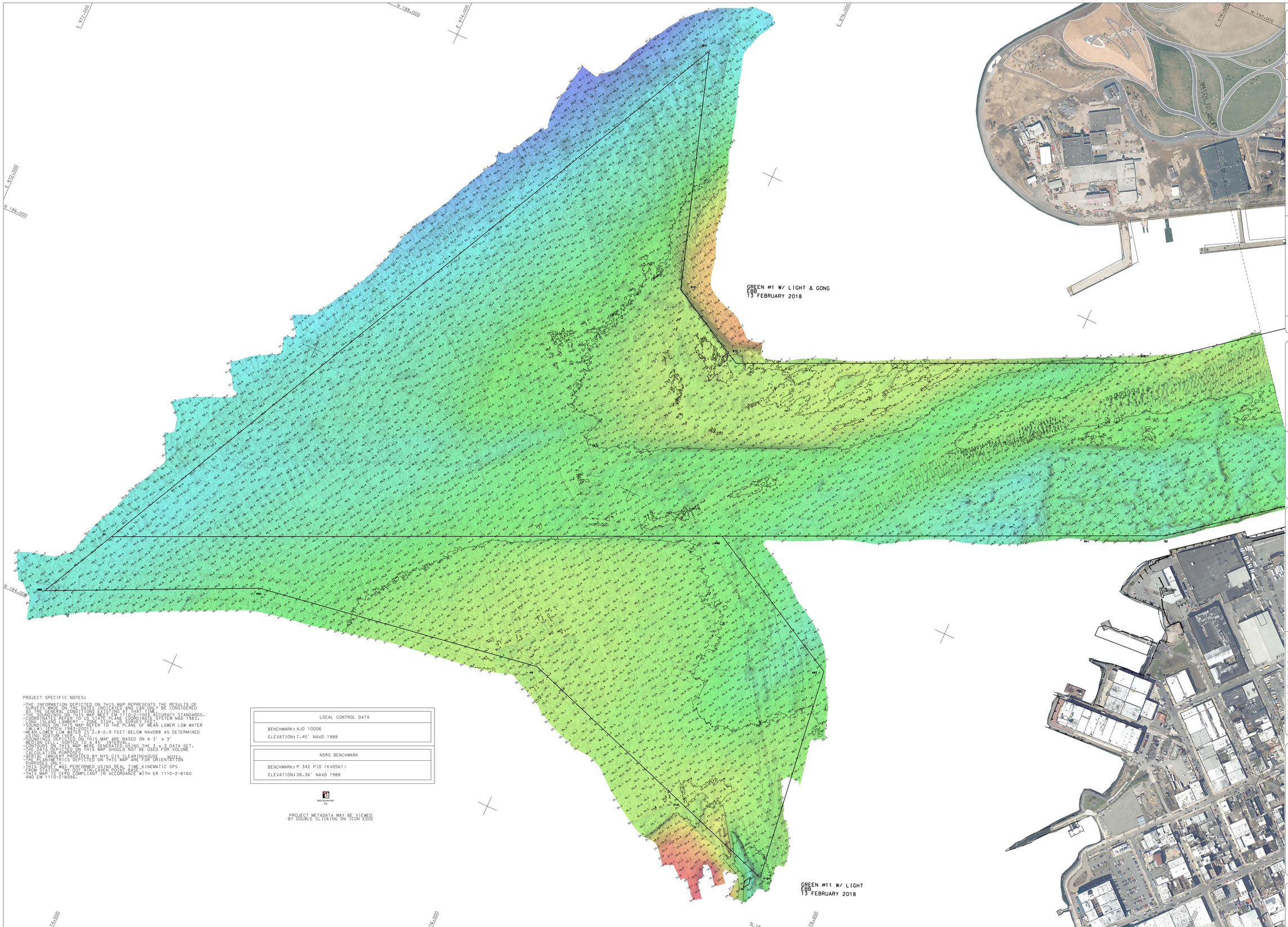
CORPS OF ENGINEERS

U. S. ARMY



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. LONG ISLAND LAMBERT - ZONE 3104, 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 2.8-2.9 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 3.0).
- 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 NYS GIS CLEARINGHOUSE - NOTE.
- THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "NY DOT RTN,CAVEN POINT BASE".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

LOCAL CONTROL DATA
BENCHMARK: AJD 10006
ELEVATION: 7.45' NAVD 1988

NSRS BENCHMARK
BENCHMARK: P 342 PID (KV0561)
ELEVATION: 38.36' NAVD 1988

4665 Buttermilk Ch

PROJECT METADATA MAY BE VIEWED BY DOUBLE CLICKING ON ICON EDGE

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

SK/NV PR
SK MP

DATES OF SURVEY: 8,12,13 FEBRUARY 2018

FILE NO.: 116
REQUEST NO.: 46650

SCALE: ONE INCH = 200 FEET

FIELD BOOKS:

APPROVED: R.ARIWOOLA — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE — LEAD CARTOGRAPHER
APPROVED: J.MRAZ — DEPUTY CHIEF OF SURVEY
DATE: 28 FEBRUARY 2018

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

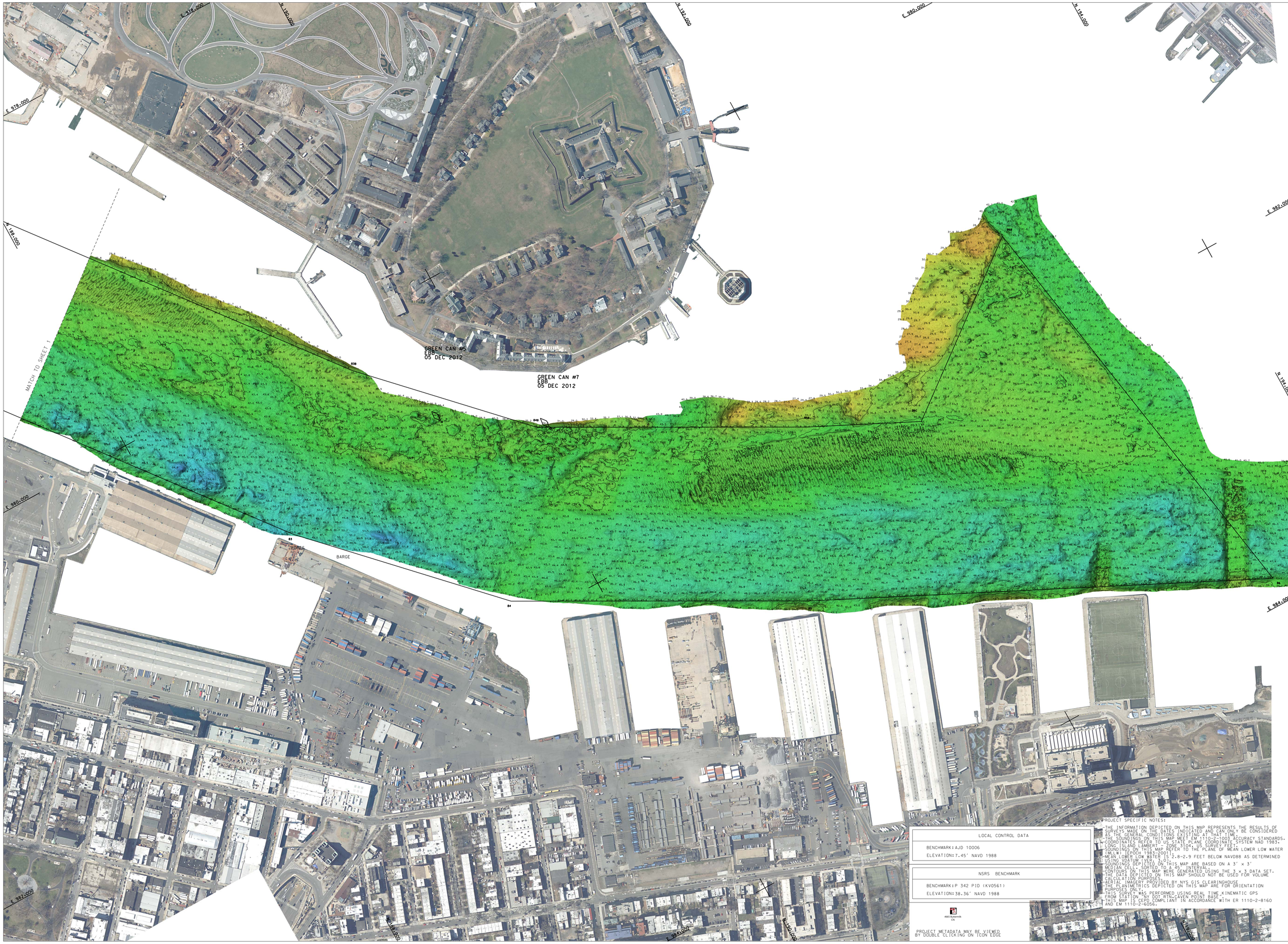
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
BUTTERMILK CHANNEL
CONDITION SURVEY

VH-101

SHEET 1 OF 2

116
46650



US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PR	SK/NV	
SK	MP	

DATES OF SURVEY:
8.12.13 FEBRUARY 2018

FILE NO.: 116
PAGE NO.: 4665

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:

APPROVED: R.ABIMODLA — CHIEF, CARTOGRAPHY
APPROVED: M. FORTE — CHIEF, ENGINEERING TECHNICIAN
APPROVED: D. CLARKE — CHIEF, CARTOGRAPHY
APPROVED: J.MIRAZ — DEPUTY CHIEF OF SURVEY
DATE: 28 DECEMBER 2018

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
BUTTERMILK CHANNEL
CONDITION SURVEY

VH–102

SHEET 2 OF 2

LOCAL CONTROL DATA
BENCHMARK: AJD 10006
ELEVATION: 7.45' NAVD 1988

NSRS BENCHMARK
BENCHMARK: P 342 PID (KV0561)
ELEVATION: 38.36' NAVD 1988

4665 Buttermilk
CN

PROJECT METADATA MAY BE VIEWED
BY DOUBLE CLICKING ON TCON EDGE

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, LONG ISLAND AMERICAN FORT 5104, US SURVEY FEET.
- SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) ON 1983 EPOCH.
- MLLW IS APPROXIMATELY 2.8-2.9 FEET BELOW NAVD88 AS DETERMINED USING VDATUM VER. 3.0.3.
- 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 NYS GIS CLEARINGHOUSE.
- THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION RTK DGPS-RTN:CAVEN POINT BASE.
- THIS MAP IS CERTIFIED COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

116
4665D