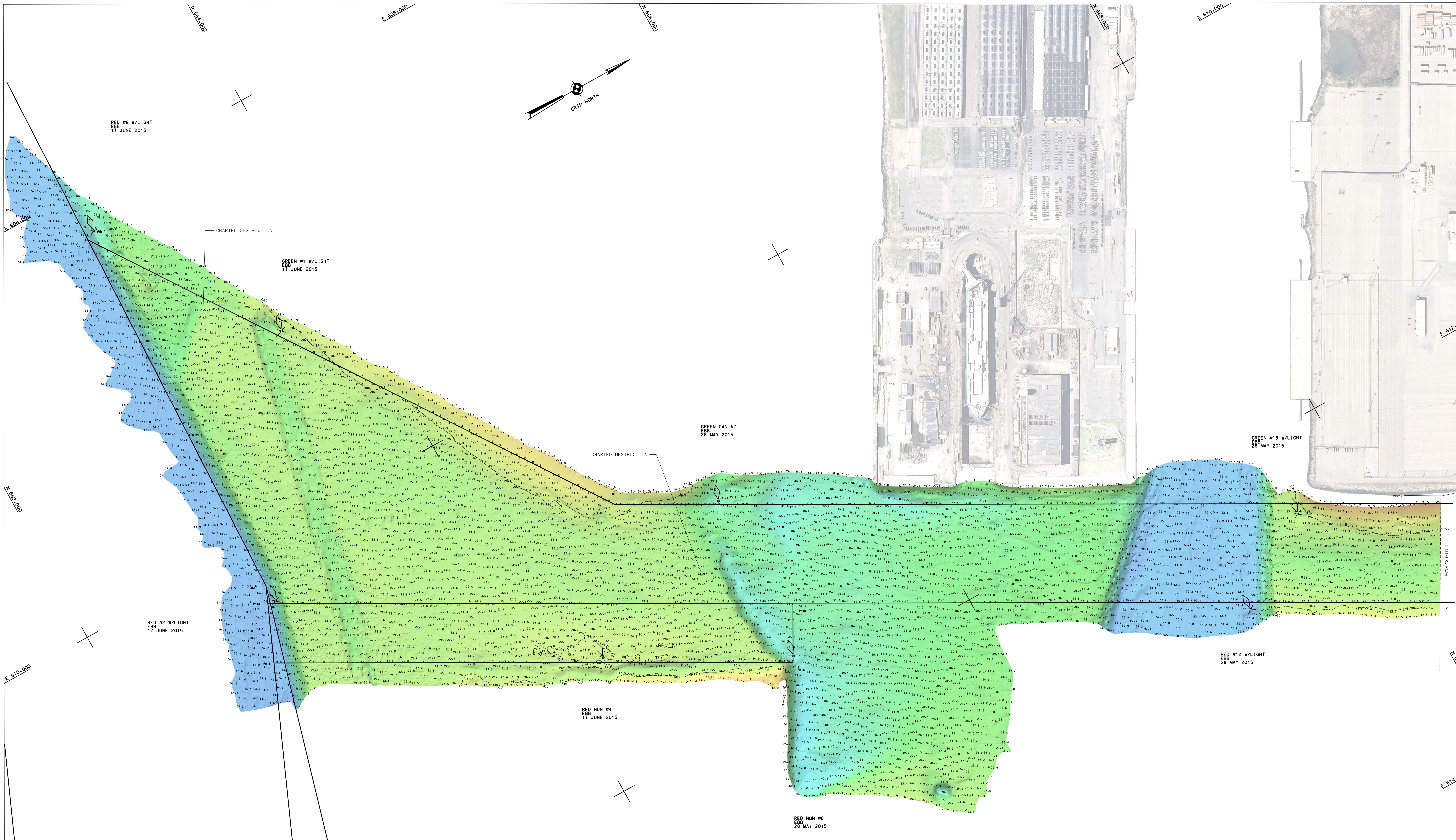


US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

					JS/JE	PR
					JS	MP

DATES OF SURVEY:
21,27,28 MAY, 1,2,8-12,
15 JUNE 2015

FILE NO.: 47
REQUEST NO.: 4342/N1

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

LOCAL CONTROL DATA
BENCHMARK: S. SIMON ELEVATION: 7.30' (NAVD 1988)

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

4342 Metadata

DOUBLE CLICK EDGE OF ICON TO VIEW METADATA.

APPROVED: J. SCHURING — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE — LEAD CARTOGRAPHER
APPROVED: J. MRAZ — DEPUTY CHIEF OF SURVEYS
DATE: 7 JULY 2015

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

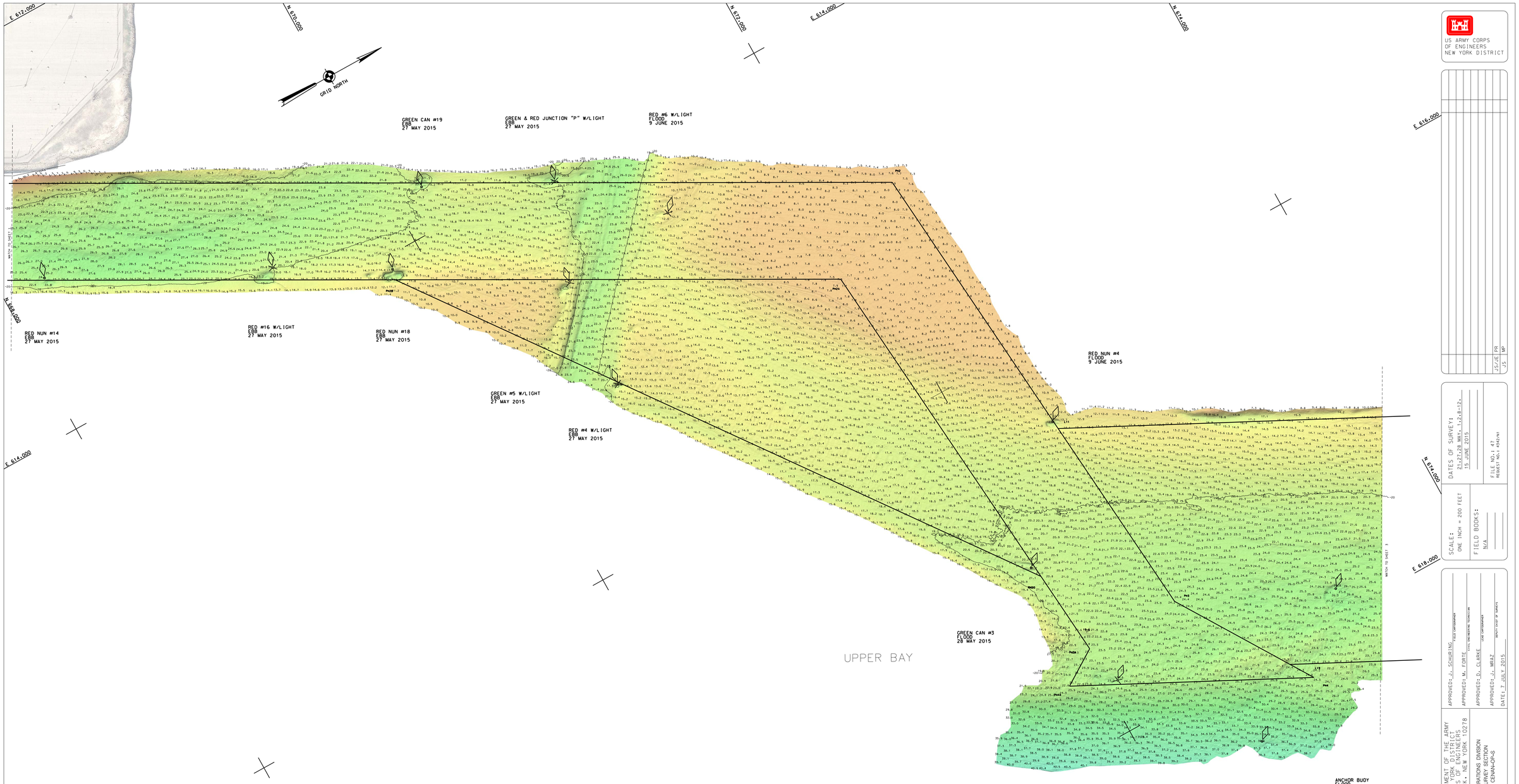
PROJECT SPECIFIC NOTES:

- 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 CLASSIFICATION GENERAL AS SPECIFIED IN EM 1110-2-1003.
- 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. 3.0).
- SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 40' 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 NEW JERSEY GIN (2012)
- THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "RTK SIMON".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

NEW YORK HARBOR
CHANNEL ALONG NJ PIERHEAD LINE
CONDITION SURVEY

VH-101

SHEET 1 OF 4



US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

		JS/AE	PR
		JS	MP

DATES OF SURVEY:
24,27,28 MAY, 1,2,8-12,
15 JUNE 2015

FILE NO.: 47
REQUEST NO.: 4342/N1

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N.A.

APPROVED: J. SCHWERING
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
CADD CARTOGRAPHER

APPROVED: J. MRAZ
SURVEY CHIEF OF SURVEYS

DATE: 7 JUNE 2015

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

OPERATIONS DIVISION
SURVEY SECTION
CEBAN-OP-S

NEW YORK HARBOR

CHANNEL ALONG NJ PIERHEAD LINE

CONDITION SURVEY

VH–102

SHEET 2 OF 4

LOCAL CONTROL DATA
BENCHMARK:S. SIMON ELEVATION:7.30' (NAVD 1988)

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

4342 Metadata

DOUBLE CLICK ICON EDGE
TO VIEW METADATA.

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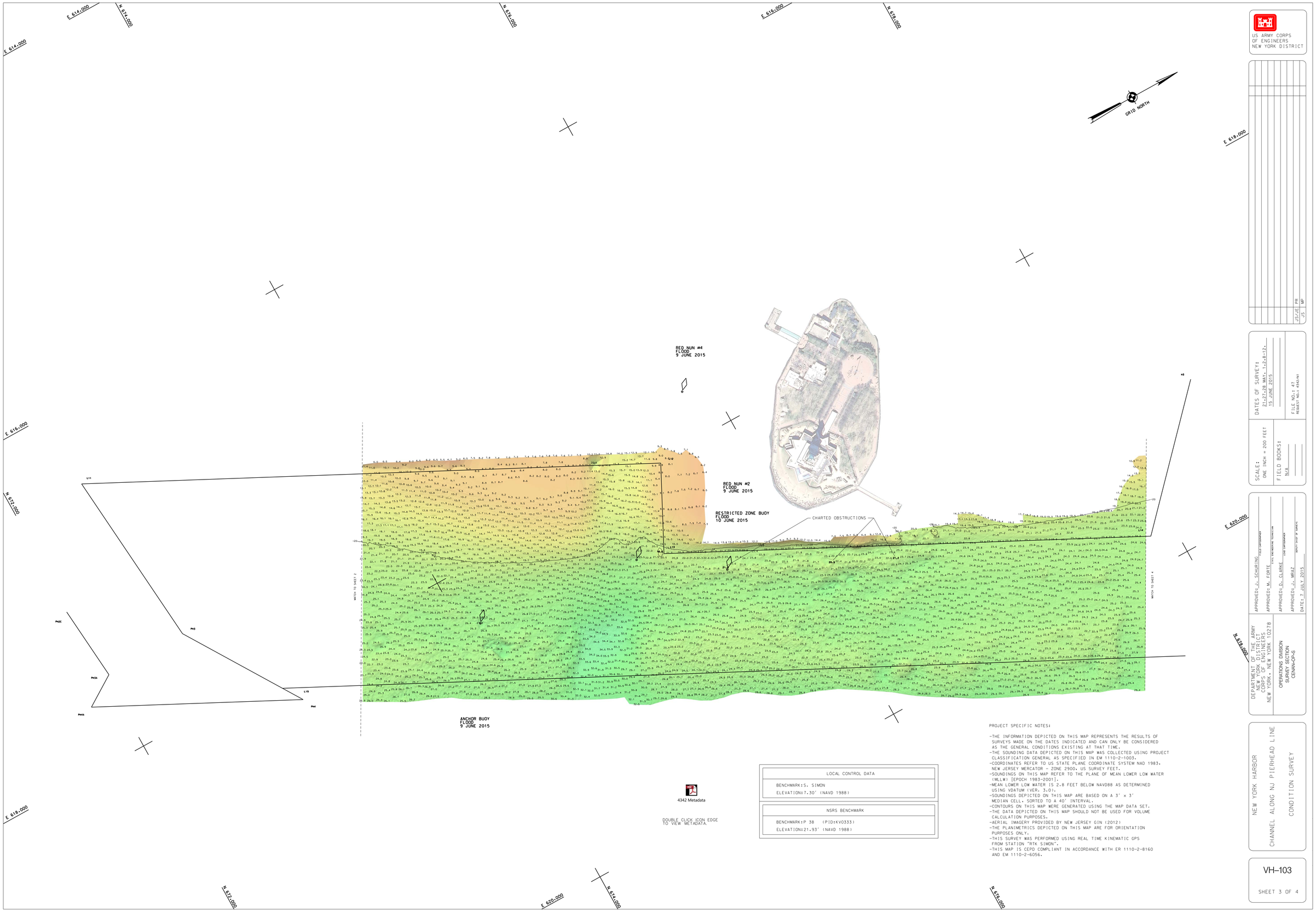

LOCAL CONTROL DATA
BENCHMARK:S. SIMON ELEVATION:7.30' (NAVD 1988)

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

4342 Metadata

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US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

		JS/JE	PR
		JS	MP

DATES OF SURVEY:
21,22,23,28 MAY, 1,2,8-12,
15 JUNE 2015

FILE NO.: 47
REQUEST NO.: 4342/N1

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: J. SCHWIRING — FIELD SUPERVISOR
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE — LEAD SUPERVISOR
APPROVED: J. MRAZ — DEPUTY CHIEF OF SURVEYS
DATE: 7 JULY 2015

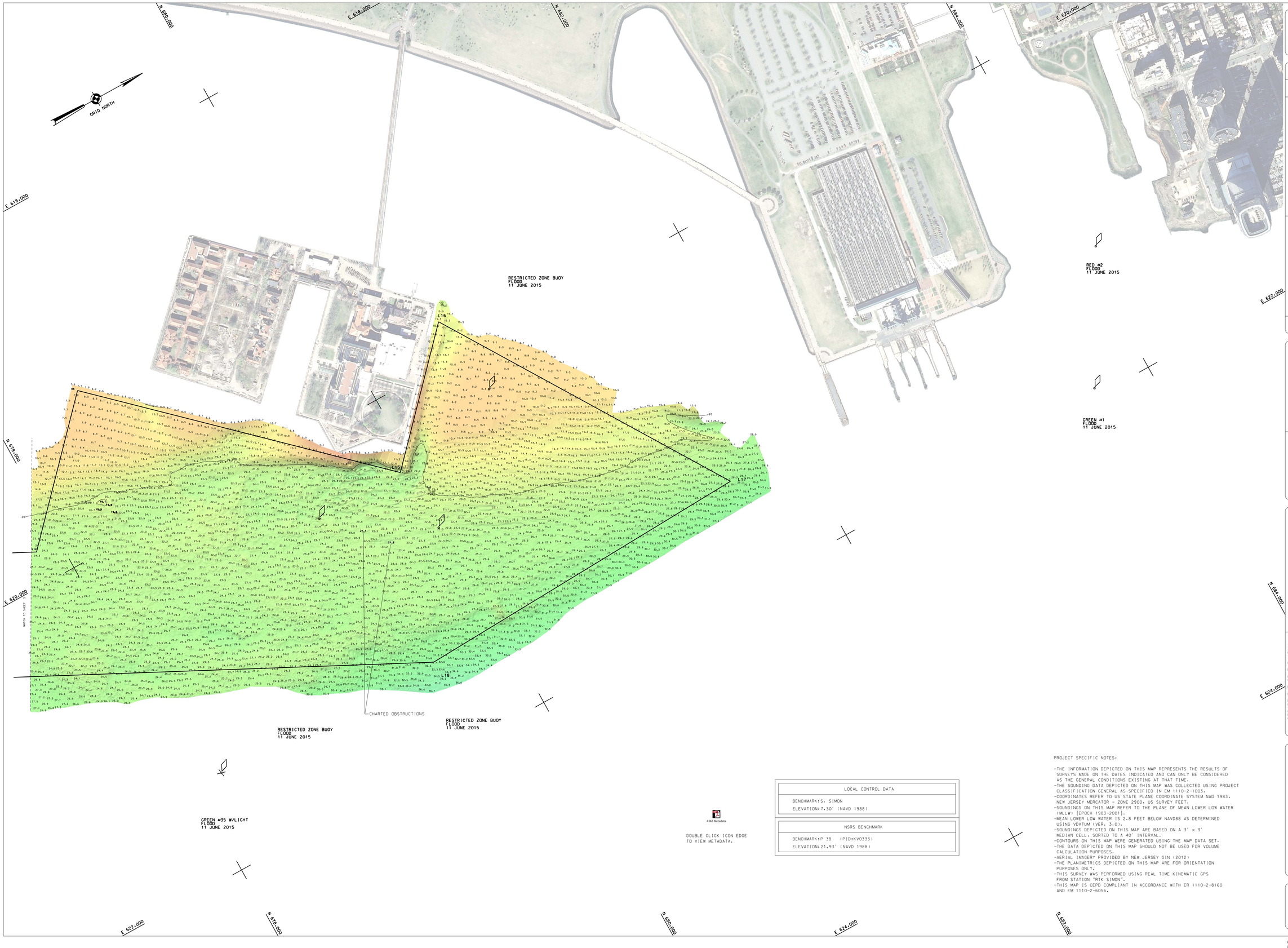
DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK HARBOR
CHANNEL ALONG NJ PIERHEAD LINE
CONDITION SURVEY

VH-103

SHEET 3 OF 4



4342 Metadata

DOUBLE CLICK ICON EDGE TO VIEW METADATA.

LOCAL CONTROL DATA
BENCHMARK:S. SIMON
ELEVATION:7.30' (NAVD 1988)

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BENCHMARK:P 38 (PID:KV0333)
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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

		JS/AE	PR
		JS	MP

DATES OF SURVEY:
24,27,28 MAY, 1,2,8-12, 15 JUNE 2015

FILE NO.: 47
REQUEST NO.: 4342/N1

SCALE:
ONE INCH = 200 FEET

FIELD BOOKS:
N/A

APPROVED: J. SCHURING — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE — CHIEF CARTOGRAPHER
APPROVED: J. MRAZ — SENIOR CHIEF OF SURVEYS
DATE: 7 JULY 2015

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
CHANNEL ALONG NJ PIERHEAD LINE
CONDITION SURVEY

VH-104

SHEET 4 OF 4