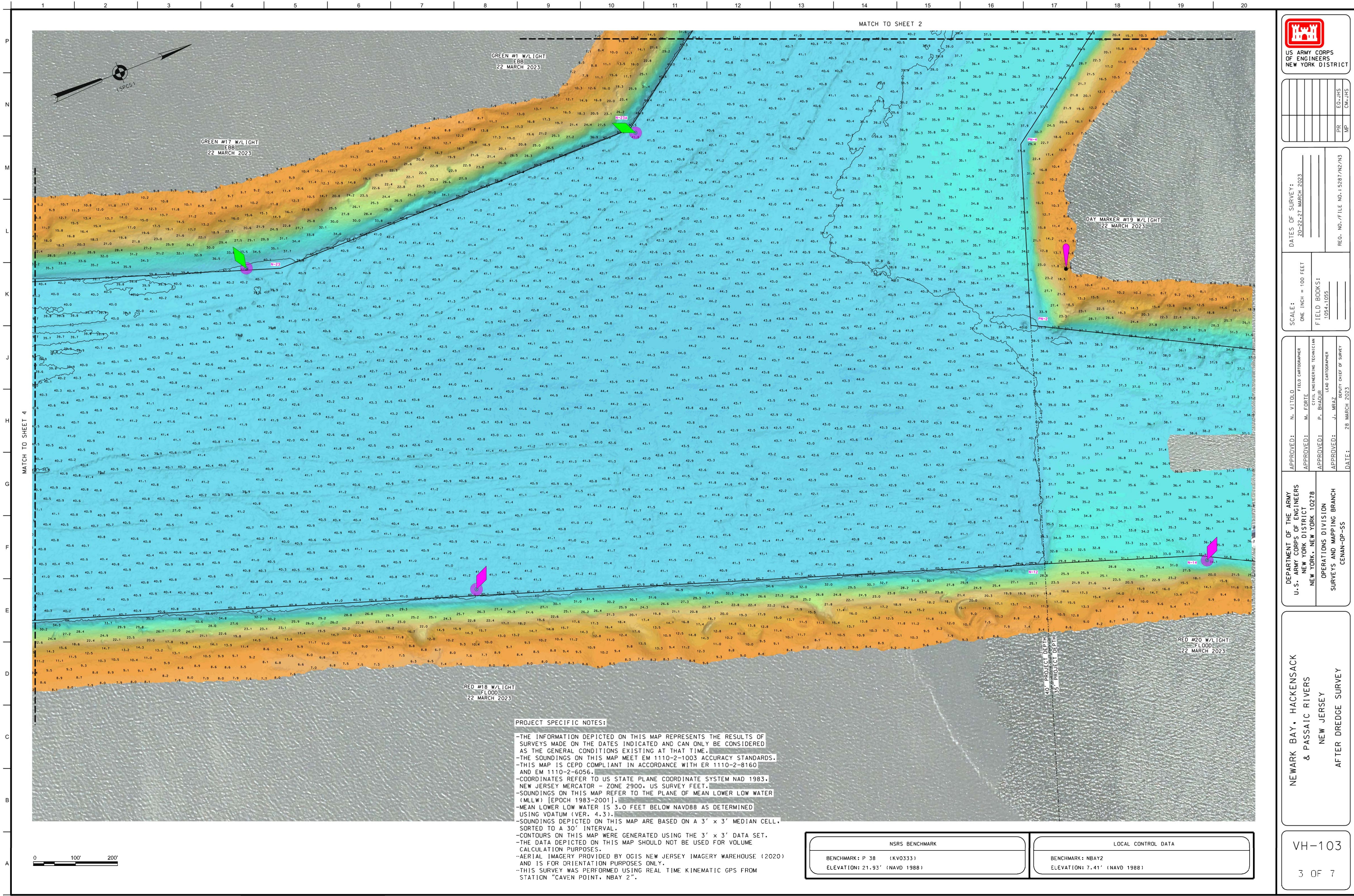
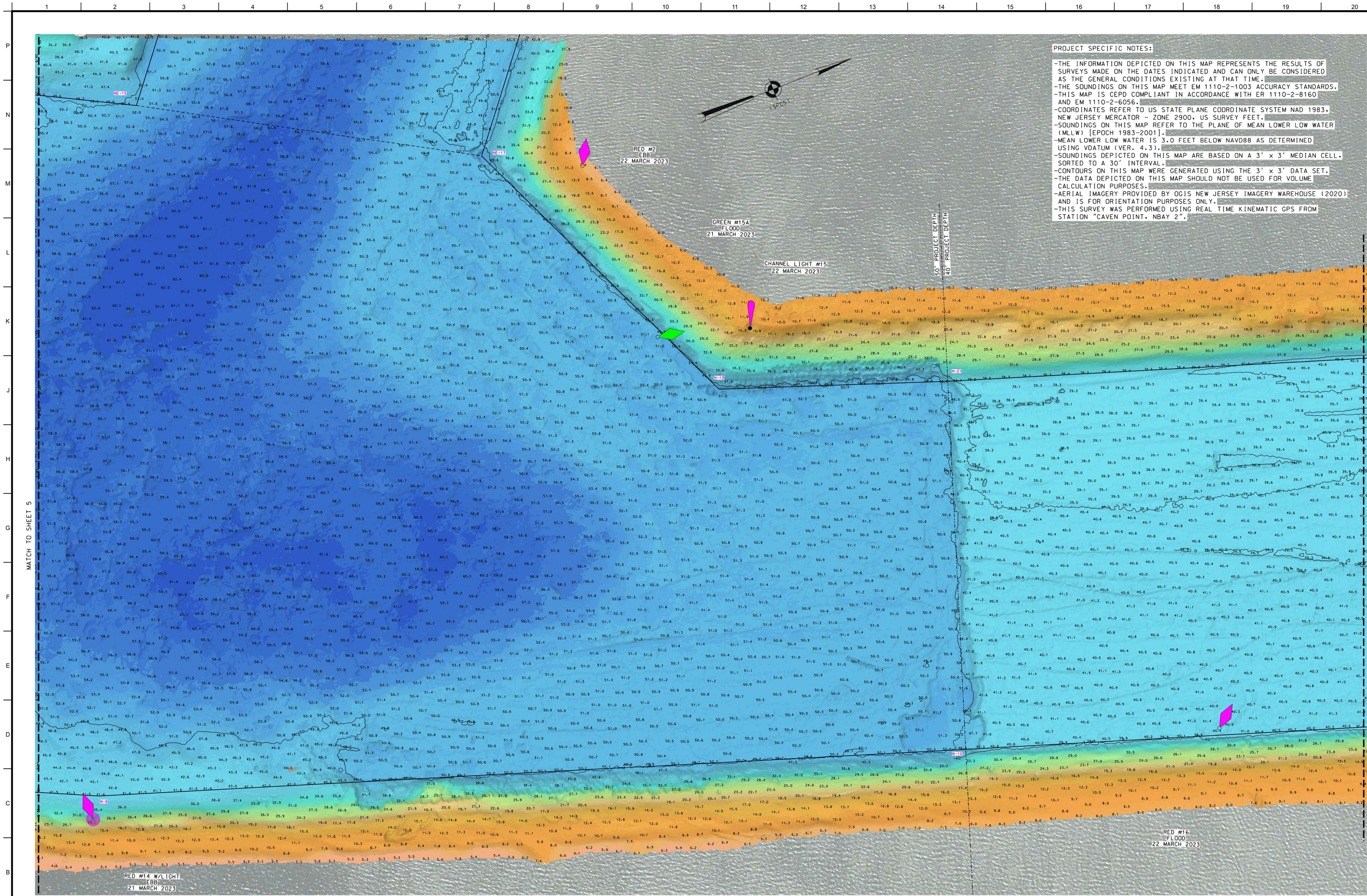
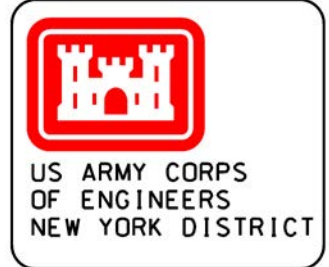






PROJECT SPECIFIC NOTES:

- 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. 4.3).
- 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 OGIS NEW JERSEY IMAGERY WAREHOUSE (2020) AND IS FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "CAVEN POINT, NBAY 2".



US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT
EQJHS
CMJHS
PR
MP

DATES OF SURVEY: 20-22-27 MARCH 2023	SCALE: ONE INCH = 100 FEET
FIELD BOOKS: 1054,1055	REO. NO./FILE NO.: 5287/N2/N3

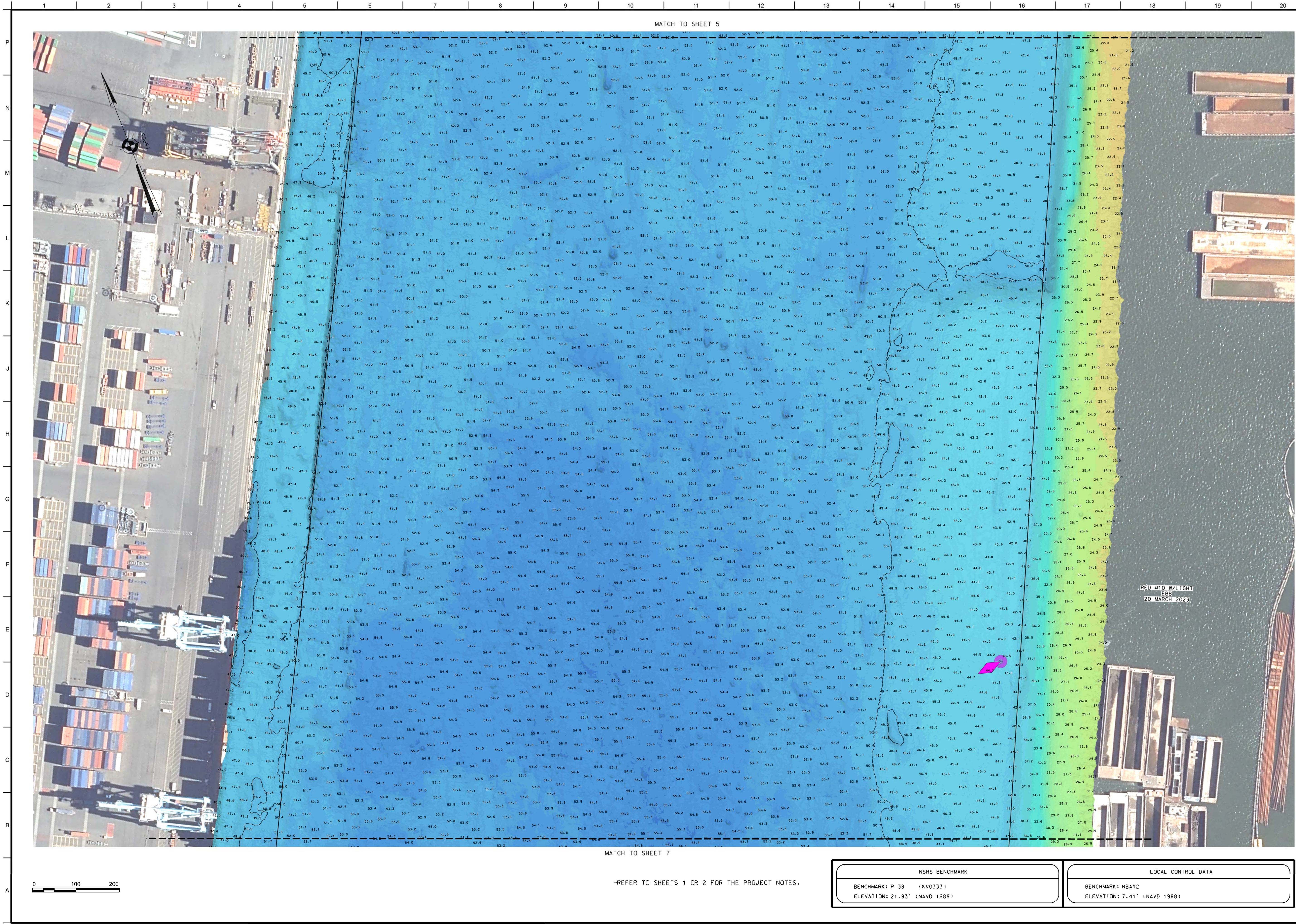
APPROVED: N. VITELLO FIELD CARTOGRAPHER	APPROVED: M. FORTE SENIOR ENGINEERING TECHNICIAN
APPROVED: P. BLODGETT LEAD CARTOGRAPHER	APPROVED: J. MRAB DEPUTY CHIEF OF SURVEY
DATE: 28 MARCH 2023	

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
---	--

NEWARK BAY, HACKENSACK & PASSAIC RIVERS NEW JERSEY AFTER DREDGE SURVEY
--

VH-104
4 OF 7

NSRS BENCHMARK BENCHMARK: P 38 (KVO333) ELEVATION: 21.93' (NAVD 1988)	LOCAL CONTROL DATA BENCHMARK: NBAY2 ELEVATION: 7.41' (NAVD 1988)
---	--





US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

EQ JHS	CM JHS
PR	MP

DATES OF SURVEY:
20-22-27 MAR 2023

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1054, 1055

REQ. NO./FILE NO.: 5287/N2/M3

APPROVED: N. VITOLO FIELD CARTOGRAPHER

APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BLOQUE LEAD CARTOGRAPHER

APPROVED: J. MRAZ DEPUTY CHIEF OF SURVEY

DATE: 28 MARCH 2023

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

OPERATIONS DIVISION
SURVEYS AND MAPPING BRANCH
CCNAN-OP-SS

NEWARK BAY, HACKENSACK
& PASSAIC RIVERS
NEW JERSEY

AFTER DREDGE SURVEY

VH-106

6 OF 7

