



- 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 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 2.8 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 45° 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 DISCOVER GIS DATA NY 2020 AND IS FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "RTK CAVEN POINT".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

LOCAL CONTROL DATA	
BENCHMARK: B5	(PID:KV0006)
ELEVATION: 63.49'	(NAVD 1988)

NSRS BENCHMARK	
BENCHMARK: B5	(PID:KV0006)
ELEVATION: 63.49'	(NAVD 1988)

MATCH TO SHEET 2

[illegible]

DATES OF SURVEY:
18, 21 APRIL 2022

REC. NO./FILE NO.: 5172/N1/N4

SCALE:

FIELD BOOKS:

APPROVED: J. MCKELVEY/M. APPEL
FIELD CARTOGRAPHER

APPROVED: P. BHADUR
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CIVIL ENGINEERING TECHNICIAN

DATE: 27 APRIL 2022

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

CENAN-OPS-S

RARITAN RIVER TO ARTHUR KILL
CUT-OFF CHANNEL, NJ

CONDITION SURVEY

VH-101

1 OF 3

