

REG. NO./FILE NO.: 5005/N3

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1043 _____

APPROVED: J. BERTOLOTI
FIELD ENGINEER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
CIVIL ENGINEER

APPROVED: J. MPAZ
DEPUTY CHIEF OF ENGINEER

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

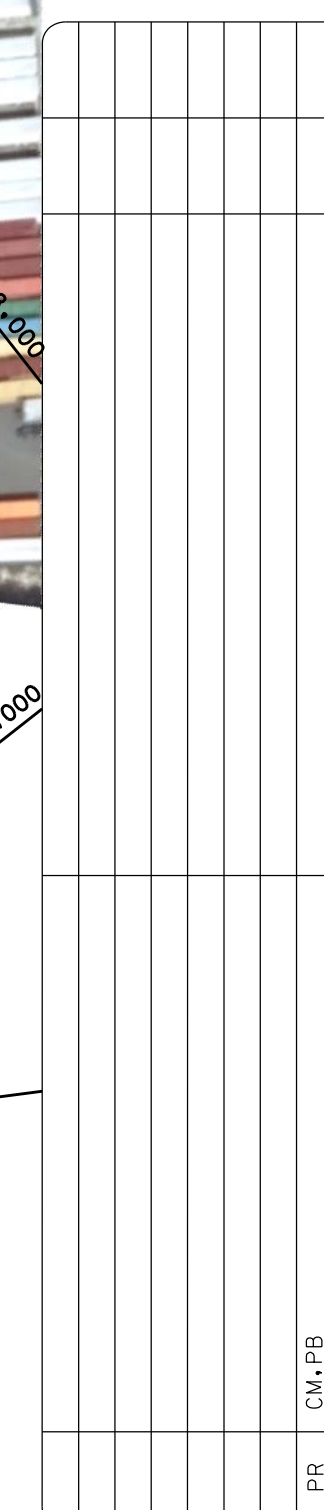
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK &
PASSAIC RIVERS
HACKENSACK RIVER
CONDITION SURVEY

VH-101

SHEET 1 OF 1

REQ. NO./FILE NO.:



SCALE: ONE INCH = 100 FEET	DATES OF SURVEY: 10.12 NOVEMBER 2020
FIELD BOOKS: N/A	REC. NO. 65116 UN. + 500500X

APPROVED: J. BERTOLOTI
FIELD ENGINEER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARPENTERS

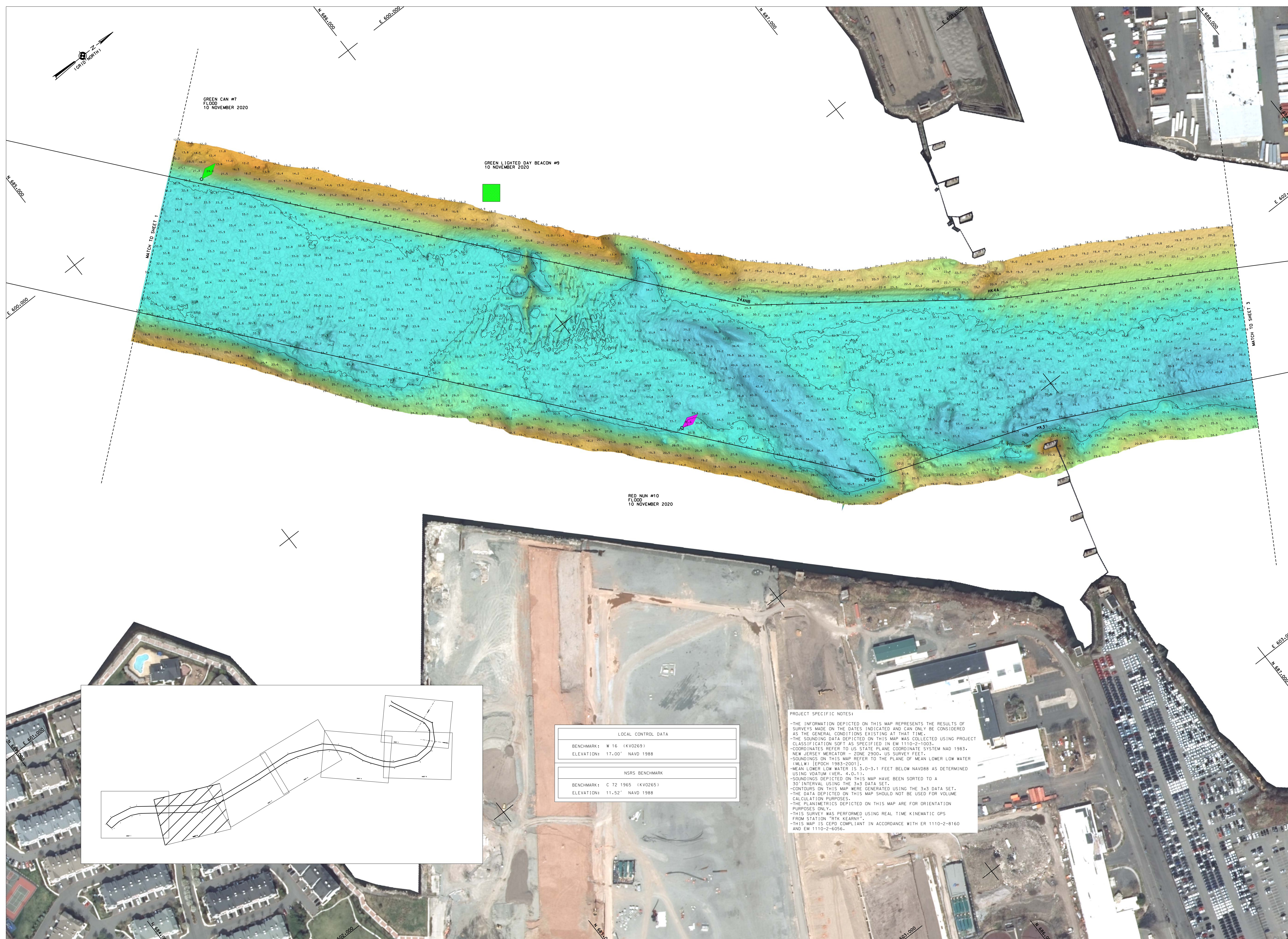
APPROVED: J. MRAZ
DEPUTY CHIEF OF SURVEYS

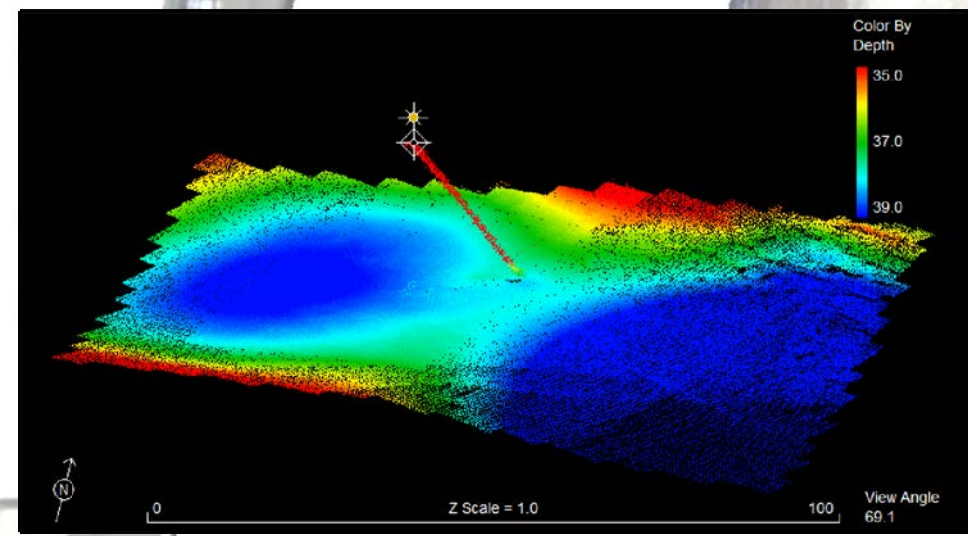
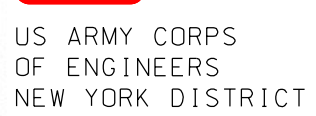
ARK BAY, HACKENSACK &
PASSAIC RIVERS
HACKENSACK RIVER
CONDITION SURVEY

VH-102

SHEET 2 OF 7

REF. NO. / FILE NO. + E.



[illegible]

SCALE : ONE INCH = 100 FEET	DATES OF SURVEY : 10.12 NOVEMBER 2020
FIELD BOOKS : 1043	REQ. NO./FILE NO. : 5005/M3

DEPARTMENT OF THE ARMY NEW YORK DISTRICT NEW YORK, NEW YORK 10278	APPROVED: J. J. BERTOLOTTI TASK CHIEF/DATE
	APPROVED: M. FORTE TASK CHIEF/DATE
	APPROVED: P. BHADUR TASK CHIEF/DATE
OPERATIONS DIVISION SURVEY SECTION CENAN-OP-S	APPROVED: J. J. WRAZ TASK CHIEF/DATE
	DATE: 20 NOVEMBER 2020

NEWARK BAY, HACKENSACK &
PASSAIC RIVERS
HACKENSACK RIVER
CONDITION SURVEY

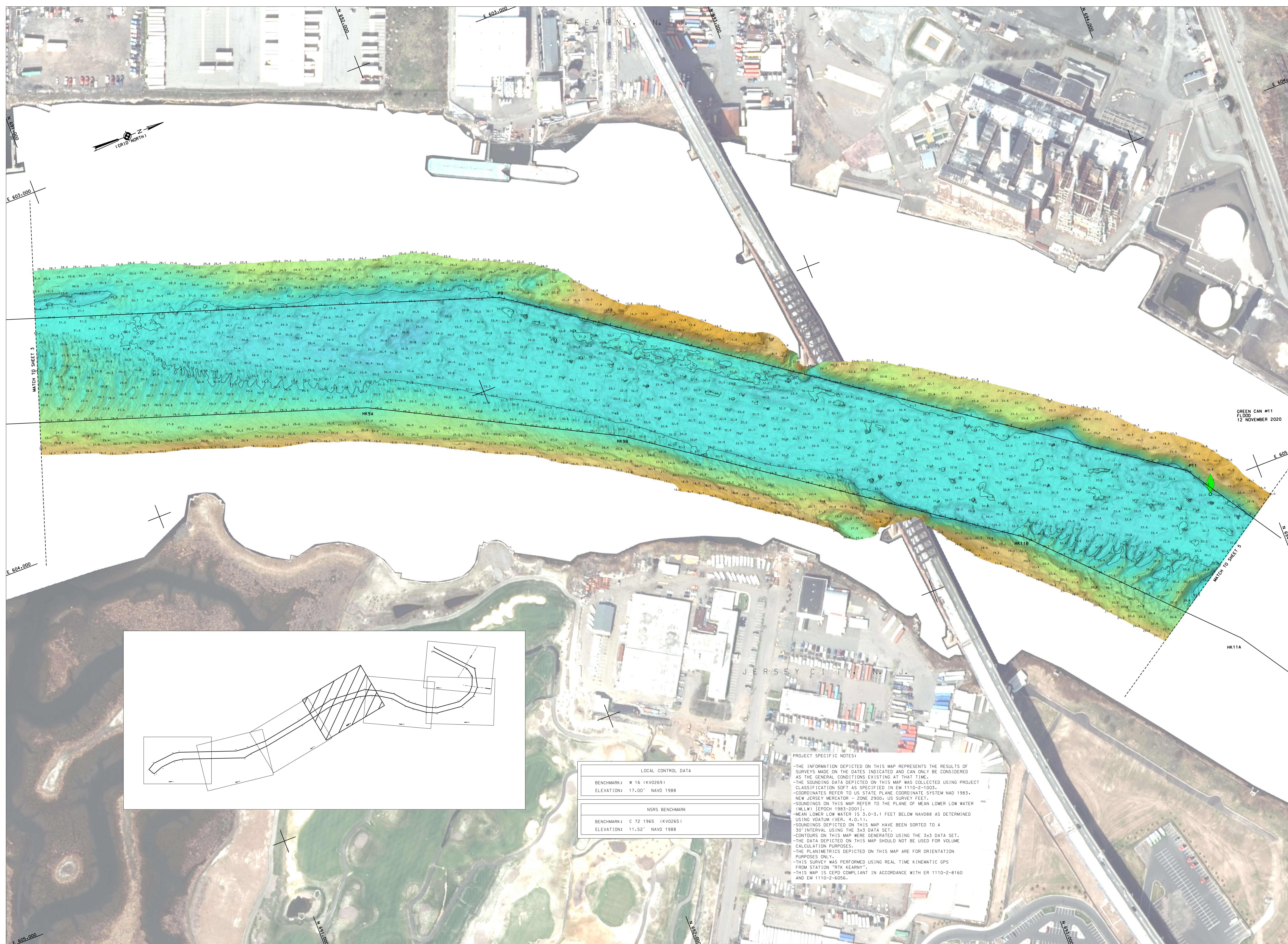
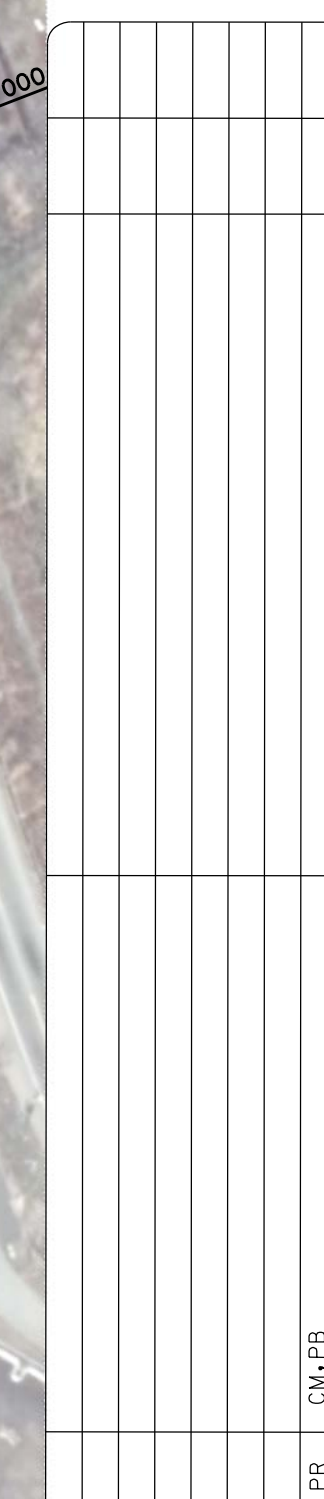
VH-103

SHEET 3 OF 7

REQ. NO./FILE NO.: 5005/N3

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 SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT 10-CLASSIFICATION SOFT COPY DATA.
- COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 83, NORTH AMERICAN 1983 ZONE 2000, US SURVEY FEET.
- ELEVATIONS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) [EPCHD 1983-2001].
- THIS SURVEY WAS PERFORMED USING REAL TIME NAVIGATOR AS DETERMINED USING VDATUM (VER. 4.0.1).
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN THINNED TO A 30' INTERVAL USING THE FOLLOWING CRITERIA:
 - 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 ONLY.
 - THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINETIC GPS FROM STATION "RT KEARNY".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-21860 AND FEM 1110-21860.



DATE OF SURVEY:
10.12 NOVEMBER 2020

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
1043

APPROVED: J. BERTOLOTI
FIELD ENGINEER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARPENTER

APPROVED: J. MEAZ
SENIOR CHIEF OF SUPPLIES

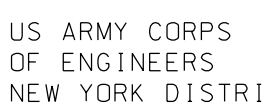
DEPARTMENT OF THE ARMY
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OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK &
PASSAIC RIVERS
HACKENSACK RIVER
CONDITION SURVEY

VH-104

SHEET 4 OF 7

[illegible]

SCALE: ONE INCH = 100 FEET	DATES OF SURVEY: 10.12 NOVEMBER 2020
FIELD BOOKS: 1043	

APPROVED: J. BERLOTTI	FIELD ENGINEER
APPROVED: M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BHADUR	LEAD CARTOGRAPHER
APPROVED: J. MRAZ	PROJECT MANAGER

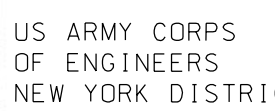
DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK &
PASSAIC RIVERS
HACKENSACK RIVER
CONDITION SURVEY

VH-105

SHEET 5 OF 5

[illegible]

SCALE: ONE INCH = 100 FEET	DATES OF SURVEY: 10.12 NOVEMBER 2020
FIELD BOOKS: 1043	
	DEPT. NO. JETILE NO. • 5005.4N3

APPROVED: J. BERTOLOTTI
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: P. BHADUR
LEAD CARTOGRAPHER

APPROVED: J. MRAZ
SENIOR CHIEF OF SURVEYS

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

ARK BAY, HACKENSACK &
PASSAIC RIVERS

VH-106

SHEET 6 OF 7

REQ. NO./FILE NO.: 5005/N3

