





US ARMY CORPS  
OF ENGINEERS  
NEW YORK DISTRICT

DATES OF SURVEY:  
4-6, 10-11, 27 APRIL 2023  
2 MAY 2023

SCALE:  
ONE INCH = 600 FEET  
FIELD BOOKS:  
DNA 10

REQ. NO./FILE NO.: 15285/D/N2

APPROVED: P. KEARNS  
APPROVED: M. FORTE  
APPROVED: P. BALLOU  
APPROVED: J. MGAZ

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

DATE:  
4 MAY 2023

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

VH-101  
1 OF 6

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 AND IS FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "NBAY 2".

LOCAL CONTROL DATA		NSRS BENCHMARK	
BENCHMARK: NBAY 2		BENCHMARK: P 38 (PID:KV0333)	
ELEVATION: 7.41' (NAVD 1988)		ELEVATION: 21.93' (NAVD 1988)	



















