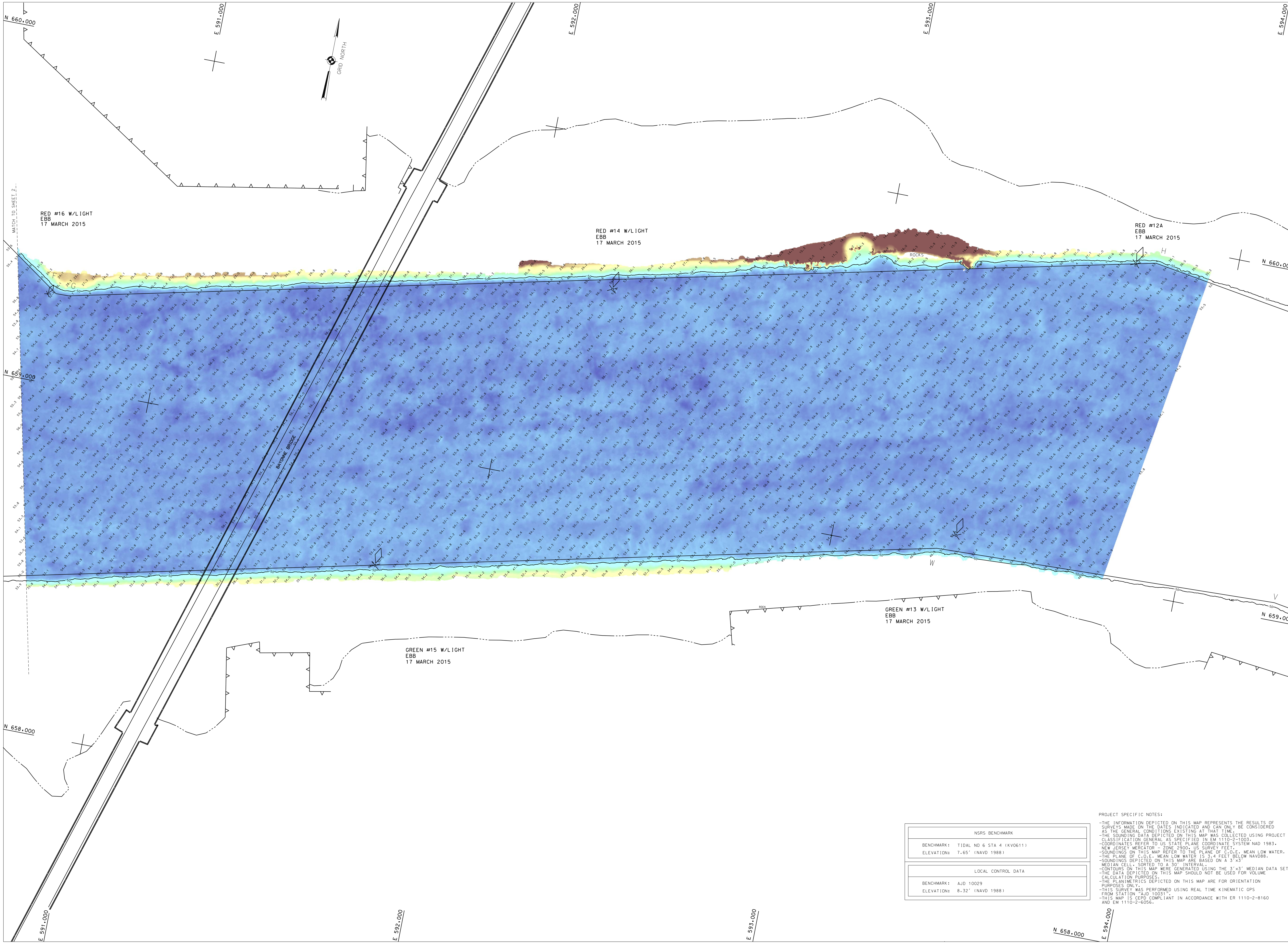
CORPS OF ENGINEERS

U. S. ARMY



US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

PDC PR | PDC MP

DATES OF SURVEY: 16-17 MARCH 2015

FILE NO.: 1374
REQUEST NO.: 4297D

SCALE: ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: D. SMITH — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE — LEAD CARTOGRAPHER
APPROVED: J. MRAZ — DEPUTY CHIEF OF SURVEYS
DATE: 18 MARCH 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 & NEW JERSEY CHANNELS
KILL VAN KULL
BERGEN POINT WEST REACH
CONDITION SURVEY

NSRS BENCHMARK	
BENCHMARK:	TIDAL NO 6 STA 4 (KV0611)
ELEVATION:	7.65' (NAVD 1988)

LOCAL CONTROL DATA	
BENCHMARK:	AJD 10029
ELEVATION:	8.32' (NAVD 1988)

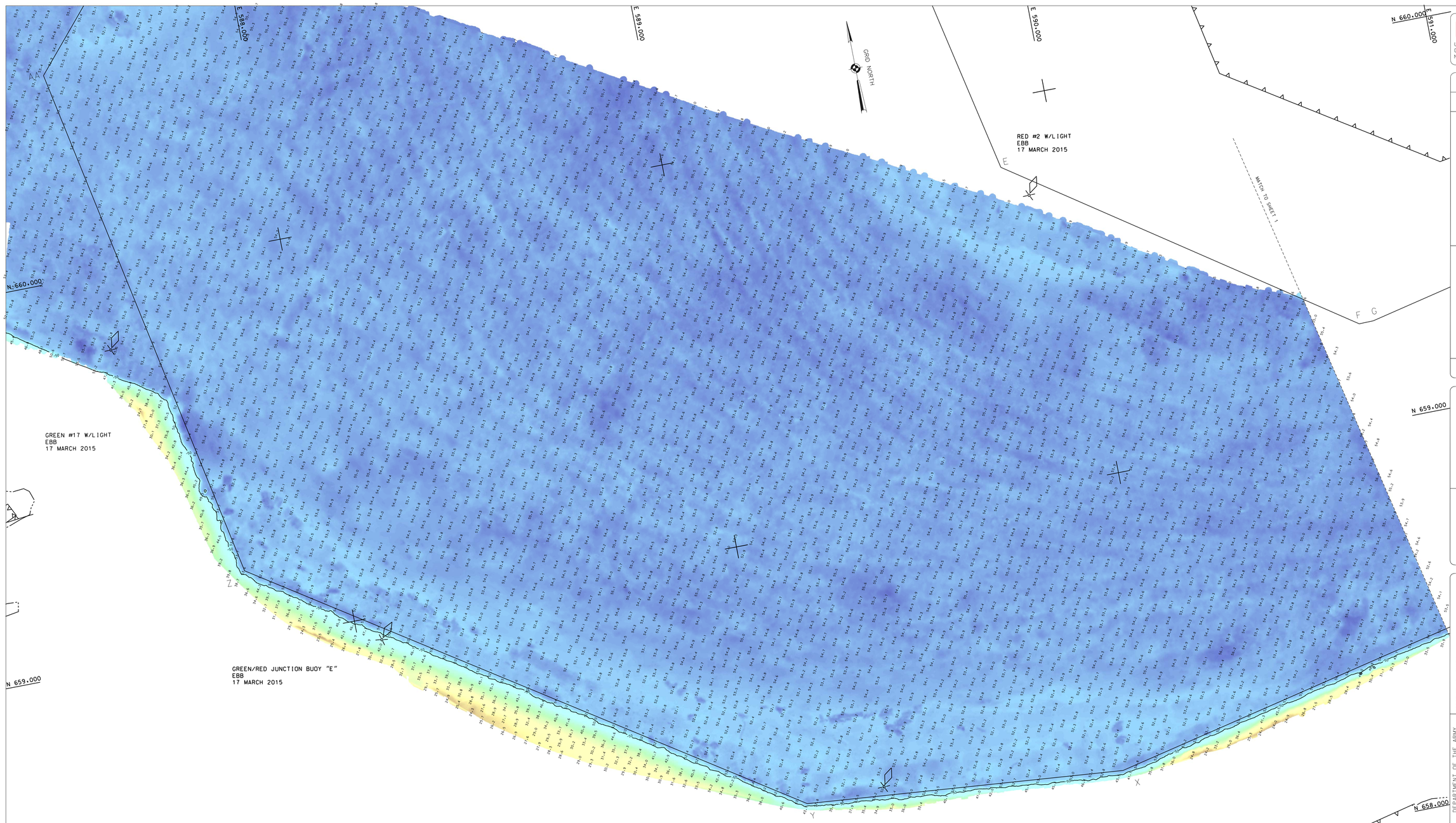
PROJECT SPECIFIC NOTES:

- 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 C.O.E. MEAN LOW WATER.
- THE PLANE OF C.O.E. MEAN LOW WATER IS 3.4 FEET BELOW NAVD88.
- SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3'x3' MEDIAN CELL, SORTED TO A 30' INTERVAL.
- CONTOURS ON THIS MAP WERE GENERATED USING THE 3'x3' MEDIAN DATA SET.
- THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "AJD 10031".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

VH-101

SHEET 1 OF 2

1374
4297D



NSRS BENCHMARK	
BENCHMARK:	TIDAL NO 6 STA 4 (KV0611)
ELEVATION:	7.65' (NAVD 1988)

LOCAL CONTROL DATA	
BENCHMARK:	AJD 10029
ELEVATION:	8.32' (NAVD 1988)

GREEN #17 W/LIGHT
EBB
17 MARCH 2015

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4297-Metadata

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PDC PR
PDC MP

DATES OF SURVEY:
16-17 MARCH 2015

FILE NO.: 1374
REQUEST NO.: 4297D

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: D. SMITH — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE — CHIEF CARTOGRAPHER
APPROVED: J. MRAZ — SURVEY CHIEF OF SURVEYS
DATE: 18 MARCH 2015

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

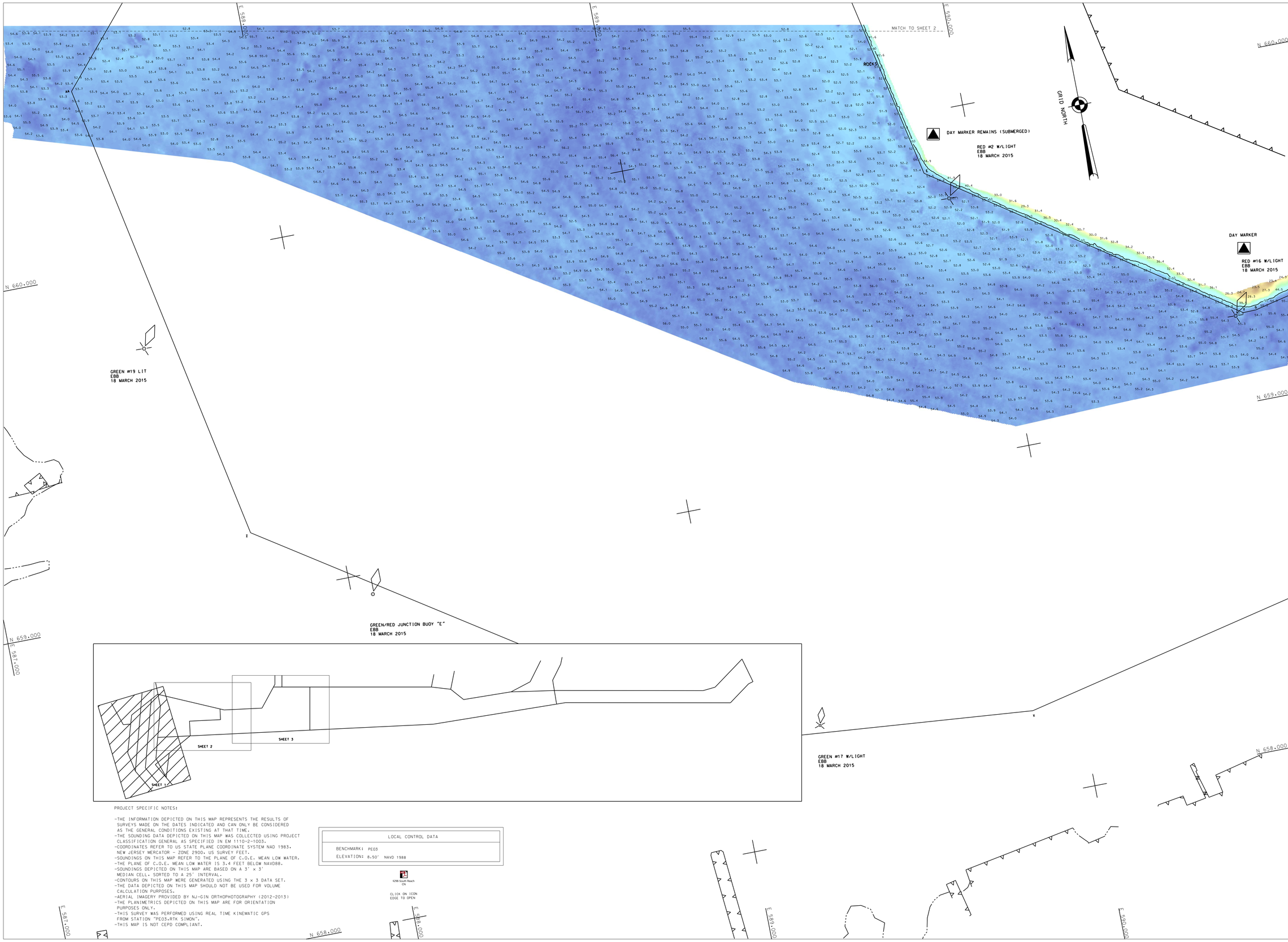
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEW YORK & NEW JERSEY CHANNELS
KILL VAN KULL
BERGEN POINT WEST REACH
CONDITION SURVEY

VH-102

SHEET 2 OF 2

1374
4297D



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- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "PE03.RTK SIMON".
- THIS MAP IS NOT CEPD COMPLIANT.

LOCAL CONTROL DATA	
BENCHMARK:	PE03
ELEVATION:	8.50' NAVD 1988

K2B6-South Reach
ON

CLICK ON ICON
EDGE TO OPEN

US ARMY CORPS
OF ENGINEERS
NEW YORK DISTRICT

PC	RD	PR
		WP

DATES OF SURVEY:
17-18 MARCH 2015

FILE NO.: 951
REQUEST NO.: 4298/O/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
N/A

APPROVED: D. SMITH — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE — LEAD CARTOGRAPHER
APPROVED: J. MRAZ — BRANCH CHIEF OF SURVEY
DATE: 23 MARCH 2015

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

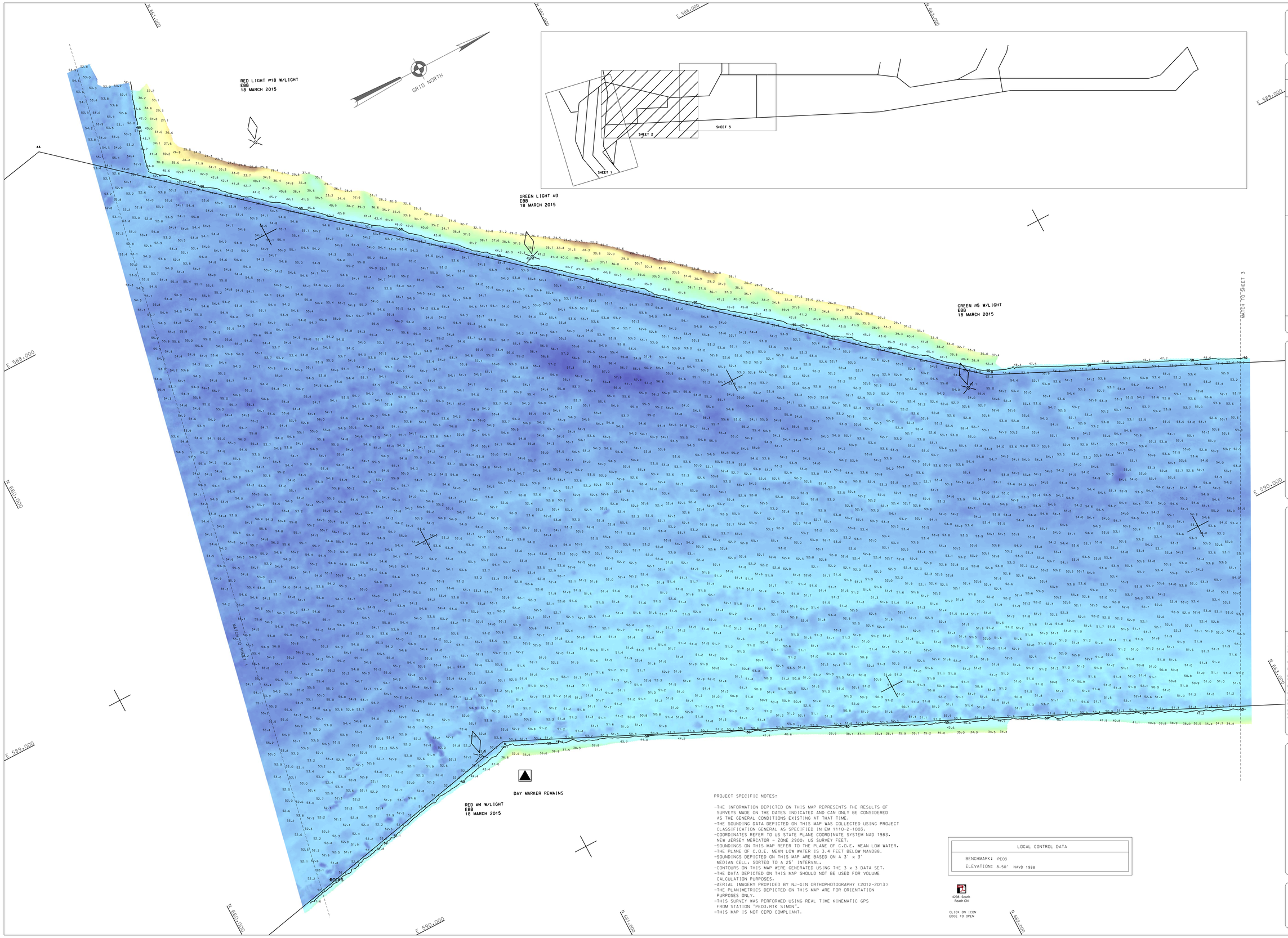
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK & PASSAIC RIVERS
NEW JERSEY

NEWARK BAY MAIN CHANNEL
SOUTH REACH

CONDITION SURVEY

VH-101
SHEET 1 OF 3
(FORMERLY
SHEET 1 OF 9)



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-THIS MAP IS NOT CEPD COMPLIANT.

LOCAL CONTROL DATA	
BENCHMARK:	PE03
ELEVATION:	8.50' NAVD 1988

4298-South Reach CN

CLICK ON ICON EDGE TO OPEN

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

		PR	
		MP	
		FC	
		RD	

DATES OF SURVEY:
17-18 MARCH 2015

FILE NO.: 951
REQUEST NO.: 4298/D/N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
N/A

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APPROVED: D. CLARKE — CHIEF CARTOGRAPHER
APPROVED: J. MRAZ — SURVEY CHIEF OF PARTY
DATE: 23 MARCH 2015

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
NEW JERSEY

NEWARK BAY MAIN CHANNEL
SOUTH REACH

CONDITION SURVEY

VH-102

SHEET 2 OF 3
(FORMERLY
SHEET 2 OF 9)

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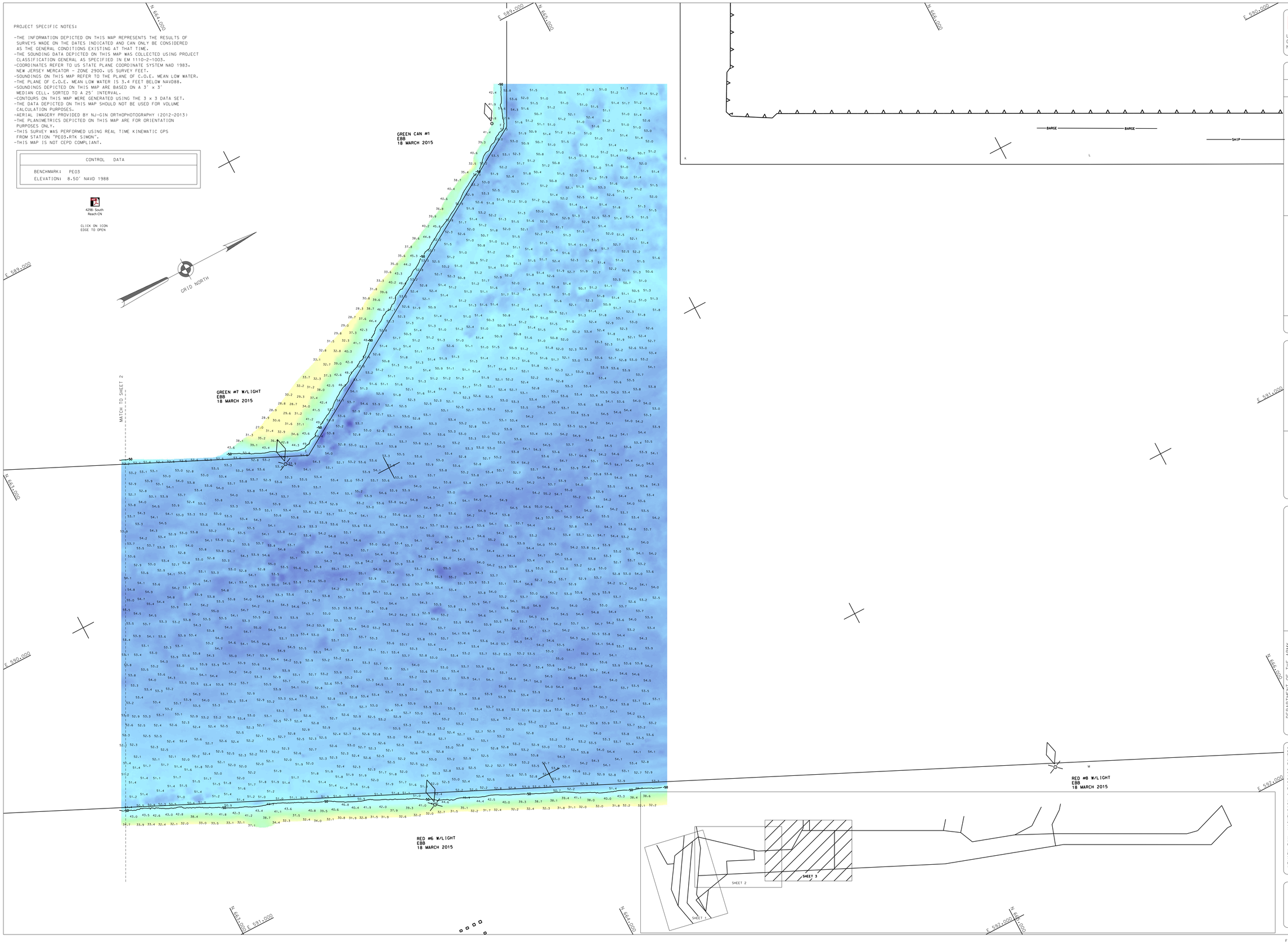
CONTROL DATA
BENCHMARK: PE03
ELEVATION: 8.50' NAVD 1988

4298-South Reach.CN

CLICK ON ICON EDGE TO OPEN



US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

PC	PR
RD	MP

DATES OF SURVEY: 17-18 MARCH 2015

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CENAN-OP-S

NEWARK BAY, HACKENSACK & PASSAIC RIVERS
NEW JERSEY

NEWARK BAY MAIN CHANNEL
SOUTH REACH

CONDITION SURVEY

VH-103
SHEET 3 OF 3
(FORMERLY SHEET 3 OF 9)

FILE NO.: 951
REQUEST NO.: 4298/D/N2