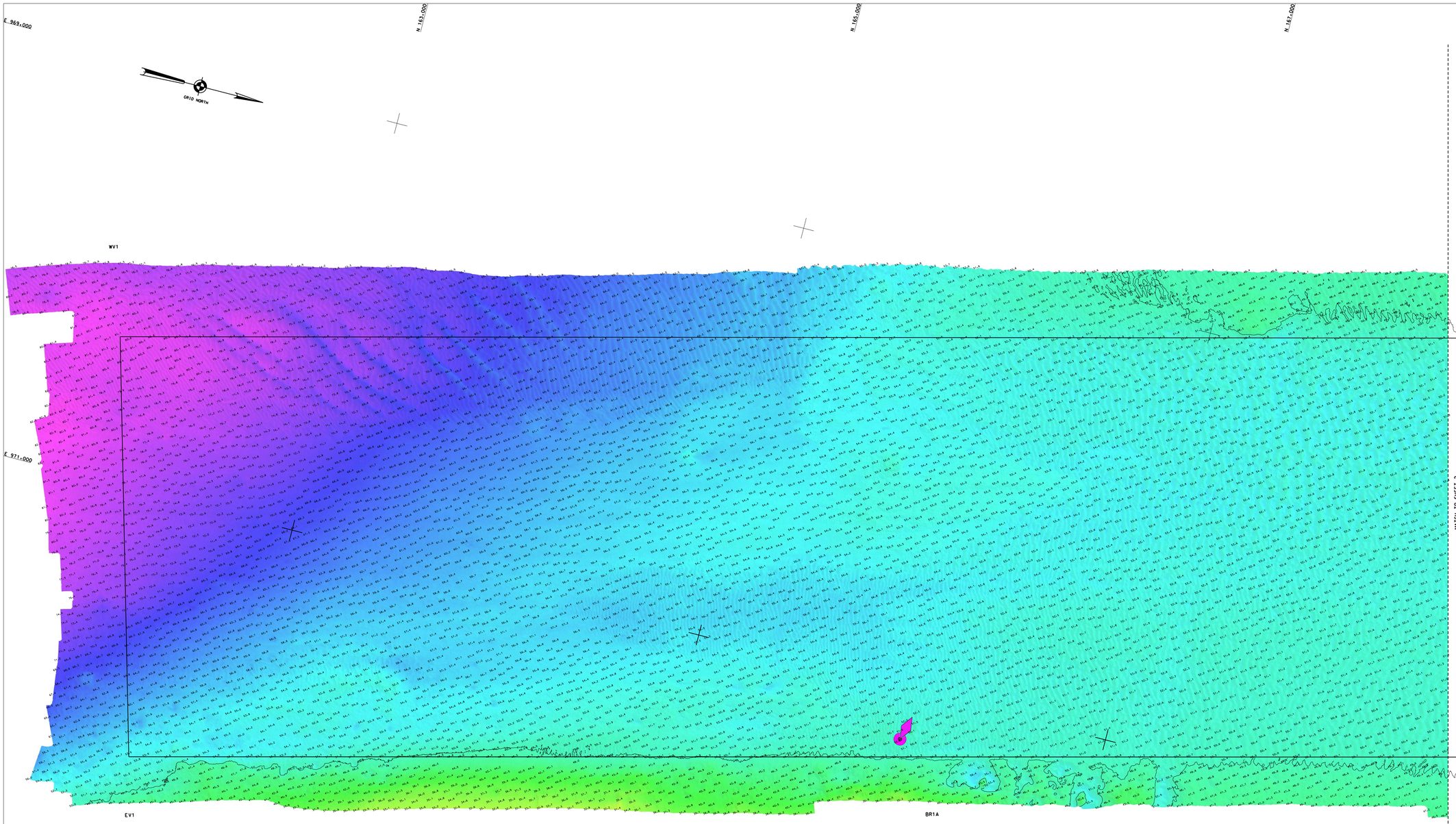

NSRS BENCHMARK
BENCHMARK: S.SIMON (PID: BBCW10)
ELEVATION: 7.25' NAVD 1988

LOCAL CONTROL DATA
BENCHMARK: CAVEN 1
ELEVATION: 5.82' 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].
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- AERIAL IMAGERY PROVIDED BY NYS INTERACTIVE MAPPING GATEWAY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "CAVEN POINT BASE".
- 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	
								ESG	SS:CM MP

DATES OF SURVEY:
22-24 NOVEMBER 2021
4 JANUARY 2022

REQ. NO/FILE NO: 5127/D

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: P. KEARNS — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BRADLER — LEAD CARTOGRAPHER
APPROVED: J. MGAZ — DEPUTY CHIEF OF SURVEY
DATE: 14 JANUARY 2022

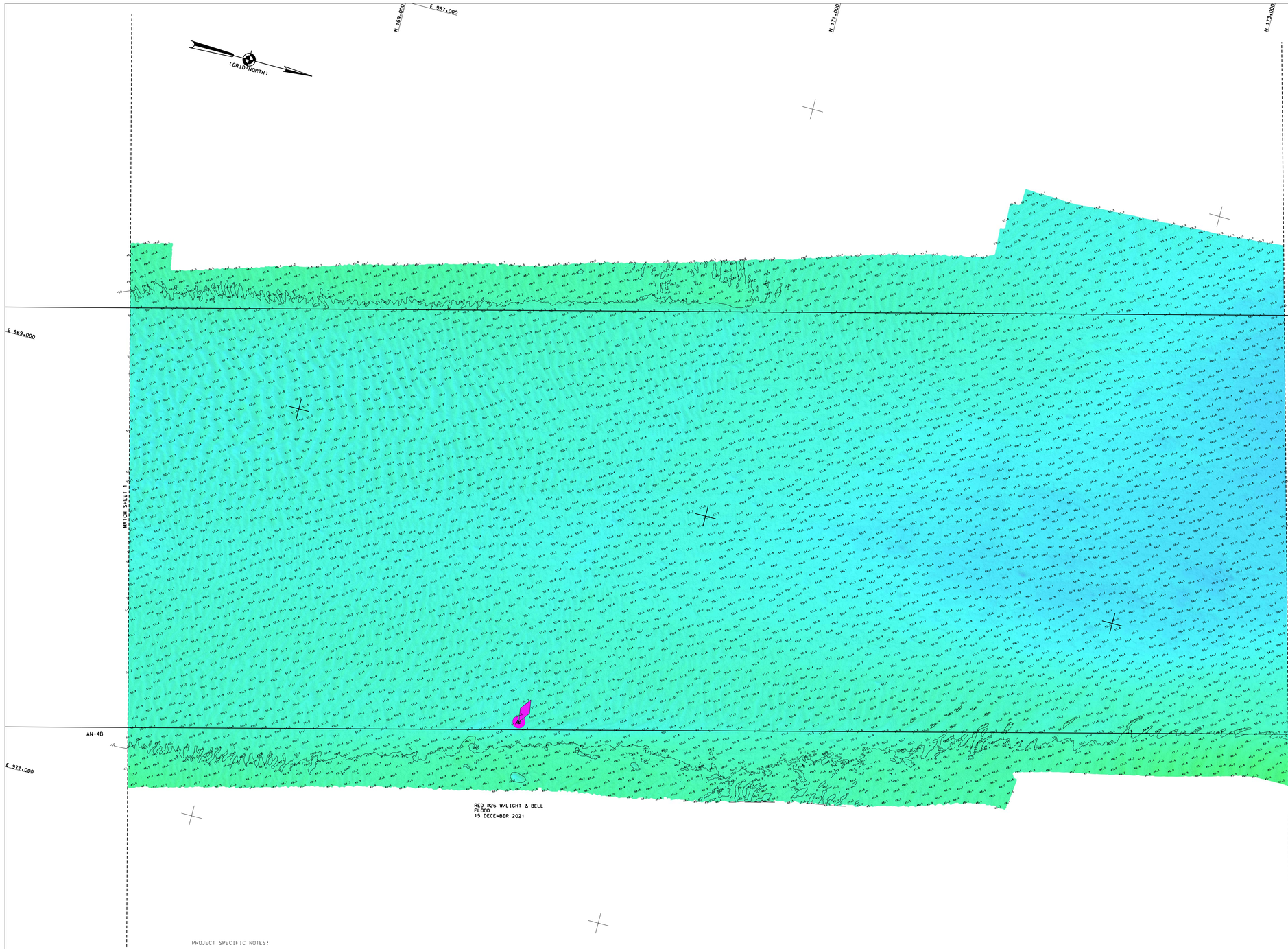
DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
ANCHORAGE CHANNEL
CONDITION SURVEY

VH-101

SHEET 1 OF 6



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NSRS BENCHMARK
BENCHMARK: S.SIMON (PID: BBCW10)
ELEVATION: 7.25' NAVD 1988

LOCAL CONTROL DATA
BENCHMARK: CAVEN 1
ELEVATION: 5.82' NAVD 1988

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

ESQ	PR	
SUD/CMI	MP	

DATES OF SURVEY:
23-24 NOVEMBER 2021
20-22 DECEMBER 2021
4 JANUARY 2022

REQ. NO/FILE NO: 5127/D

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N.A.

APPROVED: P. KEARNS — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHABUR — CHIEF CARTOGRAPHER
APPROVED: J. MRAZ — BRANCH CHIEF OF SURVEY
DATE: 14 JANUARY 2022

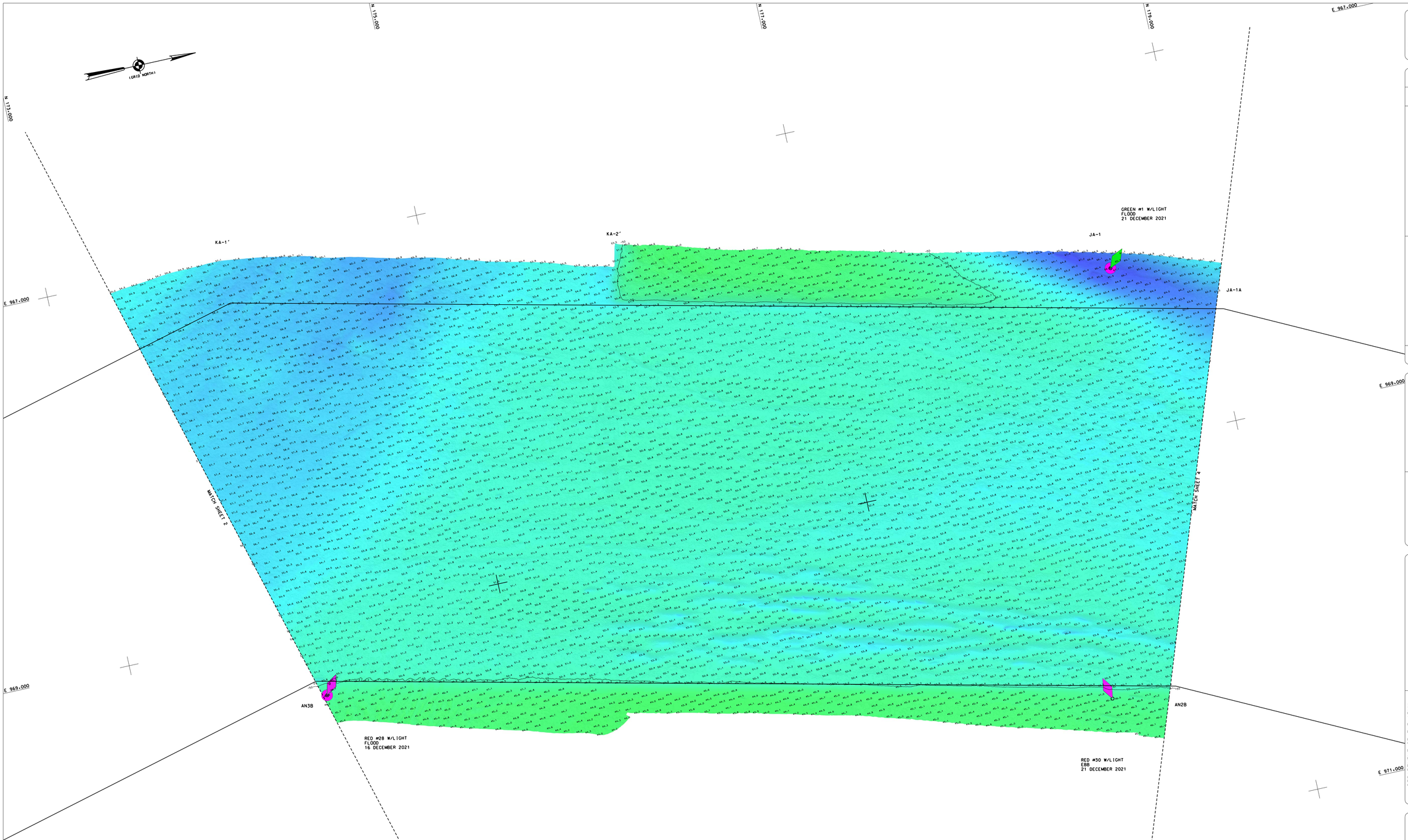
DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
ANCHORAGE CHANNEL
CONDITION SURVEY

VH-102

SHEET 2 OF 6



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NSRS BENCHMARK
BENCHMARK: S.SIMON (PID: BBCW10)
ELEVATION: 7.25' NAVD 1988

LOCAL CONTROL DATA
BENCHMARK: CAVEN 1
ELEVATION: 5.82' NAVD 1988

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

ESD	PR	
SUD/CMI	MP	

DATES OF SURVEY:
20-21 DECEMBER 2021
4 JANUARY 2022

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

REQ. NO/FILE NO: 5127/D

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

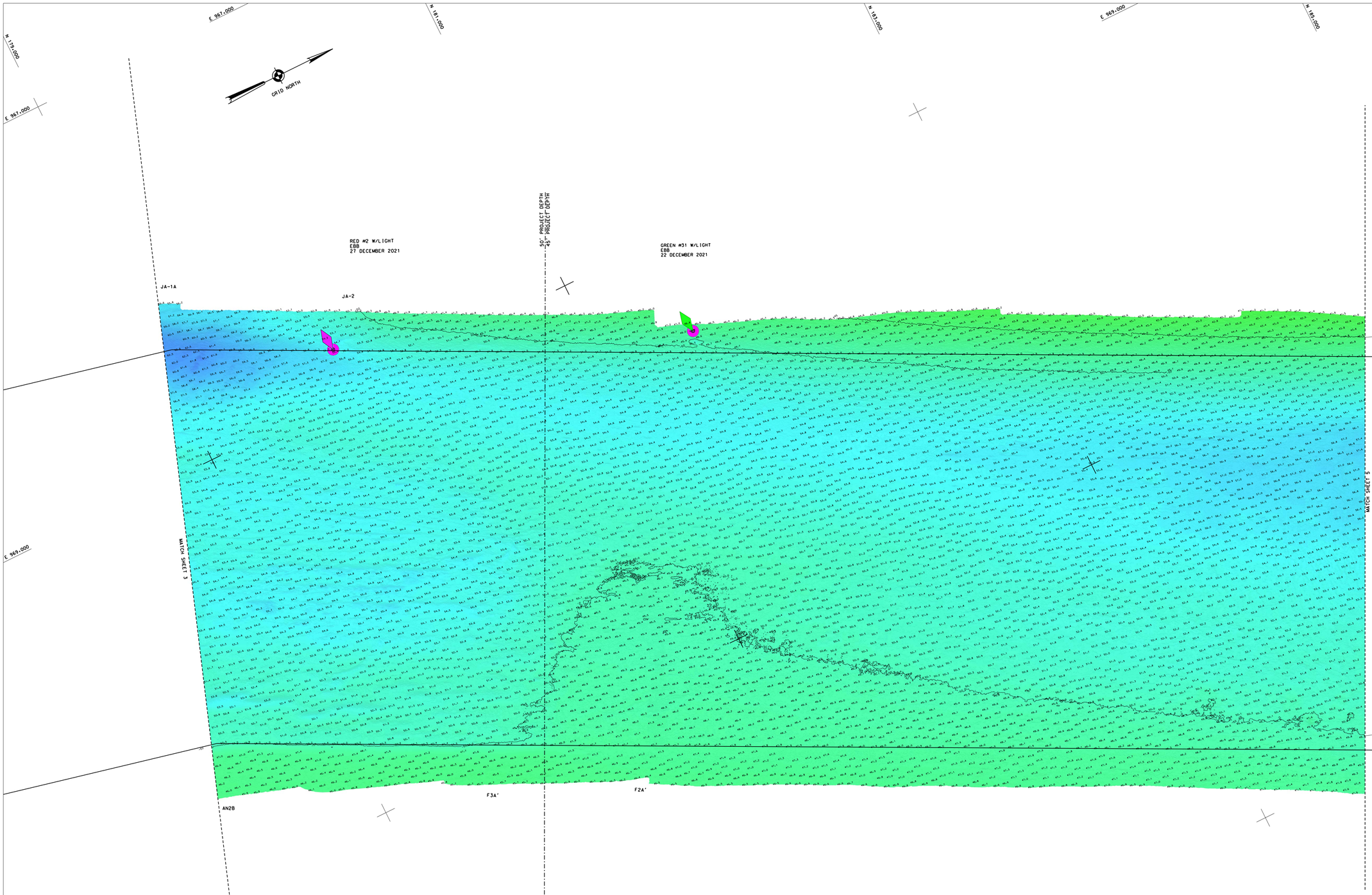
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

APPROVED: P. KEARNS — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: F. BHAEDUR — CHIEF CARTOGRAPHER
APPROVED: J.MBAZ — DEPUTY CHIEF OF SURVEY
DATE: 14 JANUARY 2022

NEW YORK HARBOR
ANCHORAGE CHANNEL
CONDITION SURVEY

VH–103

SHEET 3 OF 6



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NSRS BENCHMARK
BENCHMARK: S.SIMON (PID: BBCW10)
ELEVATION: 7.25' NAVD 1988

LOCAL CONTROL DATA
BENCHMARK: CAVEN 1
ELEVATION: 5.82' NAVD 1988

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

ESO	PR	
SUO/CM	MP	

DATES OF SURVEY:
10-14-15-16-21-22
22-23-28-29-30-02 2021
4-JANUARY 2022

REQ. NO/FILE NO: 5127/D

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: P. KEARNS — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BIRADUR — FIELD CARTOGRAPHER
APPROVED: J. MRAZ — BRANCH CHIEF OF SURVEY
DATE: 14 JANUARY 2022

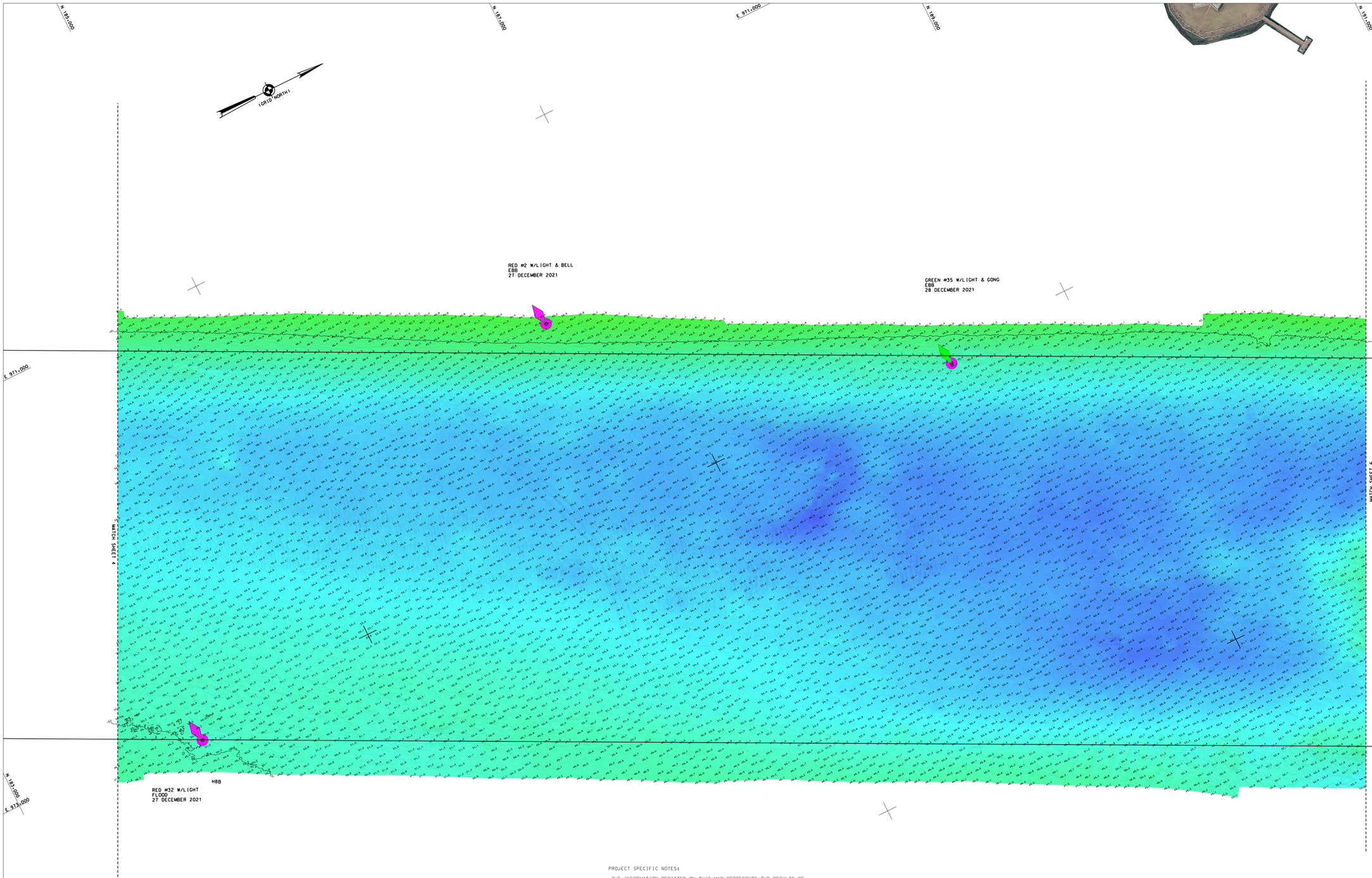
DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
ANCHORAGE CHANNEL
CONDITION SURVEY

VH-104

SHEET 4 OF 6



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NSRS BENCHMARK
BENCHMARK: S.SIMON (PID: BBCW10)
ELEVATION: 7.25' NAVD 1988

LOCAL CONTROL DATA
BENCHMARK: CAVEN 1
ELEVATION: 5.82' NAVD 1988

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

ESG	SJO/CM	PR
		MP

DATES OF SURVEY:
20,24,25,26,27,28 DECEMBER 2021
2, 3 JANUARY 2022

REQ. NO/FILE NO: 5127/D

SCALE: ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: P. KEARNS — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHAZUR — CHIEF CARTOGRAPHER
APPROVED: J. MRAZ — BRANCH CHIEF OF SURVEY
DATE: 14 JANUARY 2022

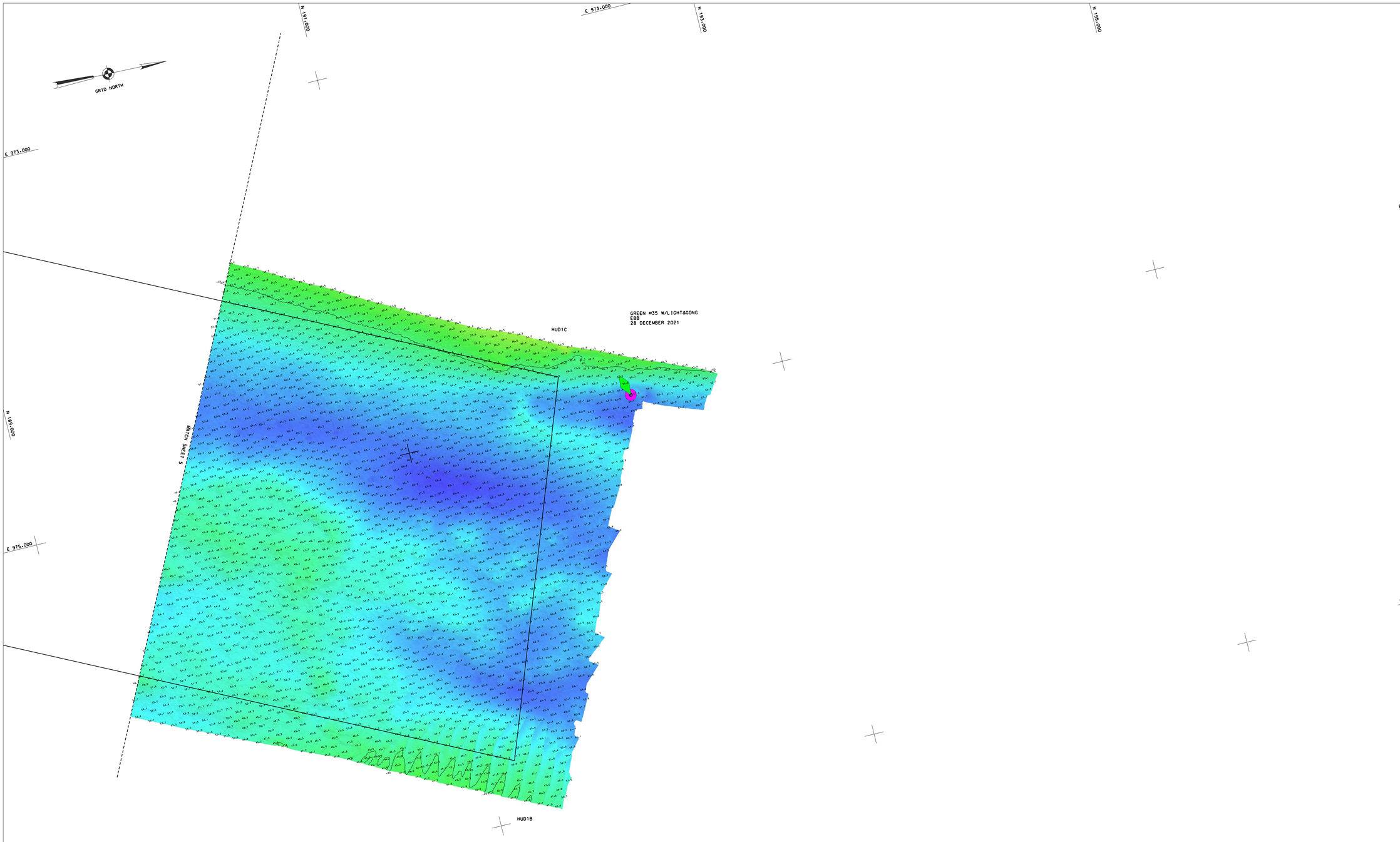
DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
ANCHORAGE CHANNEL
CONDITION SURVEY

VH-105

SHEET 5 OF 6



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NSRS BENCHMARK
BENCHMARK: S.SIMON (PID: BBCW10)
ELEVATION: 7.25′ NAVD 1988

LOCAL CONTROL DATA
BENCHMARK: CAVEN 1
ELEVATION: 5.82′ NAVD 1988

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

ESO	PR	
SSO/CMM	MBP	

DATES OF SURVEY:
10-14 SEPTEMBER 2021
22-27 OCTOBER 2021
4 JANUARY 2022

REQ. NO/FILE NO: 5127/D

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: P. KEARNS — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: F. BHAGUR — LEAD CARTOGRAPHER
APPROVED: J. MRAZ — DEPUTY CHIEF OF SURVEY
DATE: 14 JANUARY 2022

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
ANCHORAGE CHANNEL
CONDITION SURVEY

VH-106

SHEET 6 OF 6