF SURVEY
DATE:	30 JUNE 2022	

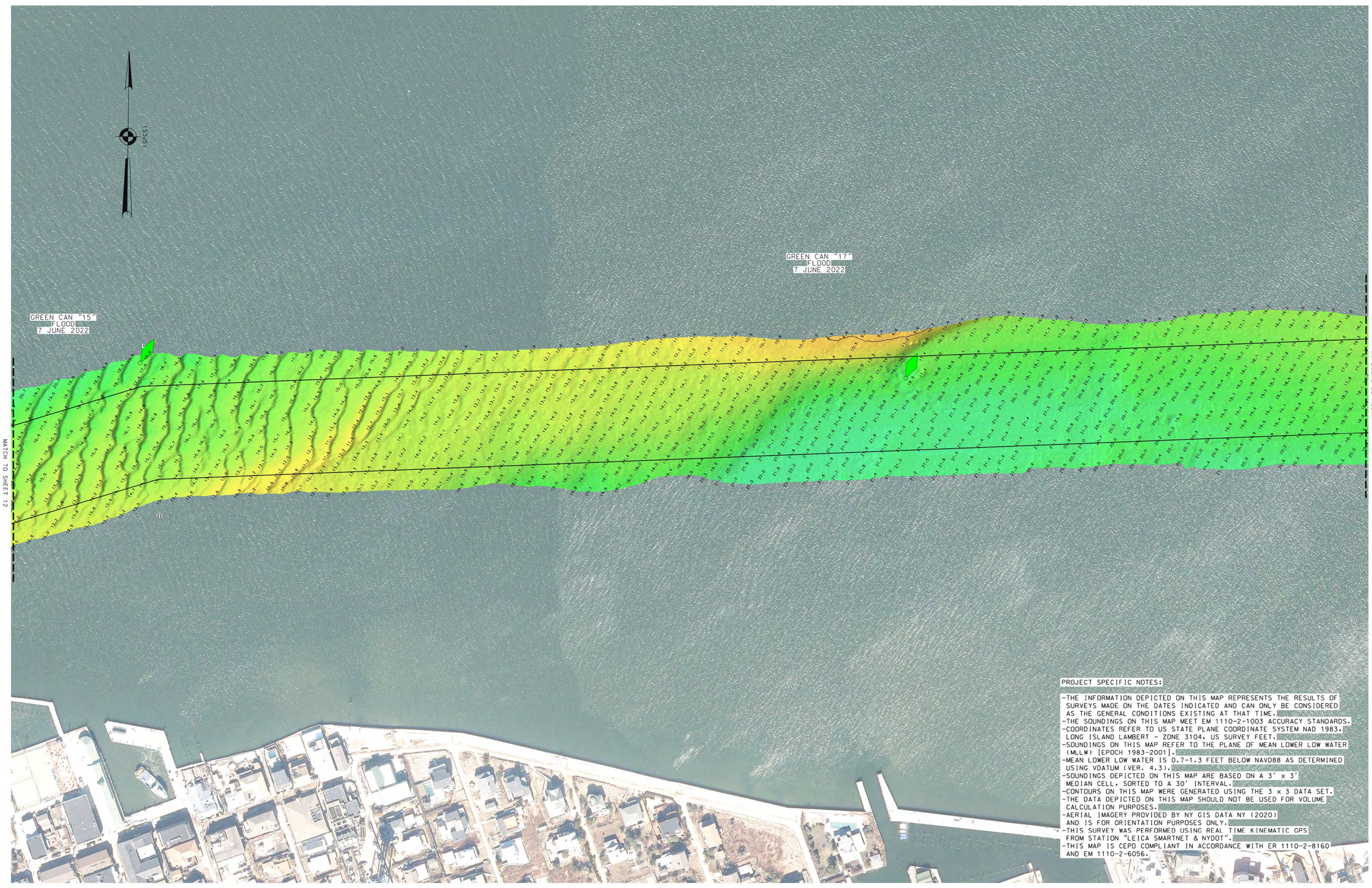
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-112



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.
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-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

		EQ	CM
		PR	VP

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REG. NO./FILE NO.: 5180/N4

APPROVED: J. BERTOLOTTI
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARTOGRAPHER

APPROVED: J. MELZ
SURVEY CHIEF OF SURVEY

DATE: 30 JUNE 2022

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-113

13 OF 30

MATCH TO SHEET 15

GREEN "19" W/LIGHT
FLOOD
7 JUNE 2022

MATCH TO SHEET 13

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."
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0 100' 200'

NSRS BENCHMARK	LOCAL CONTROL DATA
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ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	EQ
VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REG. NO./FILE NO.: 15180/N4

APPROVED: J. BERTOLOTTI
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARTOGRAPHER

APPROVED: J. MELZ
CHIEF OF SURVEY

DATE: 30 JUNE 2022

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

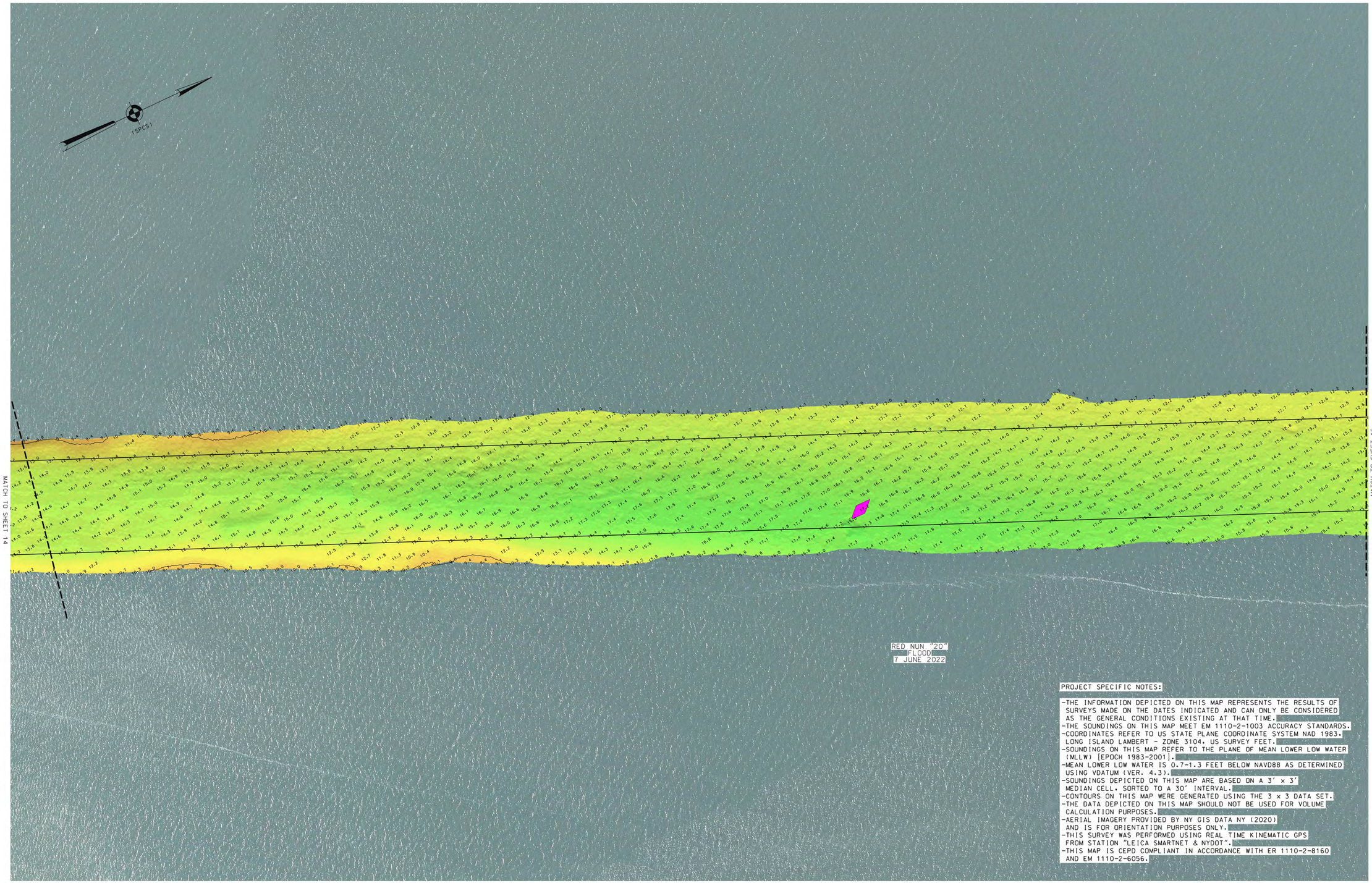
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-114

14 OF 30



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.
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NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

0 100' 200'

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	PR	EQ
	VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9, 13-16 JUNE 2022

REQ. NO./FILE NO.: 5180/N4

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

APPROVED: J. BERTOLOTTI
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARTOGRAPHER

APPROVED: J. MERZ
SURVEY CHIEF OF SURVEY

DATE: 30 JUNE 2022

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

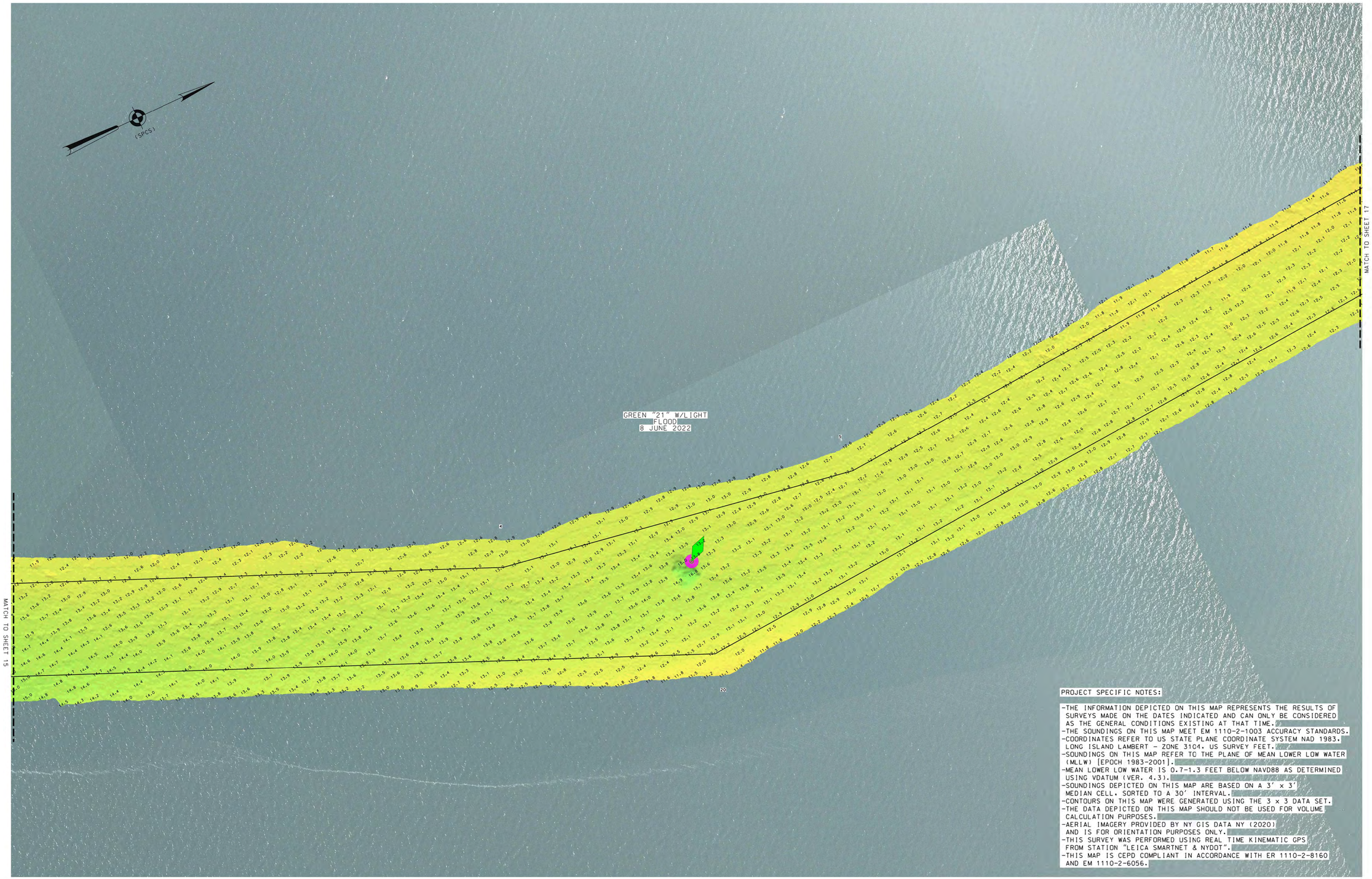
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-115

15 OF 30



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.
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NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	PR	EQ
	VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REG. NO./FILE NO.: 5180/N4

APPROVED: J. BERTOLOTTI, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, LEAD CARTOGRAPHER
APPROVED: J. MELZ, CHIEF OF SURVEY
DATE: 30 JUNE 2022

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

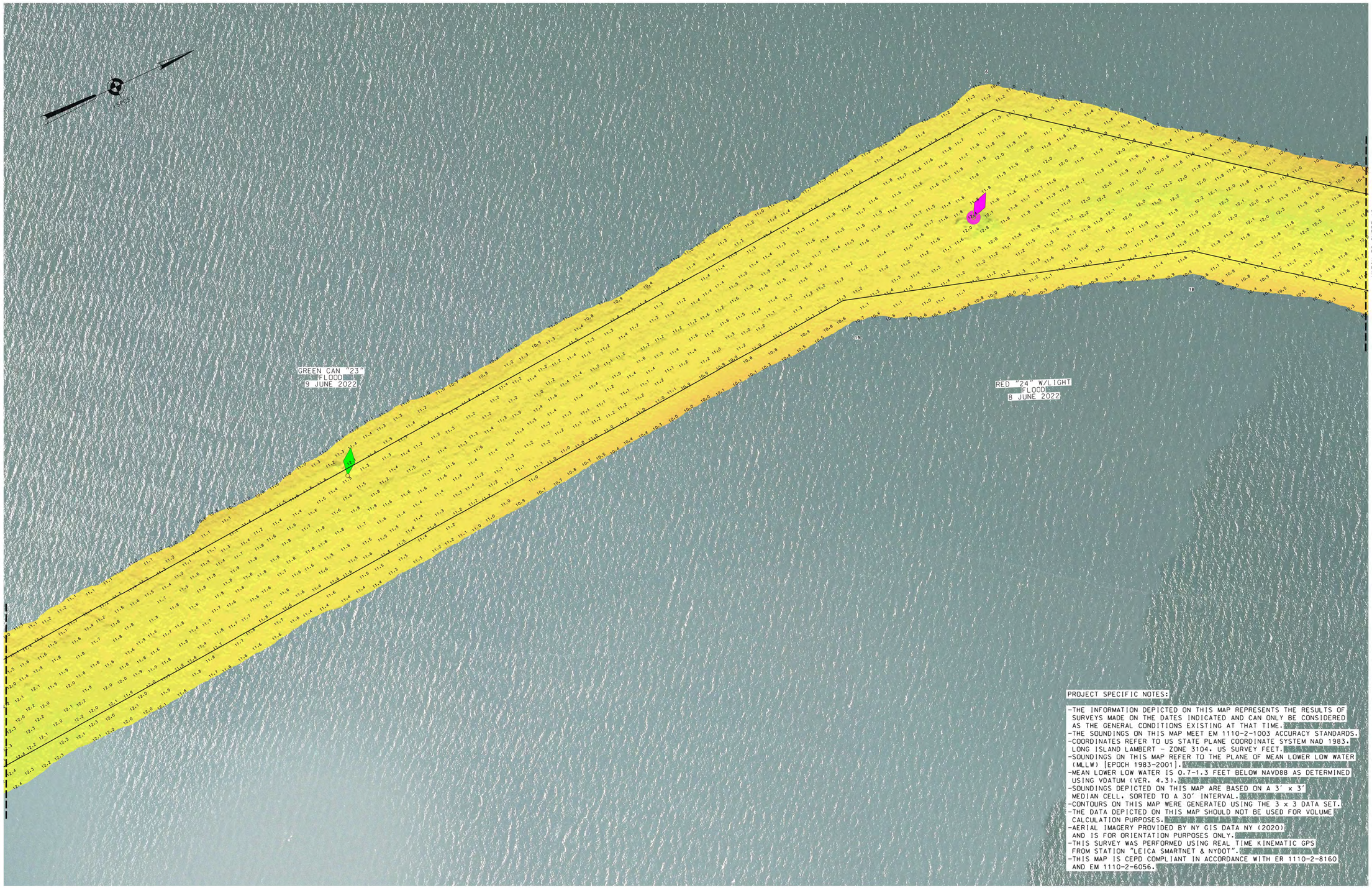
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-116

16 OF 30



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.
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NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

																		PR	EQ
																		VJP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

REQ. NO./FILE NO.: 15180/N4

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

APPROVED: J. BERTOLOTTI
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARTOGRAPHER

APPROVED: J. MEAD
CHIEF OF SURVEY

DATE: 30 JUNE 2022

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

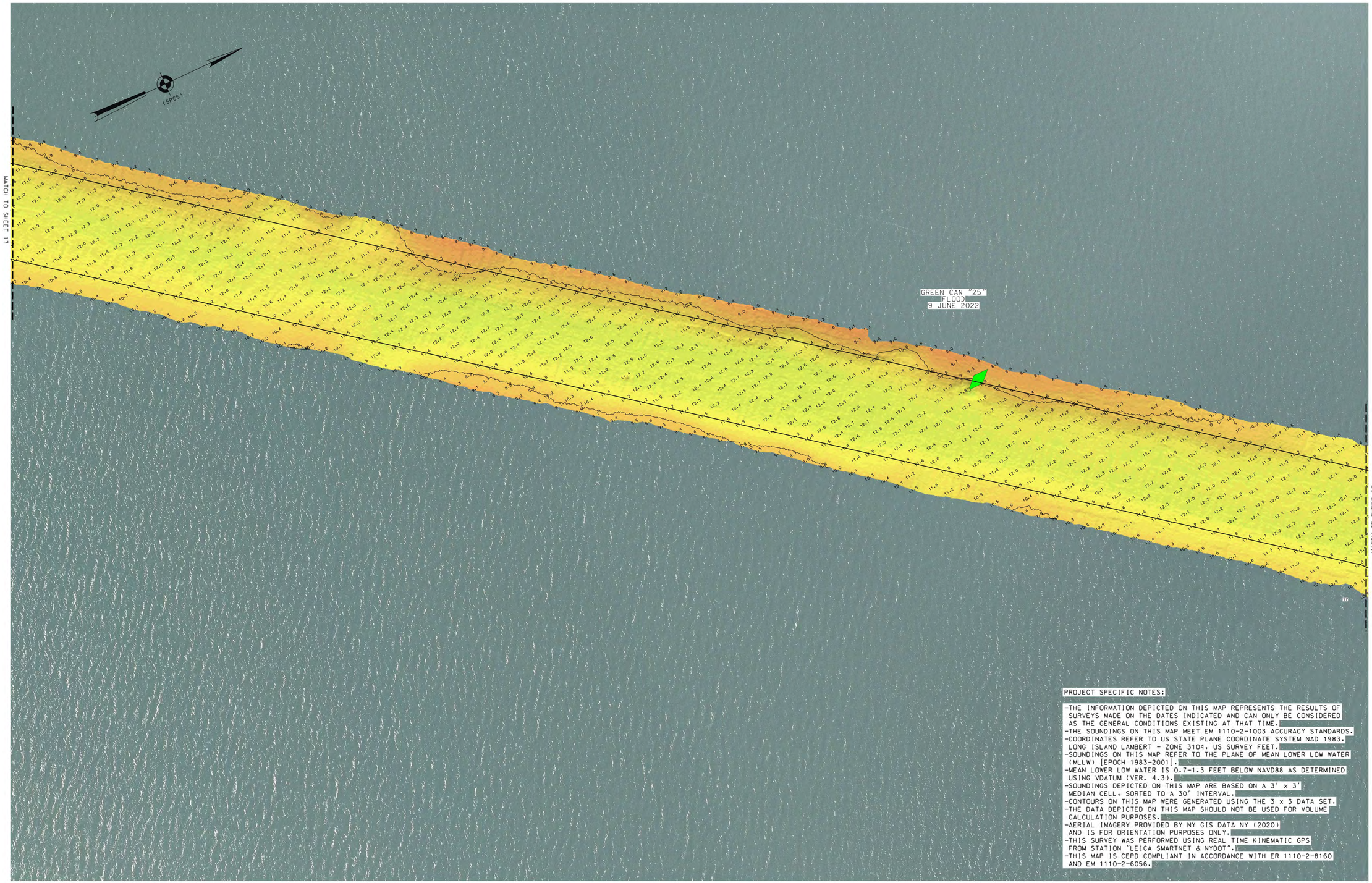
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-117

17 OF 30



PROJECT SPECIFIC NOTES:

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0 100' 200'

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	EQ	CM
	PR	VP

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: DNA 10

REG. NO./FILE NO.: 5180/N4

APPROVED: J. BERTOLOTTI, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, LEAD CARTOGRAPHER
APPROVED: J. MEZ, SURVEY CHIEF OF SURVEY
DATE: 30 JUNE 2022

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

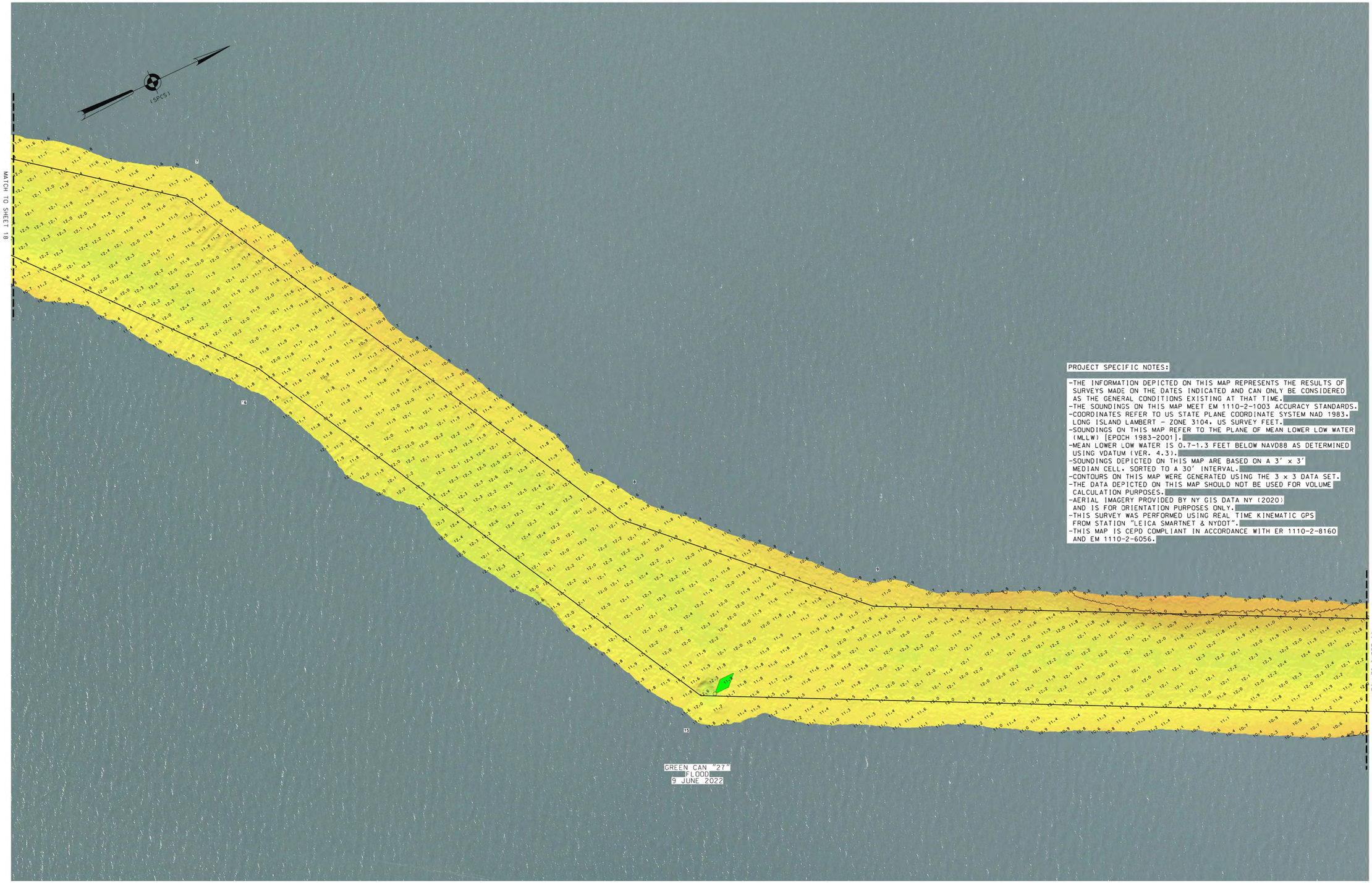
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-118

18 OF 30



PROJECT SPECIFIC NOTES:

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-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 NY GIS DATA NY (2020) AND IS FOR ORIENTATION PURPOSES ONLY.
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "LEICA SMARTNET & NYDOT".
-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	EQ
VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REG. NO./FILE NO.: 5180/N4

APPROVED: J. BERTOLOTTI, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR, LEAD CARTOGRAPHER
APPROVED: J. MEAD, SURVEY CHIEF OF SURVEY
DATE: 30 JUNE 2022

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-119

19 OF 30



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.
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-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

0 100' 200'

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KLO772)	BENCHMARK: TIDAL 4 STALL 64 (KUO773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	EQ
VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 5180/N4

APPROVED:	J. BERTOLOTTI	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	LEAD CARTOGRAPHER
APPROVED:	J. MEZ	SURVEY CHIEF OF SURVEY
DATE:	30 JUNE 2022	

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

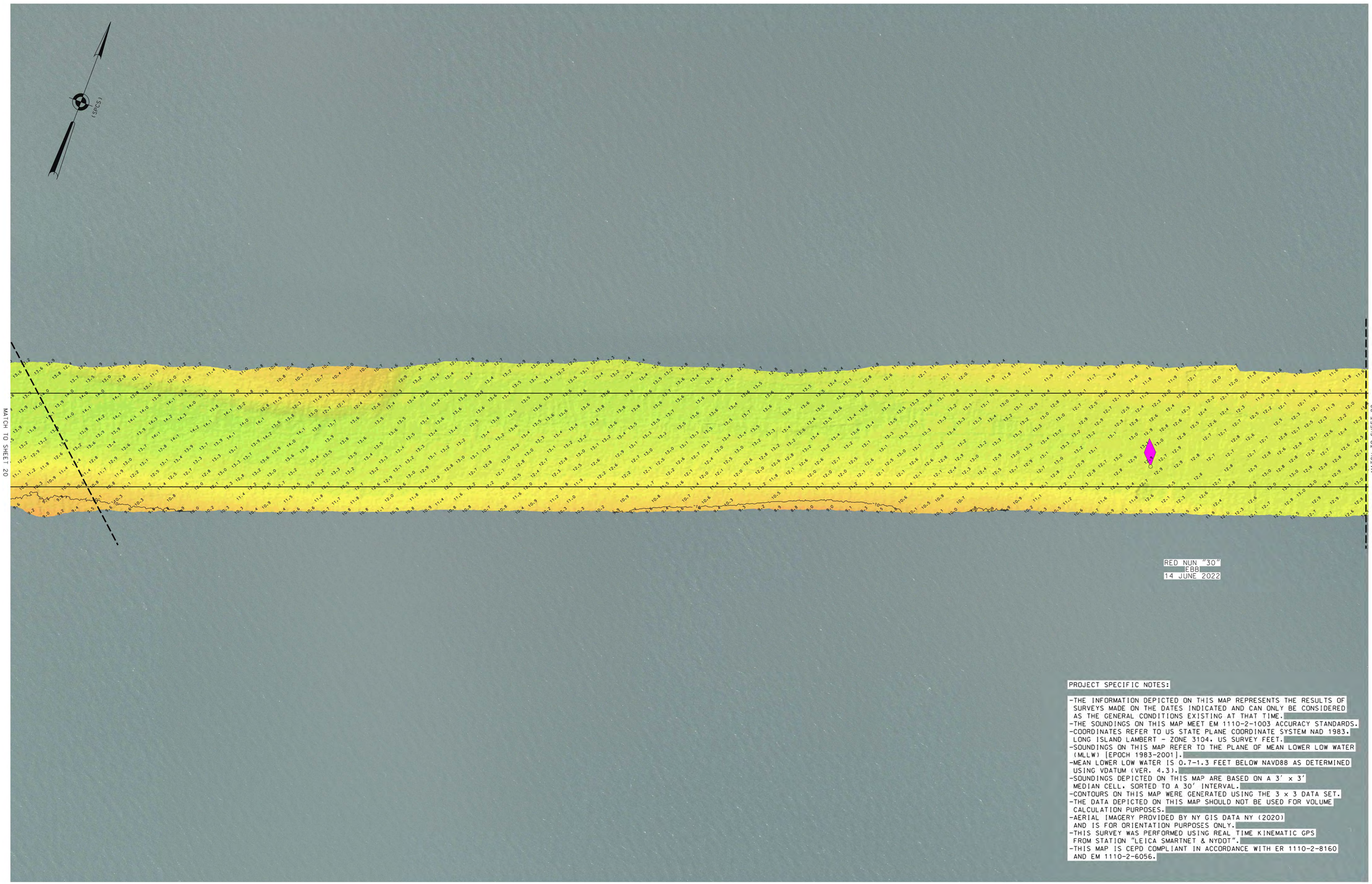
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-120

20 OF 30



PROJECT SPECIFIC NOTES:

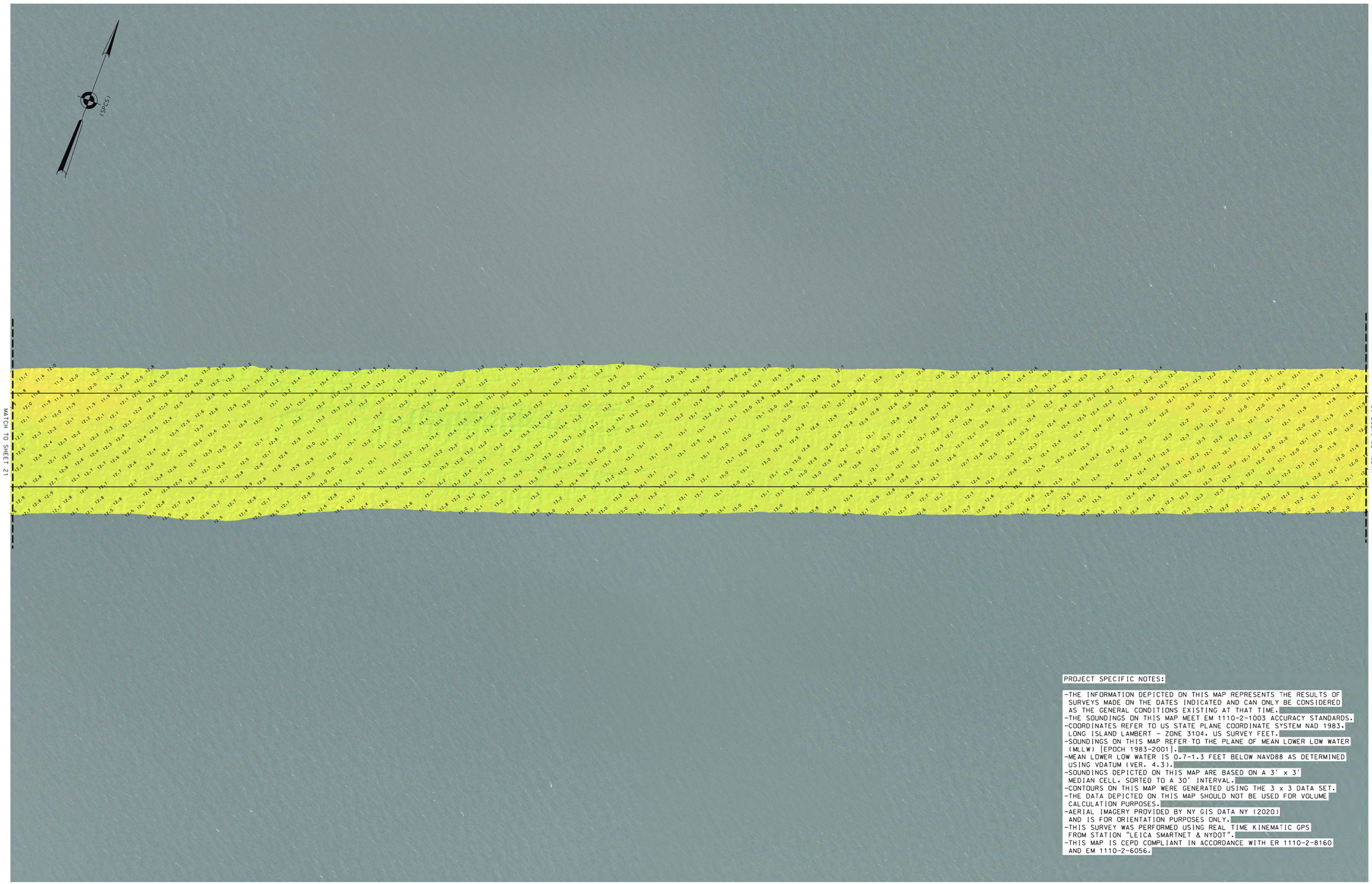
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0 100' 200'

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KLO772)	BENCHMARK: TIDAL 4 STALL 64 (KUO773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

| | | |



PROJECT SPECIFIC NOTES:

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NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KL0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	PR	EQ
	VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9, 13-16 JUNE 2022

REQ. NO./FILE NO.: 5180/N4

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

APPROVED:	J. BERTOLOTTI	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	LEAD CARTOGRAPHER
APPROVED:	J. MEZA	SURVEY CHIEF OF SURVEY
DATE:	30 JUNE 2022	

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

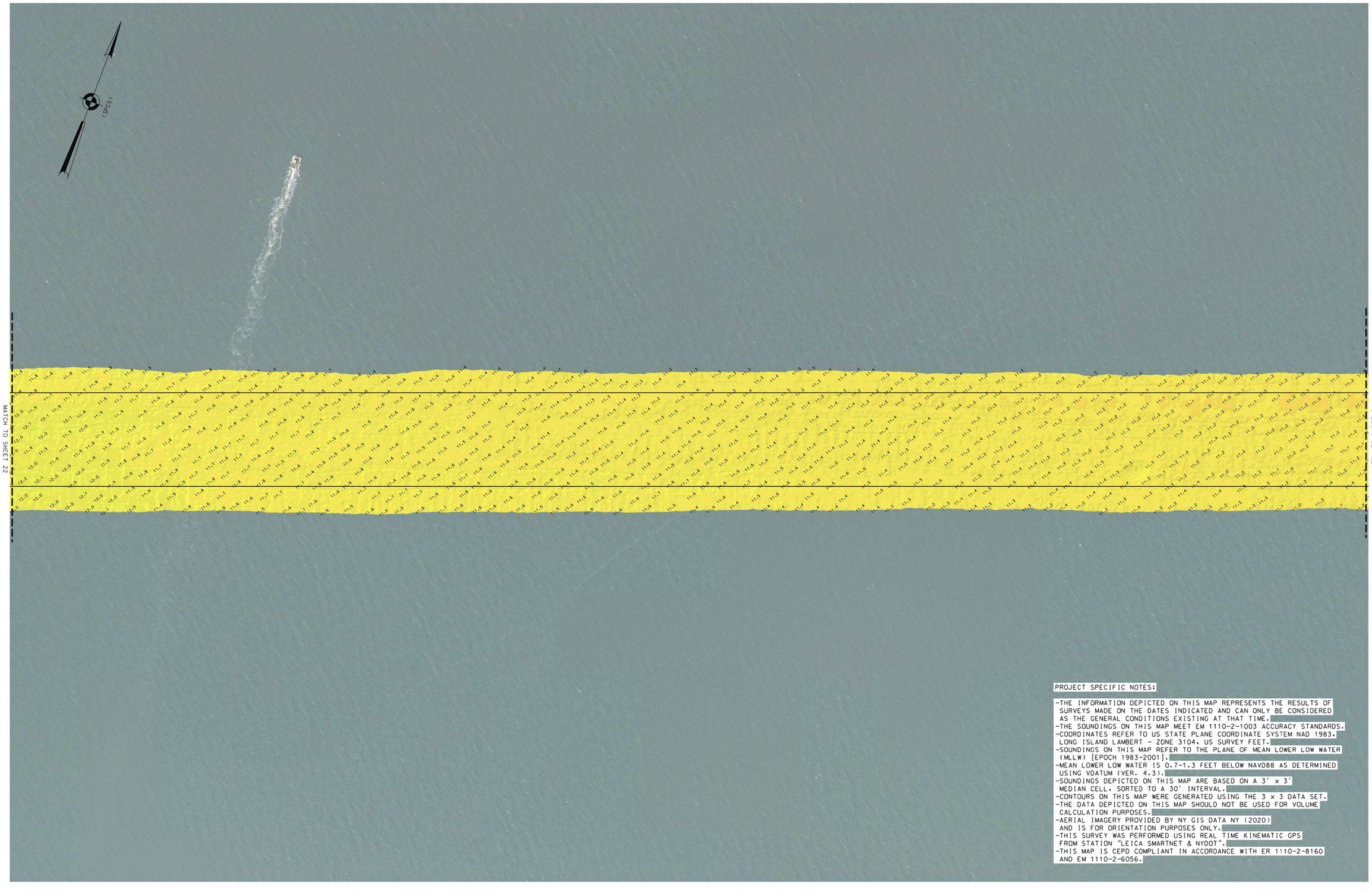
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-122

22 OF 30



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.
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0 100' 200'

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

																PR	EQ
																VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

REQ. NO./FILE NO.: 5180/N4

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

APPROVED: J. BERTOLOTTI
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARTOGRAPHER

APPROVED: J. MEAD
CHIEF OF SURVEY

DATE: 30 JUNE 2022

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

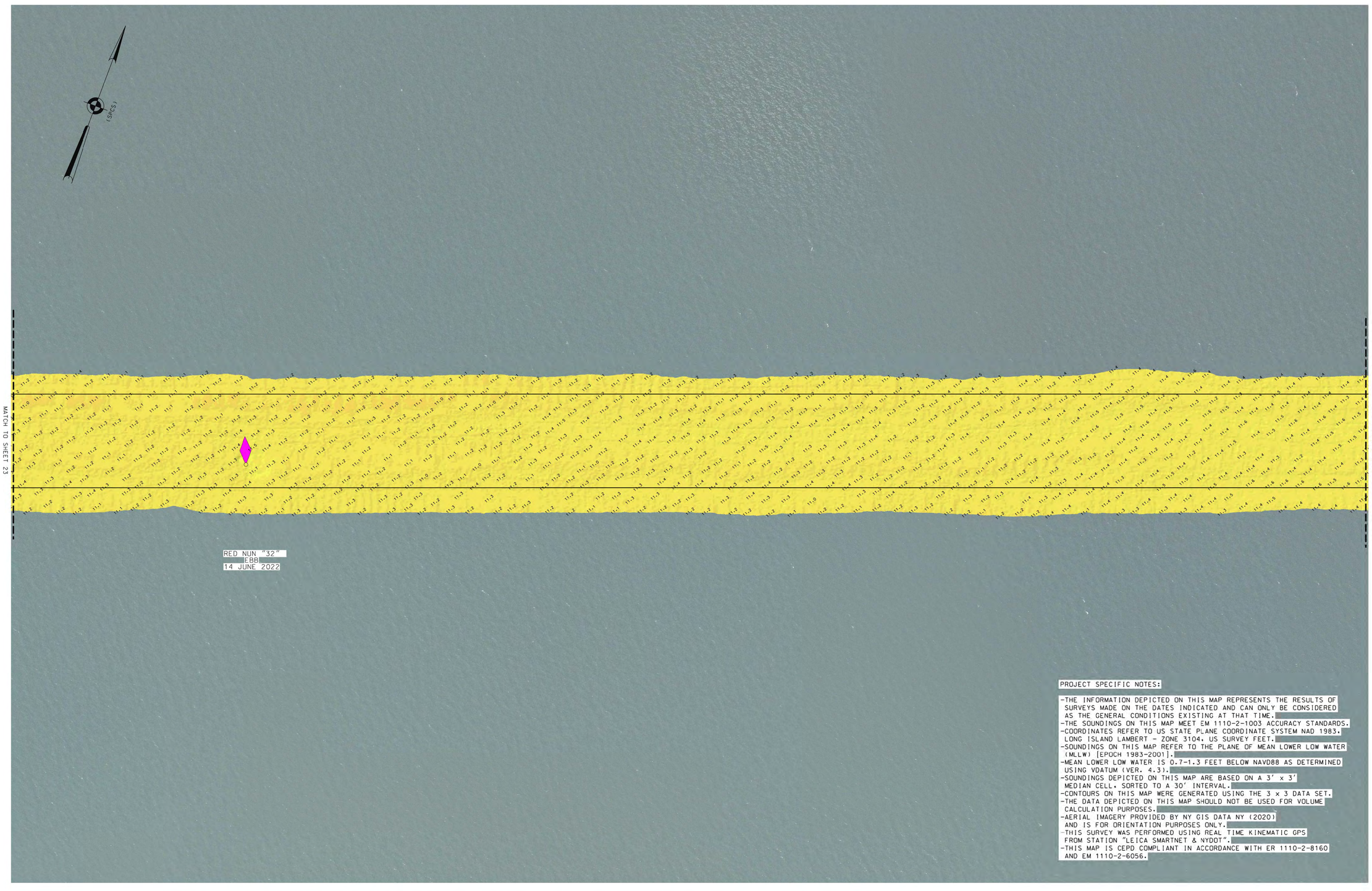
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-123

23 OF 30



NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR | EQ
VP | CM

DATES OF SURVEY:
12-16 MAY 2022
6-9, 13-16 JUNE 2022

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 5180/N4

APPROVED: J. BERTOLOTTI
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARTOGRAPHER

APPROVED: J. MEAD
ACTING CHIEF OF SURVEY

DATE: 30 JUNE 2022

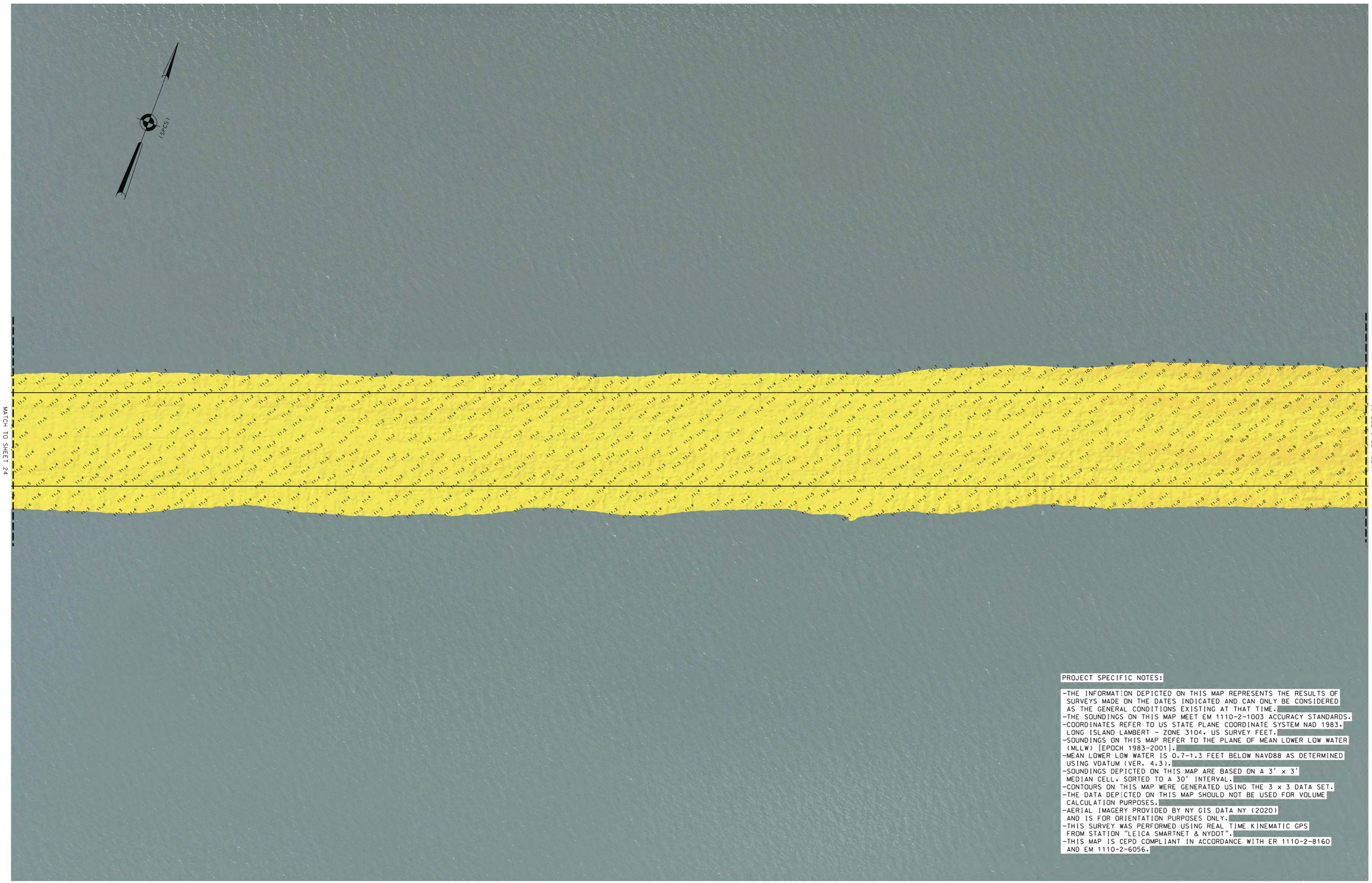
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-124



PROJECT SPECIFIC NOTES:

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NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KLO772)	BENCHMARK: TIDAL 4 STALL 64 (KUO773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	EQ
VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

REQ. NO./FILE NO.: 5180/N4

APPROVED:	J. BERTOLOTTI	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	LEAD CARTOGRAPHER
APPROVED:	J. MEZ	SURVEY CHIEF OF SURVEY
DATE:	30 JUNE 2022	

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

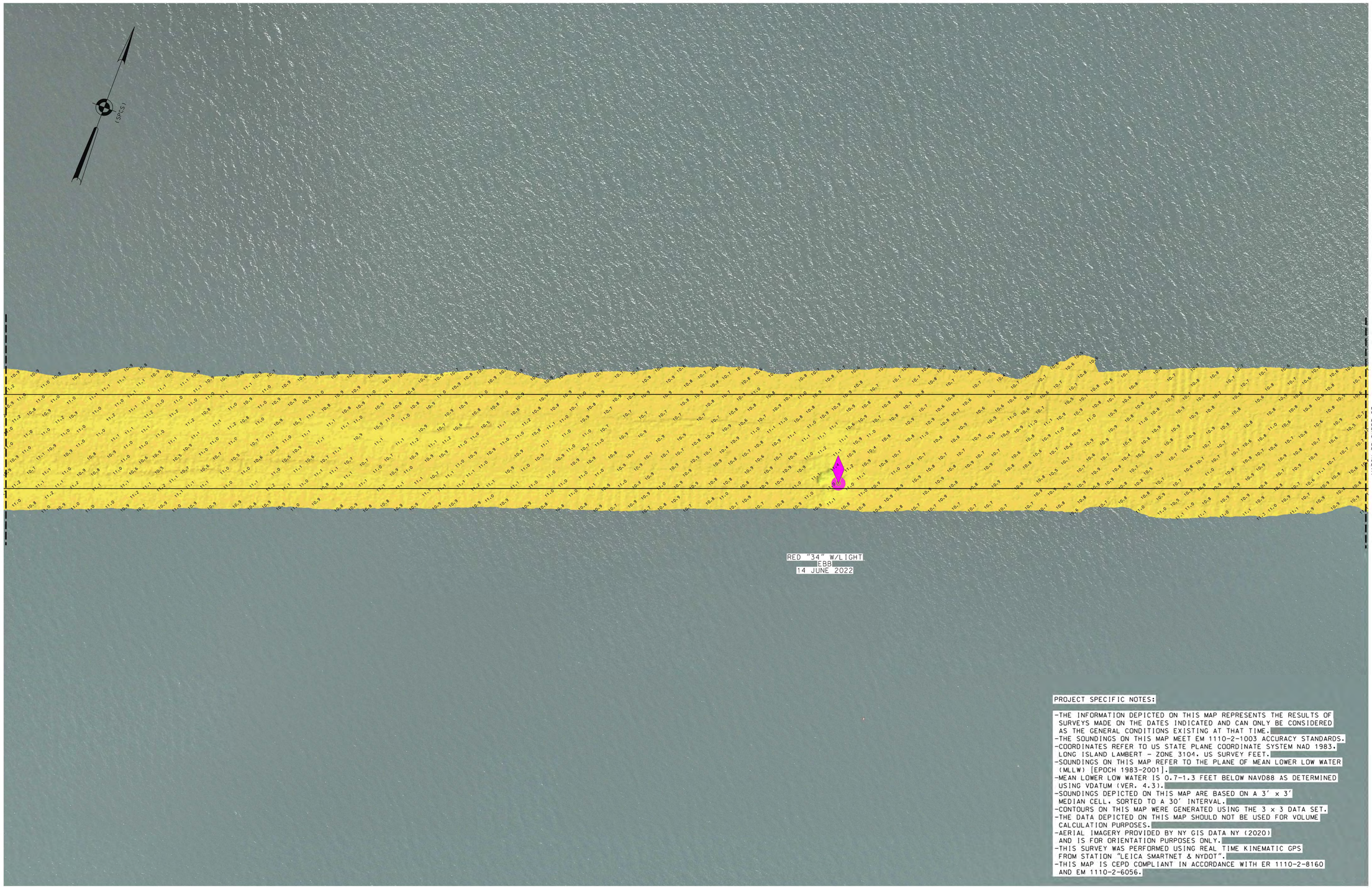
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-125

25 OF 30



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.
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NSRS BENCHMARK	LOCAL CONTROL DATA
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ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

																		PR	EQ
																		VP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

REG. NO./FILE NO.: 5180/N4

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

APPROVED: J. BERTOLOTTI
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARTOGRAPHER

APPROVED: J. MEAD
SURVEY CHIEF OF SURVEY

DATE: 30 JUNE 2022

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

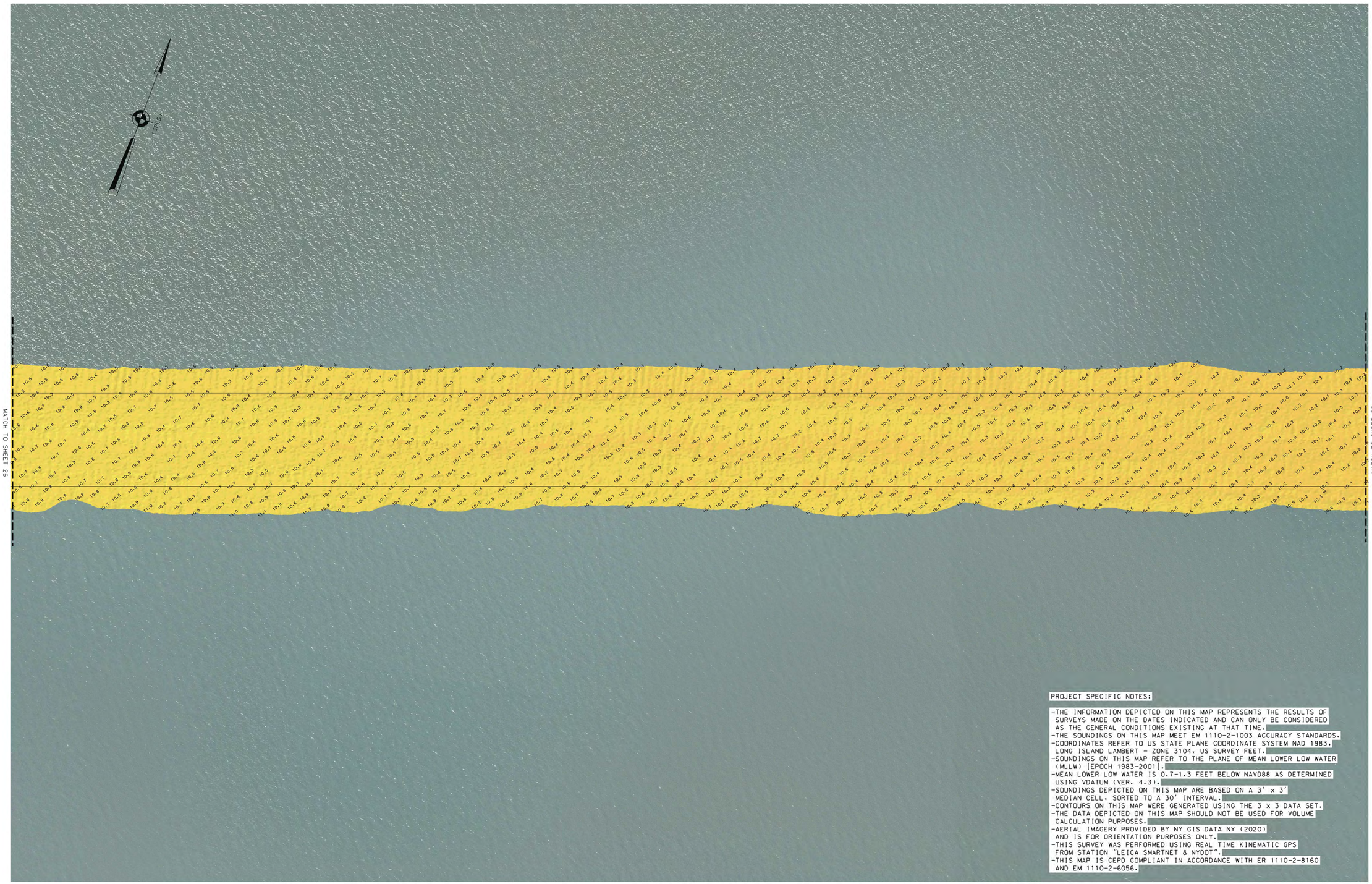
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-126

26 OF 30



MATCH TO SHEET 26

MATCH TO SHEET 28

PROJECT SPECIFIC NOTES:

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0 100' 200'

NSRS BENCHMARK	LOCAL CONTROL DATA
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ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

		PR	EQ
		WP	CM

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

REQ. NO./FILE NO.: 5180/N4

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

APPROVED:	J. BERTOLOTTI	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	LEAD CARTOGRAPHER
APPROVED:	J. MEAD	SURVEY CHIEF OF SURVEY
DATE:	30 JUNE 2022	

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

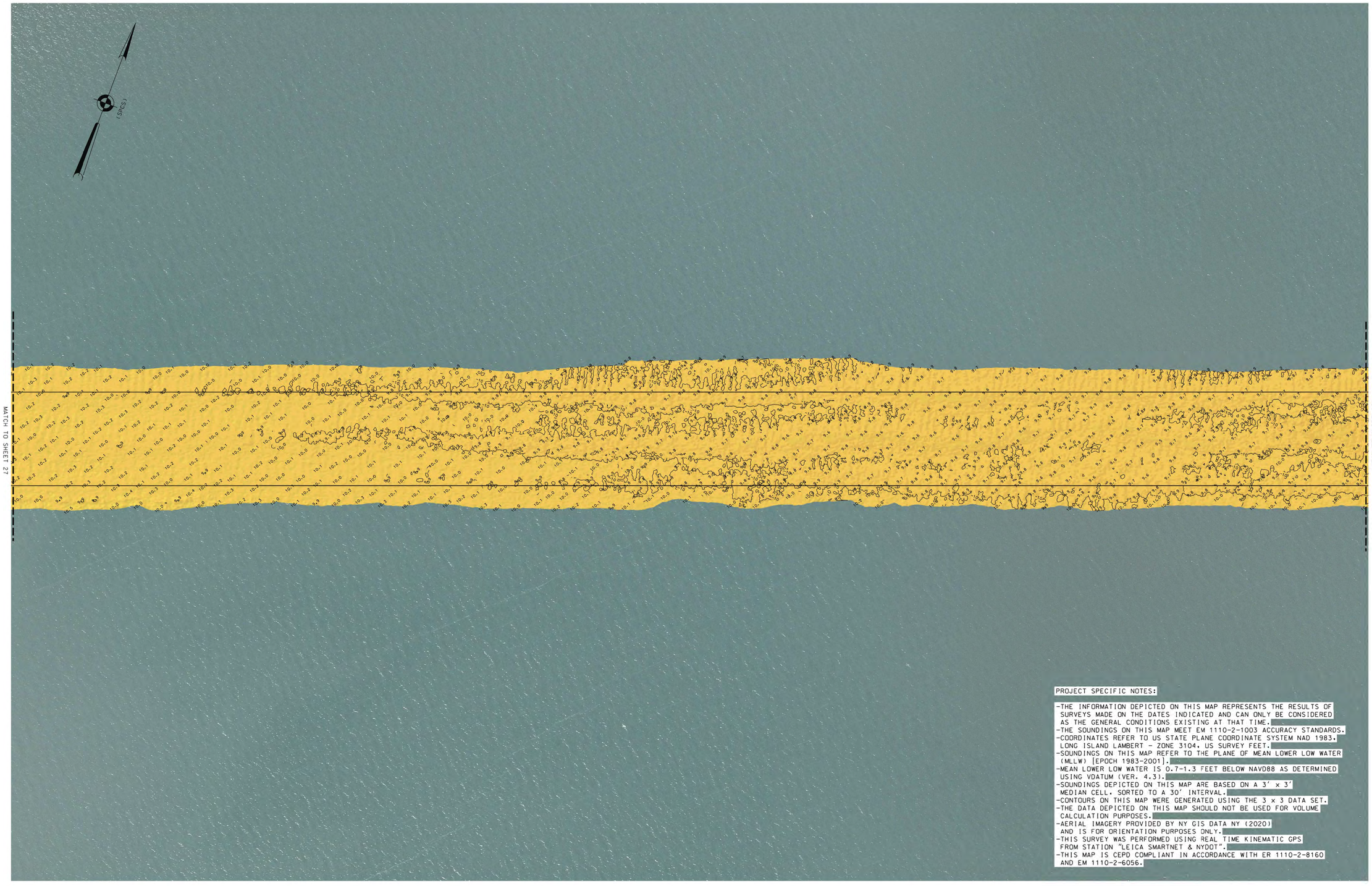
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-127

27 OF 30



PROJECT SPECIFIC NOTES:

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NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

0 100' 200'

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

	EQ
	CM
	PR
	VP

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

REG. NO./FILE NO.: 5180/N4

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

APPROVED:	J. BERTOLOTTI	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	LEAD CARTOGRAPHER
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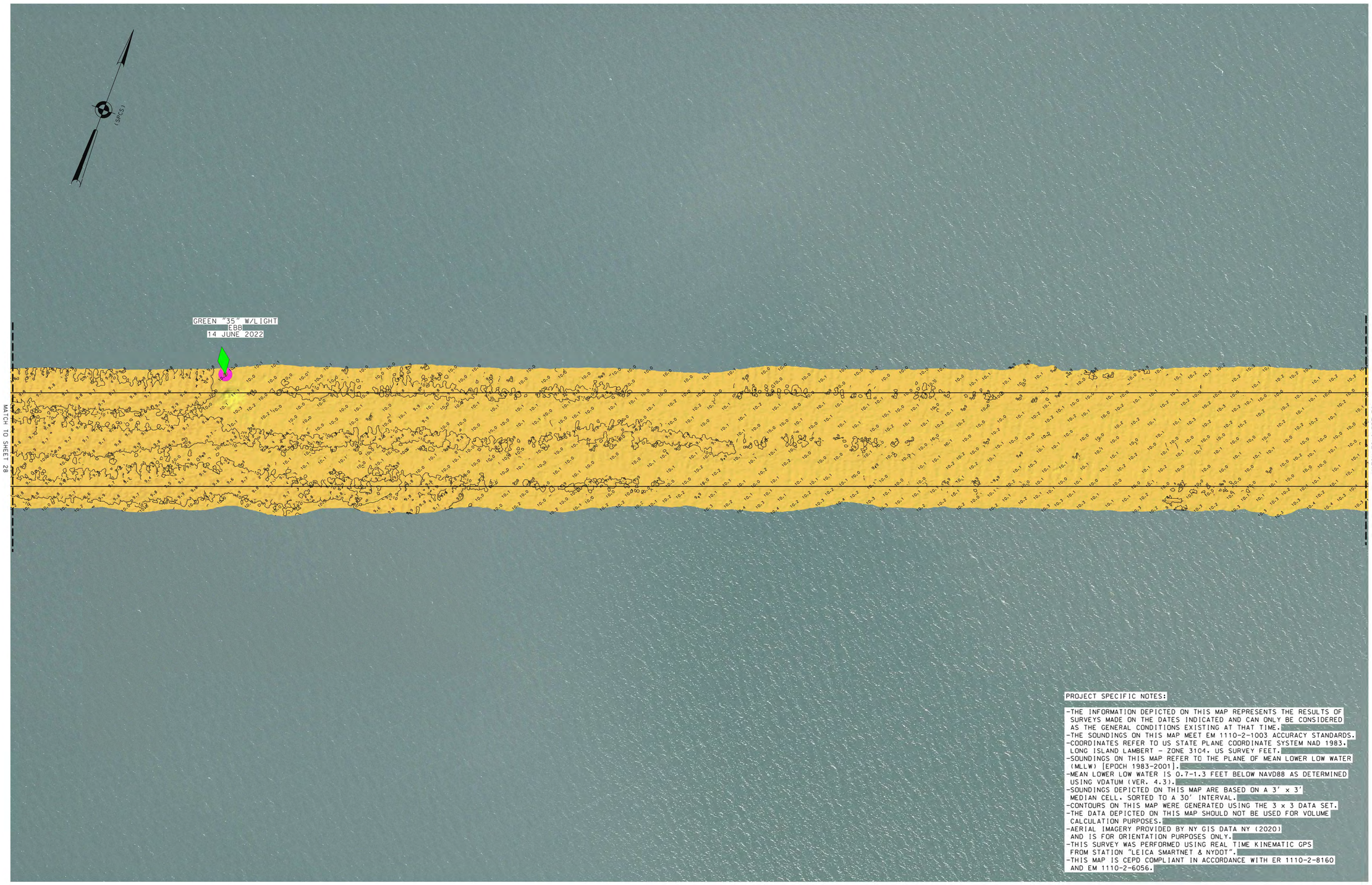
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-128



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.
-COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983. LONG ISLAND LAMBERT - ZONE 3104. 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 0.7-1.3 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 4.3).
-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 NY GIS DATA NY (2020) AND IS FOR ORIENTATION PURPOSES ONLY.
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "LEICA SMARTNET & NYDOT".
-THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

NSRS BENCHMARK	LOCAL CONTROL DATA
BENCHMARK: F 376 (KU0772)	BENCHMARK: TIDAL 4 STALL 64 (KU0773)
ELEVATION: 6.78' (NAVD 1988)	ELEVATION: 6.99' (NAVD 1988)

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

	EQ
	CM
	PR
	VP

DATES OF SURVEY:
12-16 MAY 2022
6-9,13-16 JUNE 2022

REG. NO./FILE NO.: 5180/N4

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
DNA 10

APPROVED:	J. BERTOLOTTI	FIELD CARTOGRAPHER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BHADUR	LEAD CARTOGRAPHER
APPROVED:	J. MEZ	SURVEY CHIEF OF SURVEY
DATE:	30 JUNE 2022	

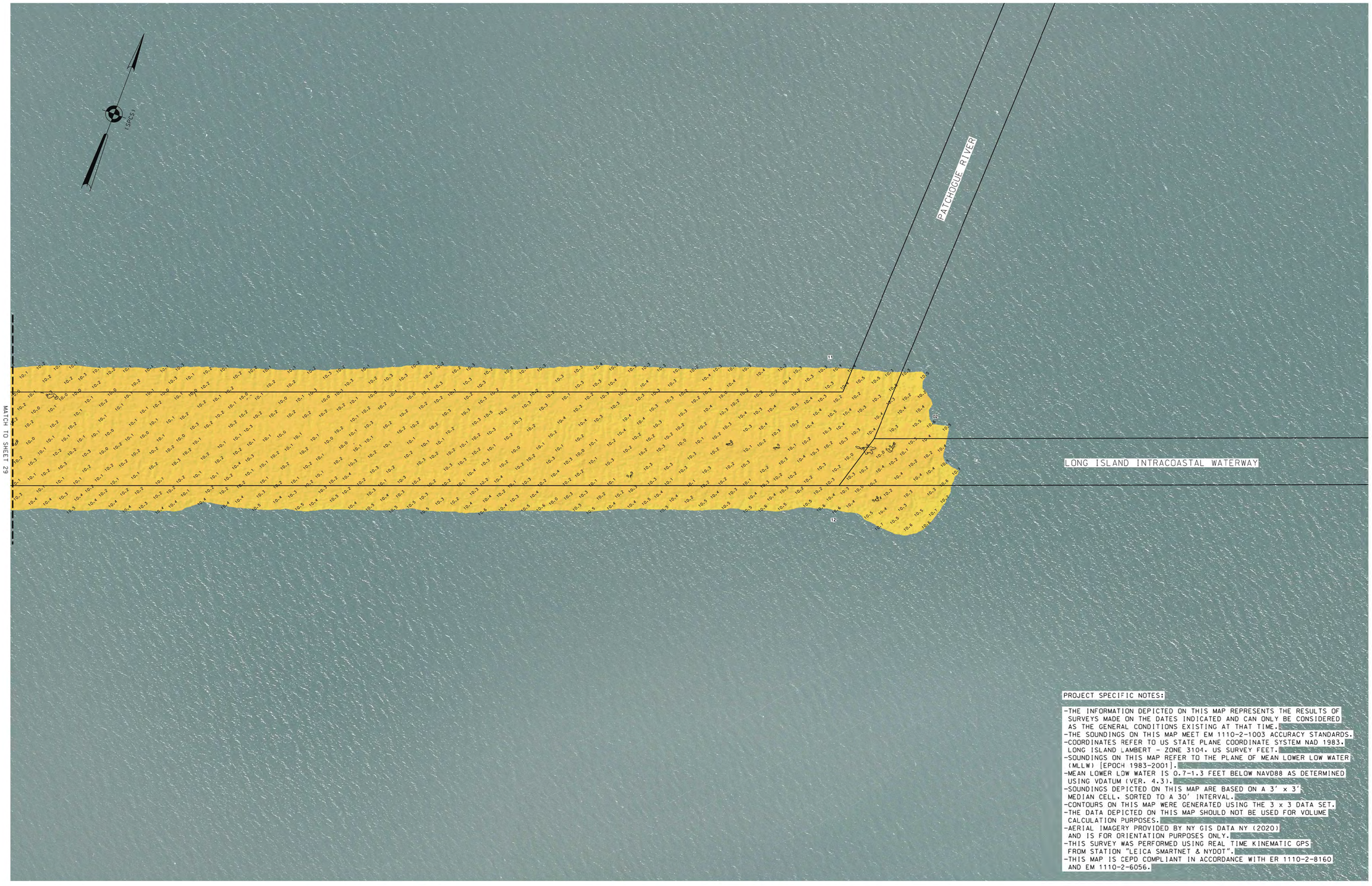
DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-129



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FIELD CARTOGRAPHER

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APPROVED: P. BHADUR
LEAD CARTOGRAPHER

APPROVED: J. MEZA
SURVEY CHIEF OF SURVEY

DATE: 30 JUNE 2022

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OPERATIONS DIVISION
SURVEY SECTION
CENAN-OPS-S

GREAT SOUTH BAY
NEW YORK

CONDITION SURVEY

VH-130

30 OF 30