CORPS OF ENGINEERS

U. S. ARMY

E 556,000

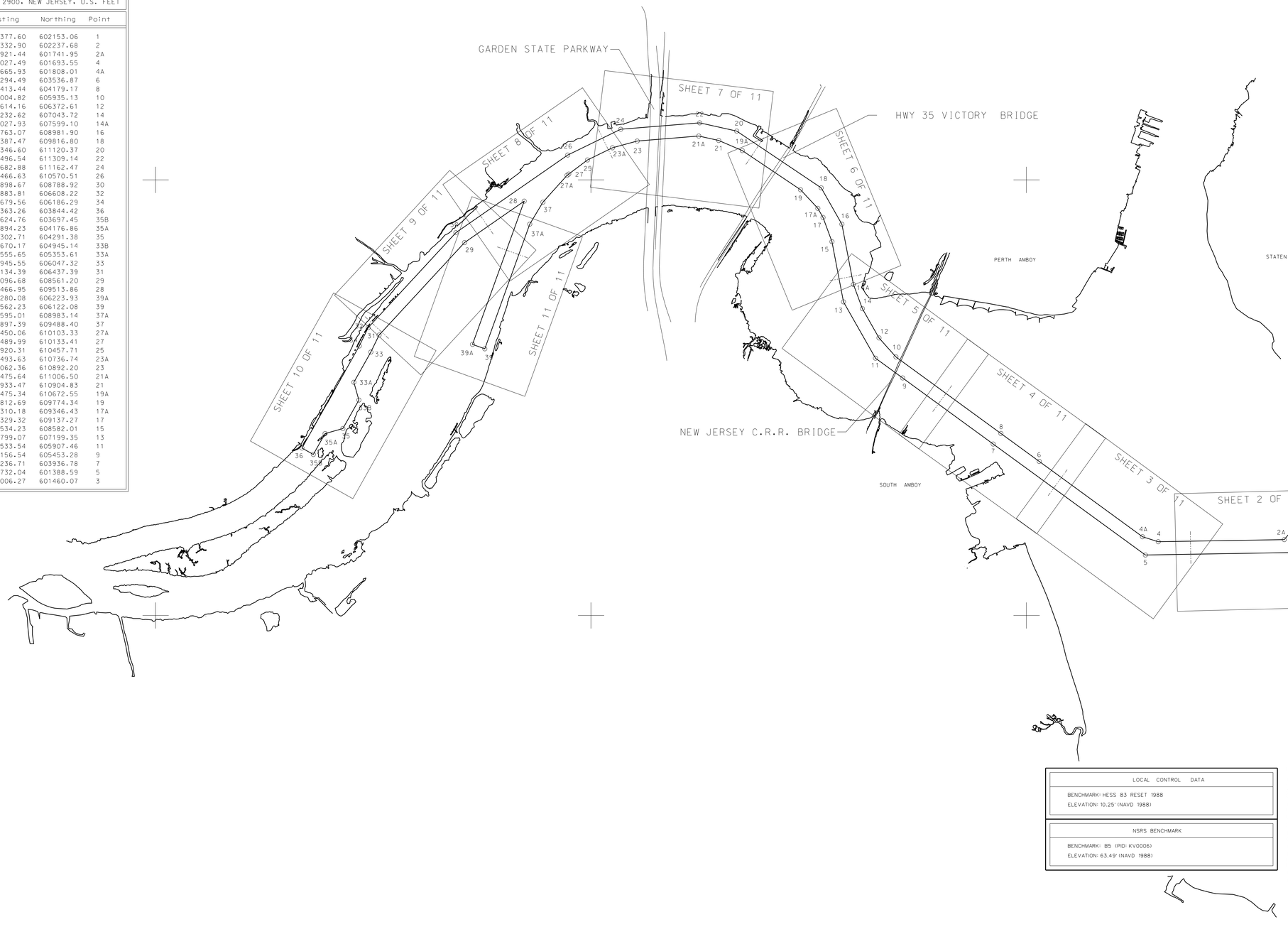
E 546,000

E 566,000

N 610,000

N 600,000

TABULATION OF CHANNEL COORDINATES U.S. STATE PLANE, NAD 83. ZONE 2900, NEW JERSEY, U.S. FEET		
Easting	Northing	Point
562377.60	602153.06	1
562332.90	602237.68	2
561921.44	601741.95	2A
559027.49	601693.55	4
558665.93	601808.01	4A
556294.49	603536.87	6
555413.44	604179.17	8
553004.82	605935.13	10
552614.16	606372.61	12
552232.62	607043.72	14
552027.93	607599.10	14A
551763.07	608981.90	16
551387.47	609816.80	18
549346.60	611120.37	20
548496.54	611309.14	22
546682.88	611162.47	24
545466.63	610570.51	26
542898.67	608788.92	30
540883.81	606608.22	32
540679.56	606186.29	34
539363.26	603844.42	36
539624.76	603697.45	35B
539894.23	604176.86	35A
540302.71	604291.38	35
540670.17	604945.14	33B
540555.65	605353.61	33A
540945.55	606047.32	33
541134.39	606437.39	31
543096.68	608561.20	29
544466.95	609513.86	28
543280.08	606223.93	39A
543562.23	606122.08	39
544595.01	608983.14	37A
544897.39	609488.40	37
545450.06	610103.33	27A
545489.99	610133.41	27
545920.31	610457.71	25
546493.63	610736.74	23A
547062.36	610892.20	23
548475.64	611006.50	21A
548933.47	610904.83	21
549475.34	610672.55	19A
550812.69	609774.34	19
551310.18	609346.43	17A
551329.32	609137.27	17
551534.23	608582.01	15
551799.07	607199.35	13
552533.54	605907.46	11
553156.54	605453.28	9
555236.71	603936.78	7
558732.04	601388.59	5
563006.27	601460.07	3



LOCAL CONTROL DATA
BENCHMARK: HESS 83 RESET 1988
ELEVATION: 10.25' (NAVD 1988)

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

NOTE:

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED THE GENERAL CONDITIONS EXISTING AT THAT TIME.

THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.

COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983).

SOUNDINGS REFER TO THE PLANE OF MEAN LOWER LOW WATER.

THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM (NTDE 1983-2001).

THE PLANE OF MEAN LOWER LOW WATER IS 2.9 TO 3.0 FEET BELOW NAVD 1988.

THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICTION-GENERAL, AS DEPICTED IN THE EM 1110-2-1003.

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

THIS SURVEY WAS PERFORMED USING RTK GPS FROM STATION BAZAARO HESS.

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

DATES OF SURVEY:
25-26 JUNE 2012
23-24 JULY 2012
25-26 JULY 2012

SCALE: ONE INCH = 1000 FEET

FIELD BOOKS: 15438

FILE NO.: 520
REQUEST NO.: 3844N1N2

APPROVED: S. RYSHKEWITCH
CHIEF, SURVEY SECTION

APPROVED: M. FORTE
CHIEF, ENGINEERING SECTION

APPROVED: D. CLARKE
CHIEF, CARTOGRAPHIC

APPROVED: F. POSTIGLIONE
CHIEF, OF SURVEYS

DATE: 8 AUGUST 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

RARITAN RIVER
NEW JERSEY
CONDITION SURVEY

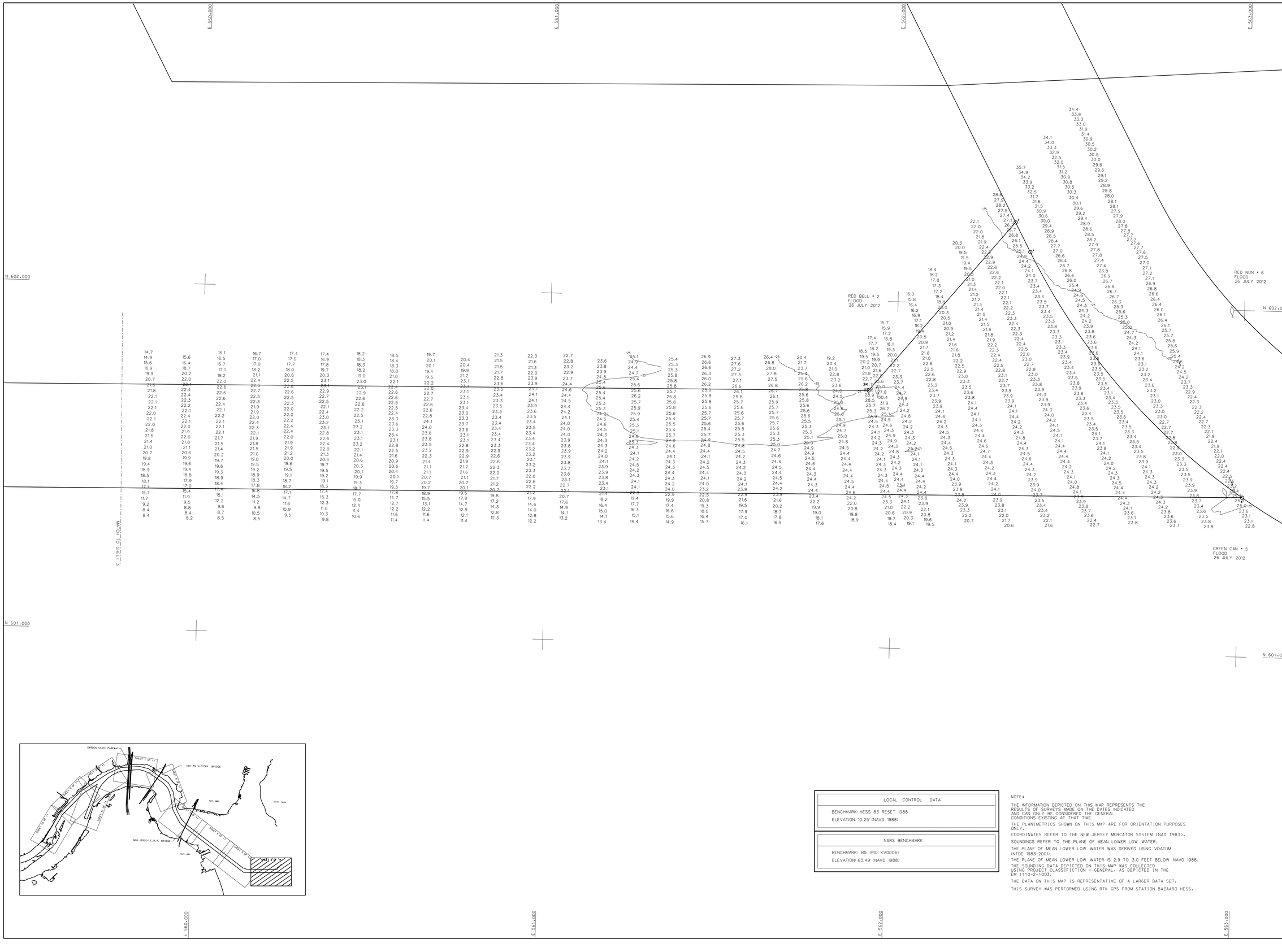
VH-101

SHEET 1 OF 11

520
3844N1N2

CORPS OF ENGINEERS

U. S. ARMY



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ELEVATION: 10.25' (NAVD 1988)

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BENCHMARK: B5 (PID: KV0006)
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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
19,20 JUNE 2012
25,26 JULY 2012

FILE NO.: 520
REQUEST NO.: 3844N1N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
14258

APPROVED: S. RYSHKEWITCH
CHIEF OF CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LEAD CARTOGRAPHER

APPROVED: F. POSTIGLIONE
CHIEF OF SURVEYS

DATE: 8 AUGUST 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

RARITAN RIVER
NEW JERSEY
CONDITION SURVEY

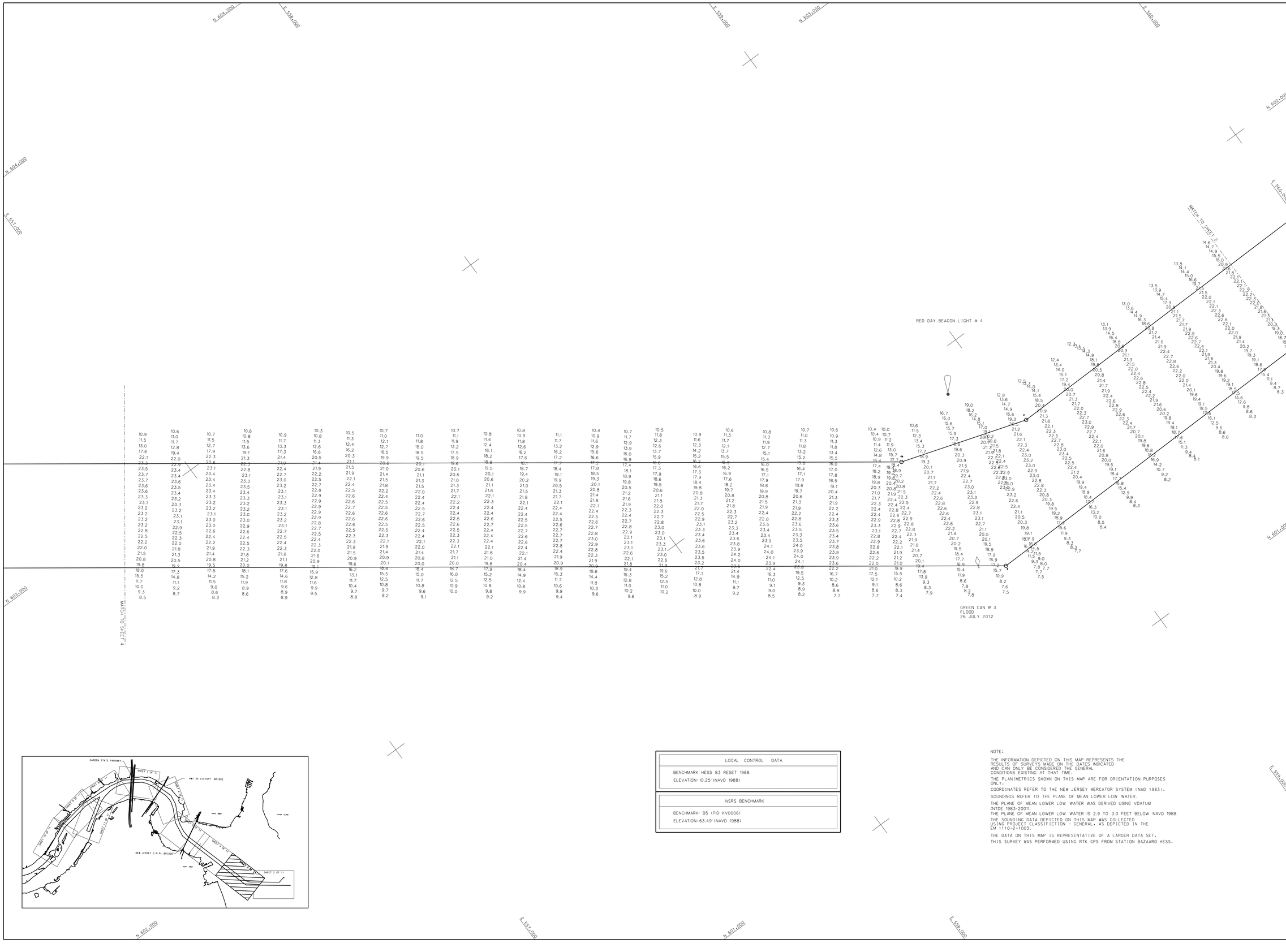
VH-102

SHEET 2 OF 11

520
3844N1N2

CORPS OF ENGINEERS

U. S. ARMY



LOCAL CONTROL DATA
BENCHMARK: HESS 83 RESET 1988 ELEVATION: 10.25' (NAVD 1988)

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

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
19,20 JUNE 2012
25,26 JULY 2012

FILE NO.: 520
REQUEST NO.: 3844N1N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
14258

APPROVED: S. RYSHKEWITCH, CHIEF, CARTOGRAPHER
APPROVED: M. FORTE, CHIEF, ENGINEERING TECHNICIAN
APPROVED: D. CLARKE, LEAD CARTOGRAPHER
APPROVED: F. POSTIGLIONE, CHIEF OF SURVEYS
DATE: 8 AUGUST 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

RARITAN RIVER
NEW JERSEY
CONDITION SURVEY

VH-103

SHEET 3 OF 11

520
3844N1N2

LOCAL CONTROL DATA
BENCHMARK: HESS 83 RESET 1988
ELEVATION: 10.25' (NAVD 1988)

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

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THIS SURVEY WAS PERFORMED USING RTK GPS FROM STATION BAZAARO HESS.

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

DATES OF SURVEY: 19,20 JUNE 2012; 25,26 JULY 2012

FILE NO.: 520
REQUEST NO.: 3844N1N2

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: 14258

APPROVED: S. RYSHKEWITCH, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE, LEAD CARTOGRAPHER
APPROVED: F. POSTIGLIONE, CHIEF OF SURVEYS
DATE: 8 AUGUST 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

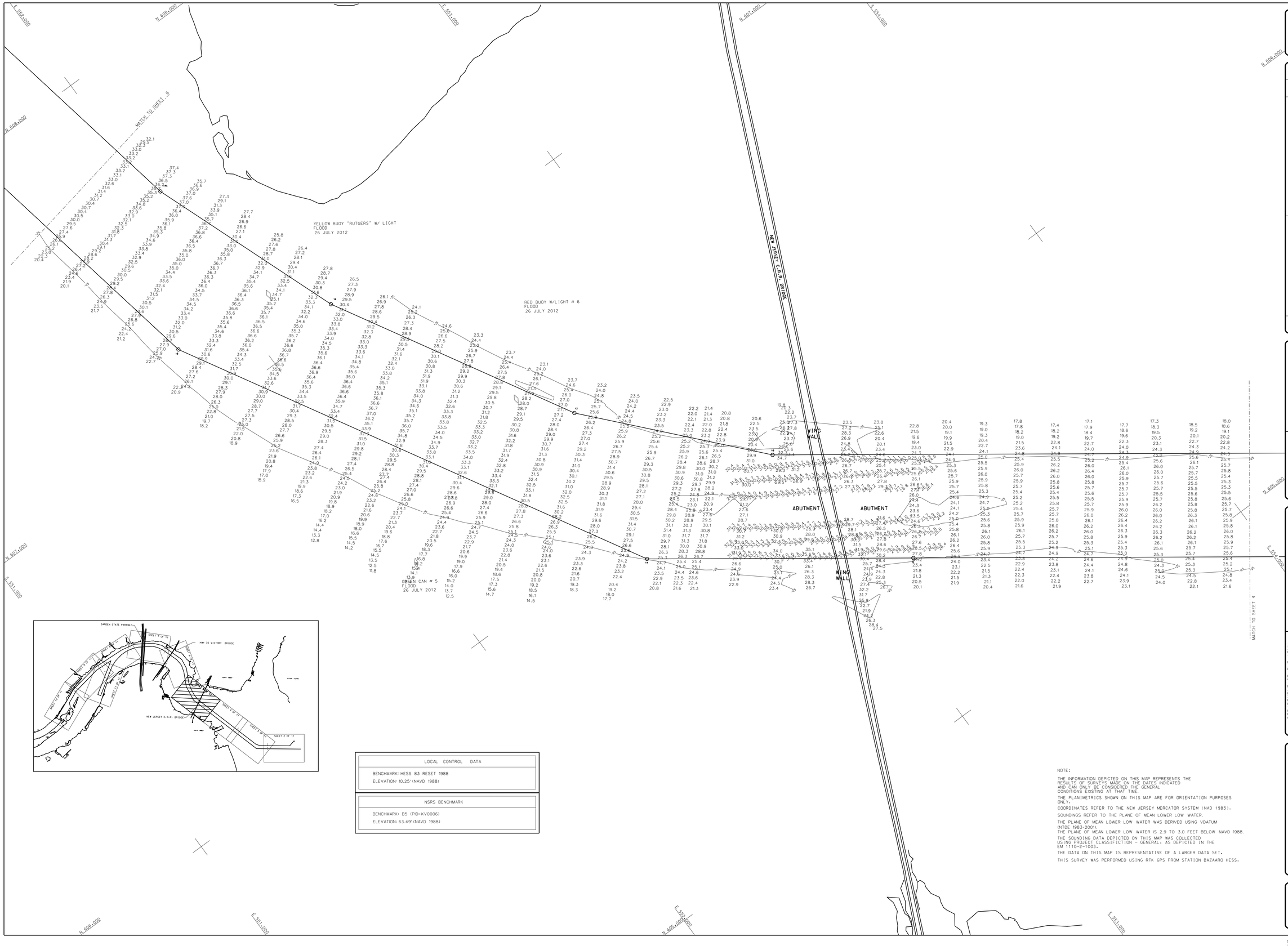
RARITAN RIVER
NEW JERSEY
CONDITION SURVEY

VH-104

520
3844N1N2

CORPS OF ENGINEERS

U. S. ARMY



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

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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
19-20 JUNE 2012
25-26 JULY 2012
FILE NO.: 520
REQUEST NO.: 3844N1N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
14258

APPROVED: S. RYSHKEWITCH
CHIEF, OPERATIONS DIVISION
APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE
LEAD CARTOGRAPHER
APPROVED: F. POSTIGLIONE
CHIEF OF SURVEYS
DATE: 8 AUGUST 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

RARITAN RIVER
NEW JERSEY
CONDITION SURVEY

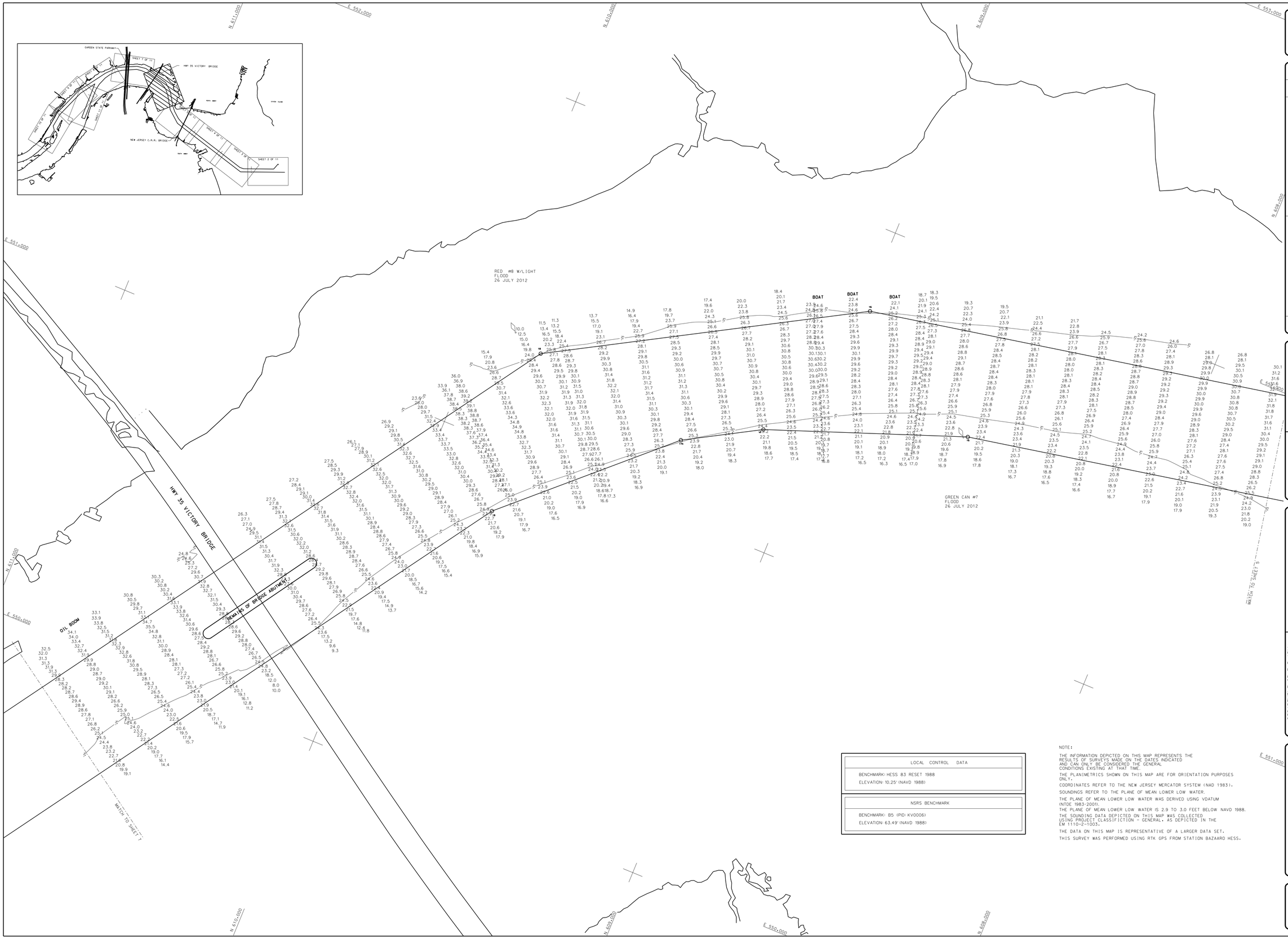
VH-105

SHEET 5 OF 11

520
3844N1N2

CORPS OF ENGINEERS

U. S. ARMY



LOCAL CONTROL DATA
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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
19-20 JUNE 2012
25-26 JULY 2012
FILE NO.: 520
REQUEST NO.: 3844N1N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
14258

APPROVED: S. RYSHKEWITCH
FIELD CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LEAD CARTOGRAPHER

APPROVED: F. POSTIGLIONE
CHIEF OF SURVEYS

DATE: 8 AUGUST 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

RARITAN RIVER
NEW JERSEY
CONDITION SURVEY

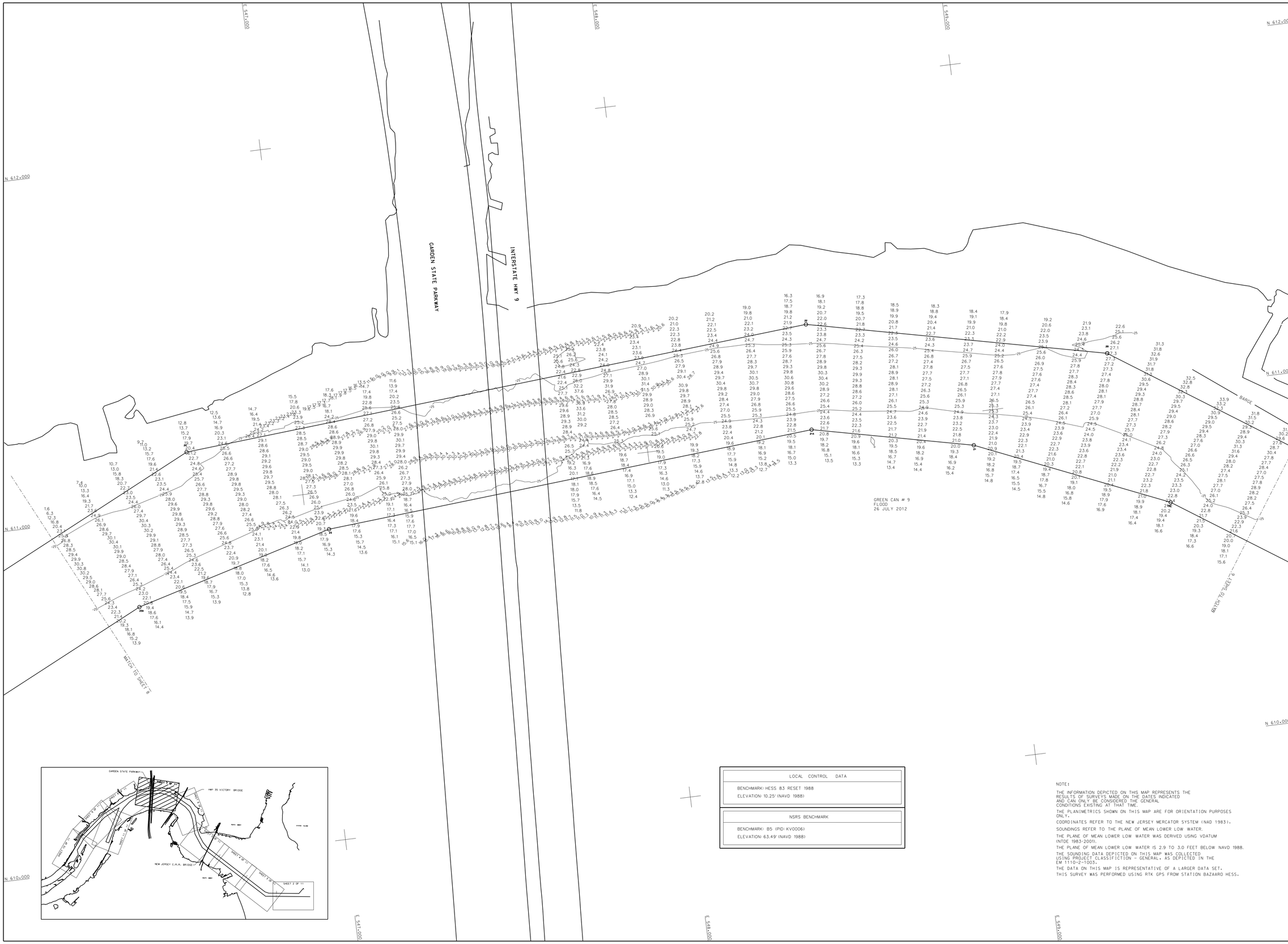
VH-106

SHEET 6 OF 11

520
3844N1N2

CORPS OF ENGINEERS

U. S. ARMY



LOCAL CONTROL DATA
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US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

DATES OF SURVEY: 19,20 JUNE 2012 25,26 JULY 2012

FILE NO.: 520 REQUEST NO.: 3844N1N2

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: 14258

APPROVED: S. RYSHKEWITCH — CHIEF, CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: D. CLARKE — LEAD CARTOGRAPHER
APPROVED: F. POSTIGLIONE — CHIEF OF SURVEYS
DATE: 8 AUGUST 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

RARITAN RIVER
NEW JERSEY
CONDITION SURVEY

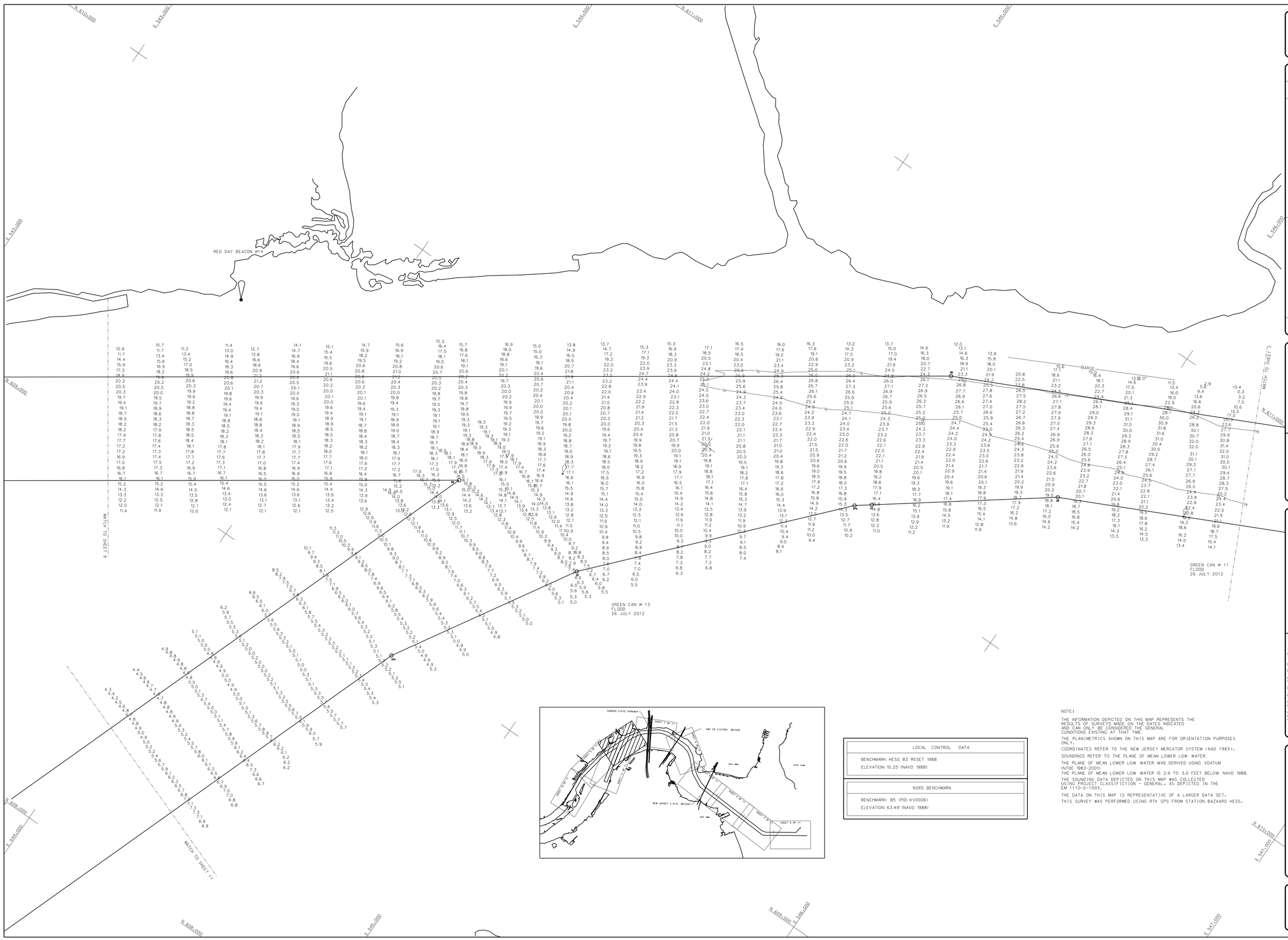
VH-107

SHEET 7 OF 11

520
3844N1N2

CORPS OF ENGINEERS

U. S. ARMY



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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
11-20 JUNE 2012
25-26 JULY 2012

F.I.E. NO.: 520
REQUEST NO.1 3844N1N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
14258

APPROVED: S. RYSHKEWITCH
CHIEF, ENGINEERING DIVISION

APPROVED: M. FORTE
CHIEF, ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
CHIEF, HYDROGRAPHIC SURVEY UNIT

APPROVED: F. POSTIGLIONE
CHIEF OF SURVEY

DATE: 8 AUGUST 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-HS

RARITAN RIVER
NEW JERSEY

CONDITION SURVEY

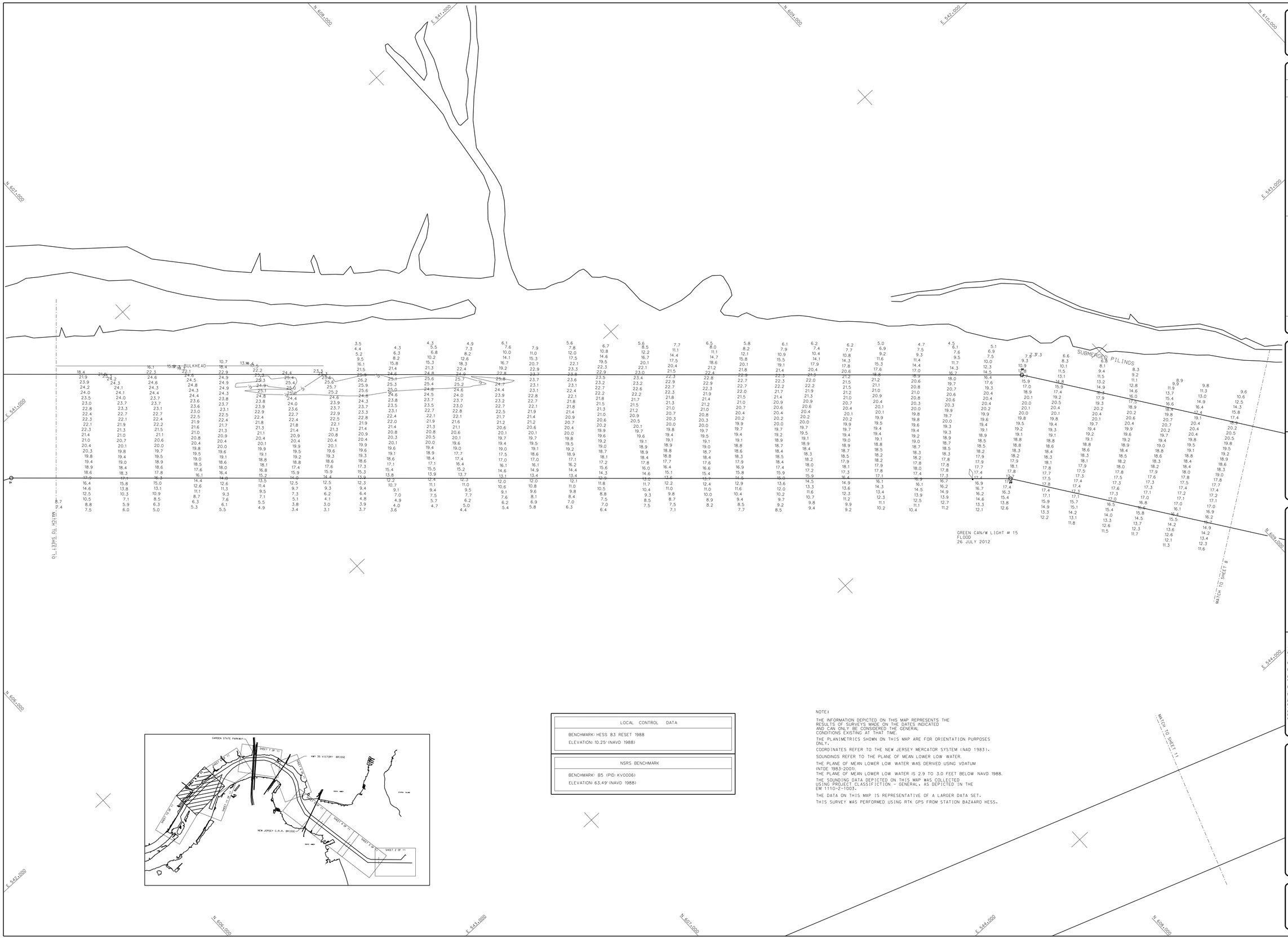
VH-108

SHEET 08 OF 11

520
3844N1N2

CORPS OF ENGINEERS

U. S. ARMY



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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
19-20 JUNE 2012
25-26 JULY 2012

FILE NO.: 520
REQUEST NO.: 3844N1N2

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
14258

APPROVED: S. RYSHKEWITCH
CHIEF CARTOGRAPHER

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LEAD CARTOGRAPHER

APPROVED: F. POSTIGLIONE
CHIEF OF SURVEY

DATE: 8 AUGUST 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

RARITAN RIVER
NEW JERSEY
CONDITION SURVEY

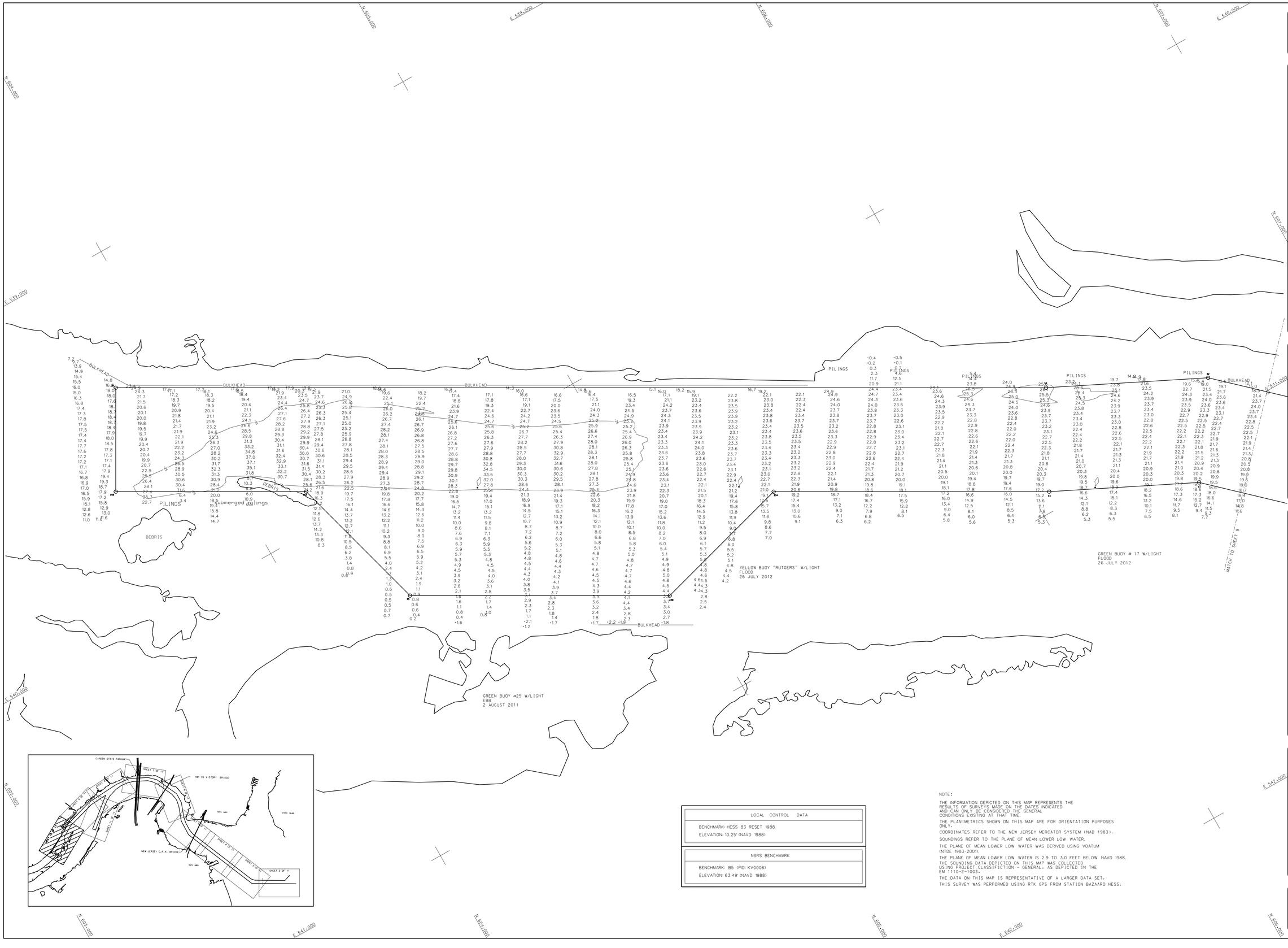
VH-109

SHEET 09 OF 11

520
3844N1N2

CORPS OF ENGINEERS

U. S. ARMY



LOCAL CONTROL DATA
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US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

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19,20 JUNE 2012
25,26 JULY 2012

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CHIEF CARTOGRAPHER

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CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LEAD CARTOGRAPHER

APPROVED: F. POSTIGLIONE
CHIEF OF SURVEY

DATE: 8 AUGUST 2012

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

RARITAN RIVER
NEW JERSEY
CONDITION SURVEY

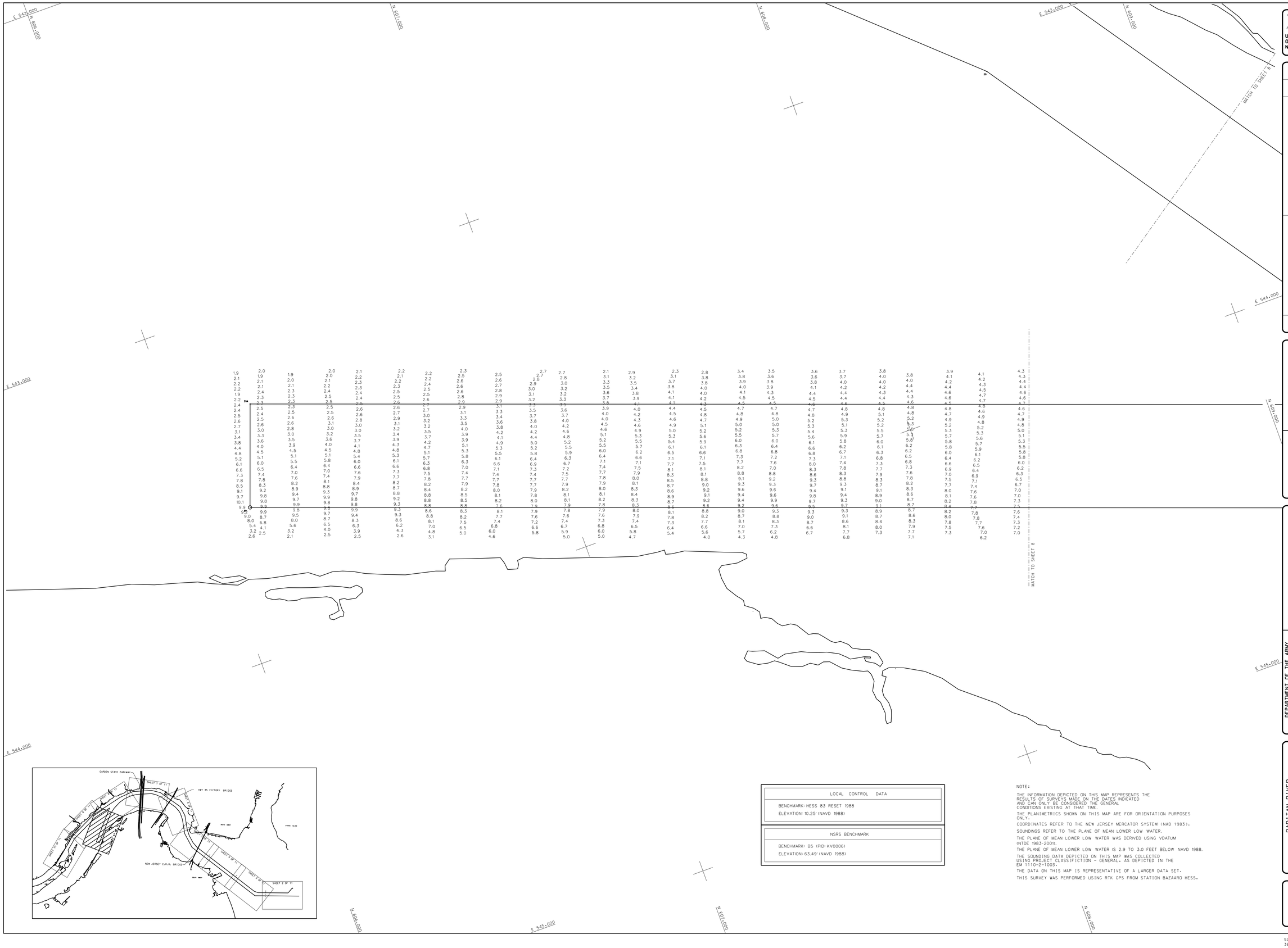
VH-110

SHEET 10 OF 11

520
3844N1N2

CORPS OF ENGINEERS

U. S. ARMY



LOCAL CONTROL DATA
BENCHMARK: HESS 83 RESET 1988
ELEVATION: 10.25' (NAVD 1988)

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

NOTE:

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED THE GENERAL CONDITIONS EXISTING AT THAT TIME.

THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.

COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983).

SOUNDINGS REFER TO THE PLANE OF MEAN LOWER LOW WATER.

THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM (NTDE 1983-2001).

THE PLANE OF MEAN LOWER LOW WATER IS 2.9 TO 3.0 FEET BELOW NAVD 1988.

THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICTION - GENERAL, AS DEPICTED IN THE EM 1110-2-1003.

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

THIS SURVEY WAS PERFORMED USING RTK GPS FROM STATION BAZAARD HESS.

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

DATES OF SURVEY: 19-20 JUNE 2012 25-26 JULY 2012

FILE NO.: 520 REQUEST NO.: 3844N1N2

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: 14258

APPROVED: S. RYSHKEWITCH — FIELD CARTOGRAPHER

APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE — LEAD CARTOGRAPHER

APPROVED: F. POSTIGLIONE — CHIEF OF SURVEY

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