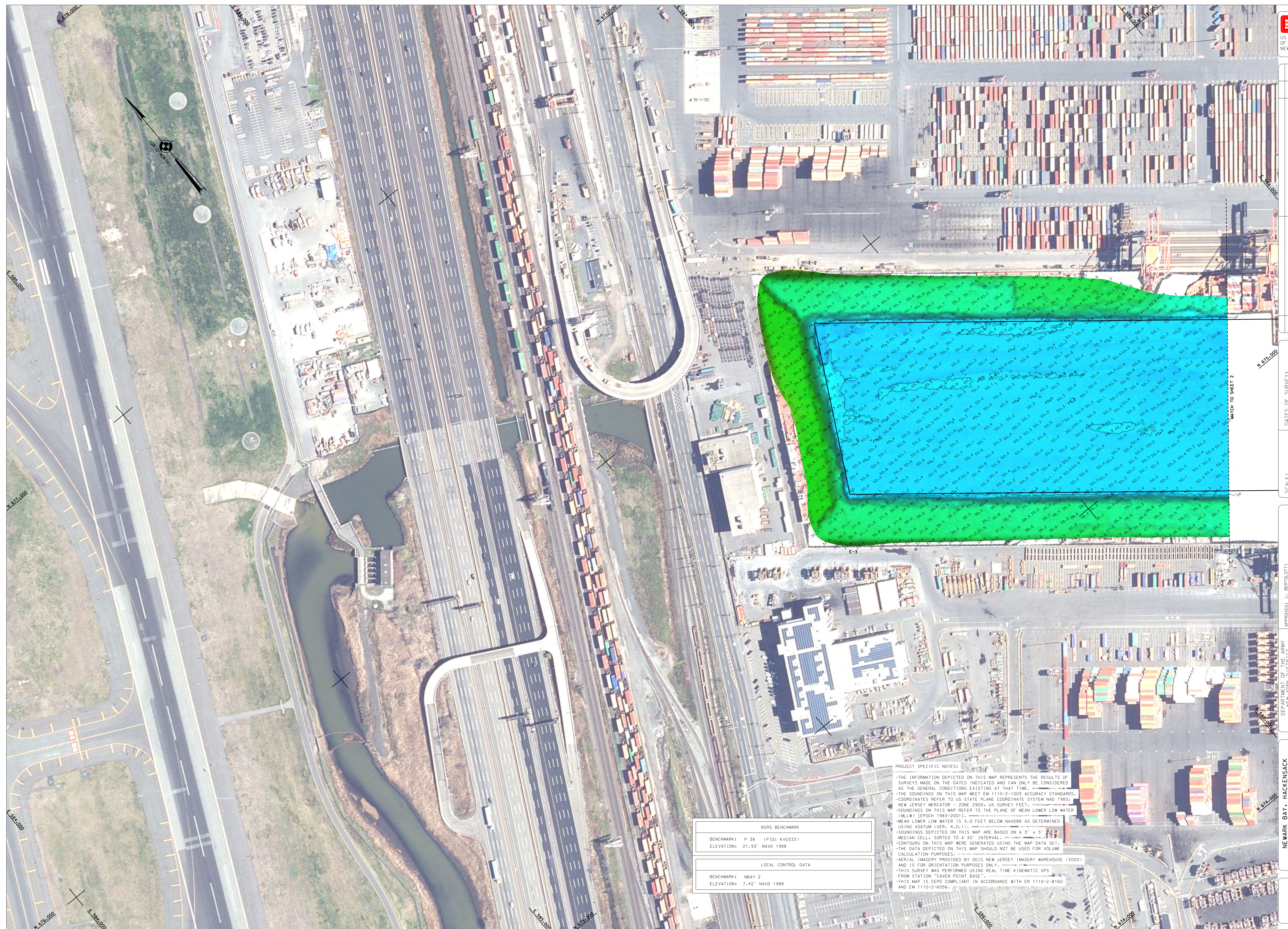


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FIELD CATEGORICAL

APPROVED: M. FORTE

CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR

LEAD CATEGORICAL TECHNICIAN

APPROVED: J. MRAZ

CHIEF OF SURVEY

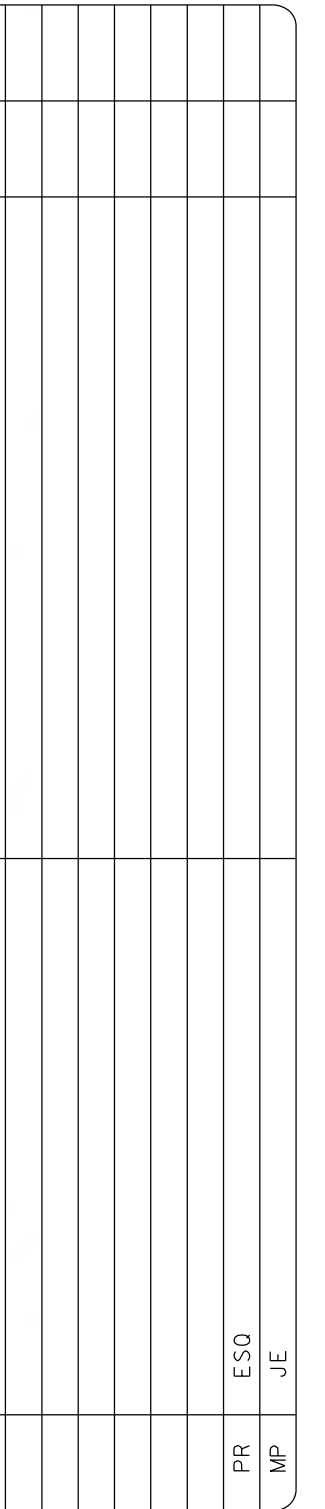
DATE: 10 FEBRUARY 2022

NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

NEW JERSEY
PORT ELIZABETH CHANNEL
& PASSAIC RIVERS
CONDITION SURVEY

VH-101

SHEET 1 OF 3



DATES OF SURVEY:
26 & 31 JANUARY 2022
2 FEBRUARY 2022

SCALE:
ONE INC

APPROVED: J. BERTOLOTTI
FIELD ENGINEER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARBOGRAPHIC TECHNICIAN

APPROVED: J. MRAZ
SENIOR CHIEF OF SURVEY

DATE: 10 FEBRUARY 2022

NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK • NEW YORK 10278

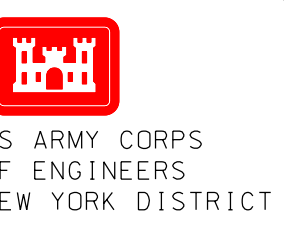
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK
& PASSAIC RIVERS
NEW JERSEY
PORT ELIZABETH CHANNEL
CONDITION SURVEY

VH-102

SHEET 2 OF 3

D. NO./FILE NO.:5136/N4



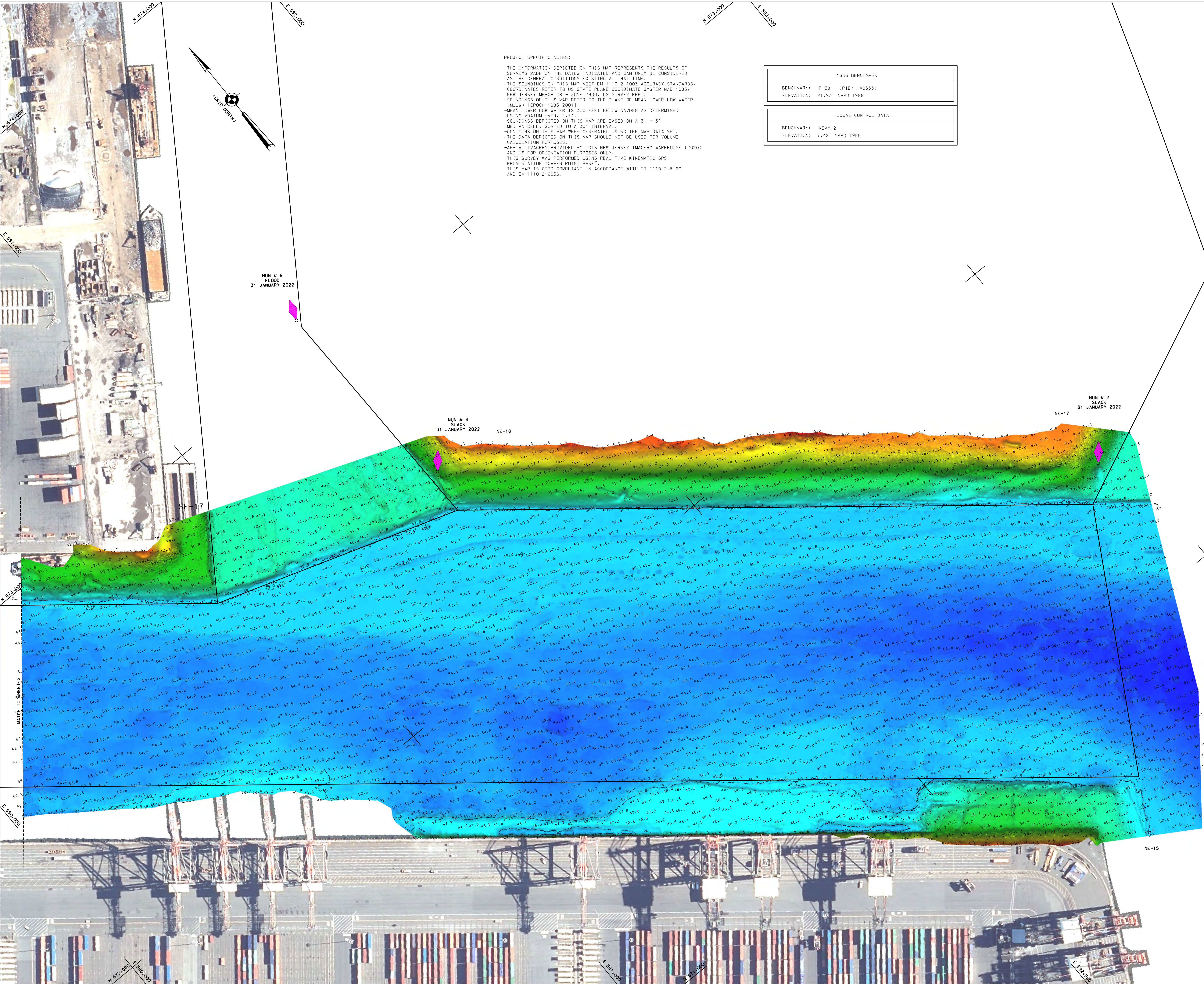
US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

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, NEW JERSEY MERIDIAN - ZONE 2000, US SURVEY FEET.
-SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) [EPDCH 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 MAP DATA SET.
-THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
-AERIAL IMAGERY PROVIDED BY DGIS NEW JERSEY IMAGERY WAREHOUSE (2020) AND IS FOR ORIENTATION PURPOSES ONLY.
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "CAVEN POINT BASE".
-THIS MAP IS CEPO COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

NSRS BENCHMARK	
BENCHMARK:	P 38 (PID: KV0333)
ELEVATION:	21.93' NAVD 1988

LOCAL CONTROL DATA	
BENCHMARK:	NBAY 2
ELEVATION:	7.42' NAVD 1988



DATE OF SURVEY:	26 & 31 JANUARY 2022
DATE OF SURVEY:	2 FEBRUARY 2022

SCALE:	ONE INCH = 100 FEET
FIELD BOOKS:	DNA 10-202116

REQ. NO./FILE NO.:	15136/NA
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APPROVED:	J. BERTOLITTI
APPROVED:	M. FORTE
APPROVED:	P. BRIDGES
APPROVED:	J. MSAZ

DEPARTMENT OF THE ARMY	NEW YORK DISTRICT
NEW YORK DISTRICT	NEW YORK DISTRICT
NEW YORK DISTRICT	NEW YORK DISTRICT
NEW YORK DISTRICT	NEW YORK DISTRICT

OPERATIONS DIVISION	NEW YORK DISTRICT
NEW YORK DISTRICT	NEW YORK DISTRICT
NEW YORK DISTRICT	NEW YORK DISTRICT
NEW YORK DISTRICT	NEW YORK DISTRICT

DATE:	10 FEBRUARY 2022
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NEWARK BAY, HACKENSACK
& PASSAIC RIVERS
NEW JERSEY
PORT ELIZABETH CHANNEL
CONDITION SURVEY

VH-103
SHEET 3 OF 3