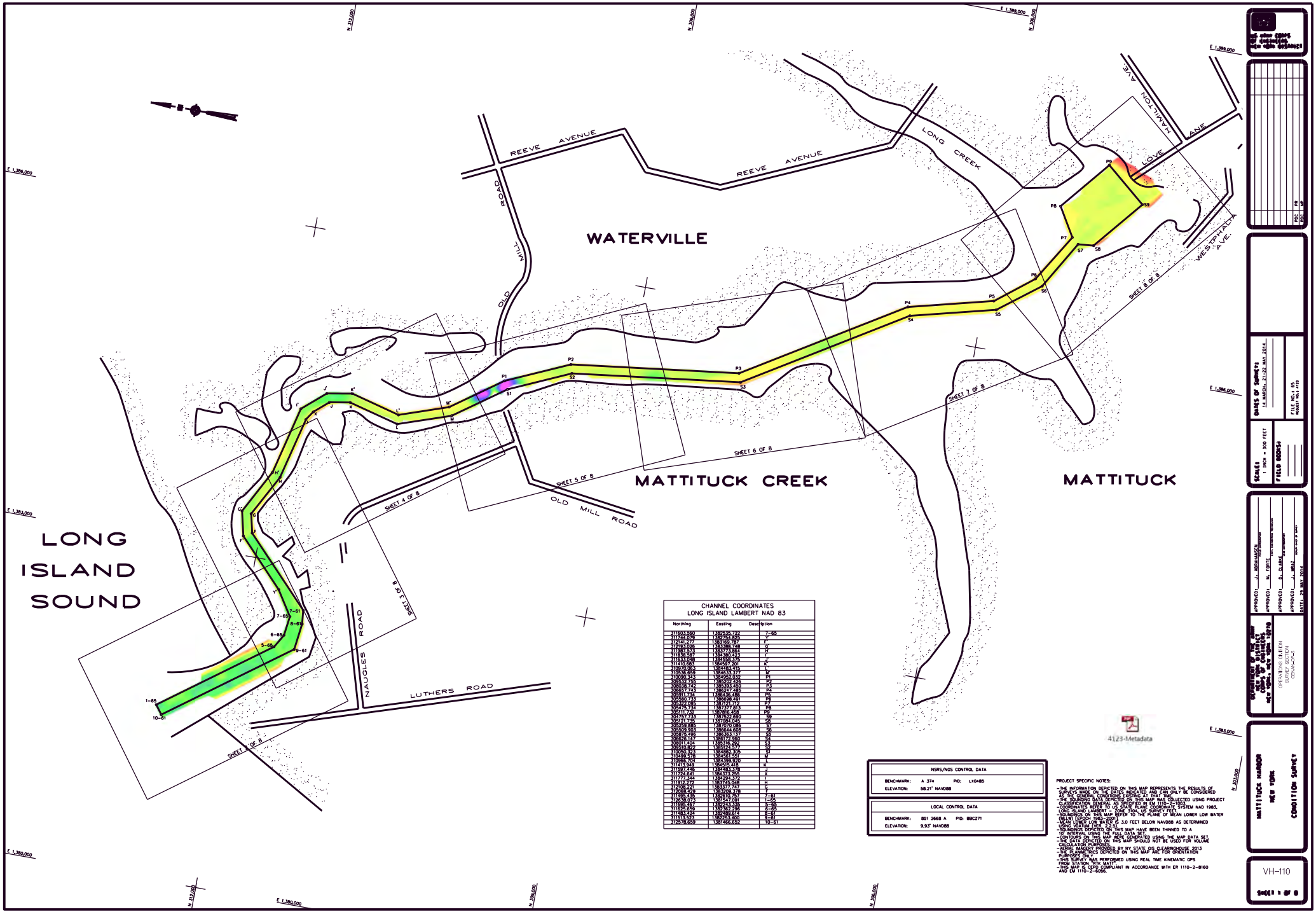


CHANNEL COORDINATES
LONG ISLAND LAMBERT NAD 83

Northing	Easting	Description
311603.560	1382535.722	7-65
311744.079	1382734.890	V
312141.977	1383169.787	P
312134.095	1383398.148	O
311987.573	1383723.864	N
311838.987	1383980.722	L
311613.048	1384658.375	J
311470.083	1384997.200	K
310970.063	1384483.415	L
310638.659	1384333.977	M
310090.943	1384507.932	P1
309374.725	1384902.525	P2
308308.742	1385933.450	P3
308027.723	1386727.880	P4
308081.734	1386736.488	P5
308180.133	1386918.491	P6
308224.095	1387177.813	P7
308174.734	1387177.813	P8
308111.72	1387618.488	P9
307797.733	1387922.000	S9
308113.885	1387084.000	S8
308158.833	1386720.085	S7
308224.136	1386723.137	S6
308224.137	1386723.137	S5
308111.104	1386716.960	S4
308110.964	1386713.177	S3
308080.965	1386690.105	S2
308080.976	1386621.400	S1
310966.700	1384398.930	J
311213.949	1384015.618	K
311597.436	1384483.178	L
311734.641	1384791.350	X
311737.944	1384794.172	I
311937.972	1384734.668	H
312108.911	1383197.747	G
312068.470	1383006.378	F
311685.436	1382610.767	7-61
311638.033	1382647.081	1-65
311685.487	1382643.135	5-65
311835.859	1382642.296	6-65
311483.424	1382488.814	8-61
311311.923	1382483.400	9-61
311278.659	1381466.662	10-61

NSRS/NGS CONTROL DATA

BENCHMARK:	A 374	PID:	LX0485
ELEVATION:	58.21' NAVD88		

LOCAL CONTROL DATA

BENCHMARK:	851 2668 A	PID:	BBCZ71
ELEVATION:	9.93' NAVD88		

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 SENDER LOOKING NORTH WAS 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, LONG ISLAND LAMBERT ZONE, SIGN. OF SURVEY FEET.
- GEOMETRIC DATUM MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) EPOCH 1983-2001.
- MEAN LOWER LOW WATER IS 3.0 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 2.2.4).
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN THINNED TO A 10' INTERVAL USING THE FULL DATA SET.
- CONTOURS ON THIS MAP WERE GENERATED USING THE MAP DATA SET (THINNED SOUNDINGS). THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- AERIAL IMAGERY PROVIDED BY NY STATE GIS CLEARINGHOUSE 2013
- THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM LUTHER'S ROAD MAST.
- THIS SURVEY IS CERTIFICATION COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

DATES OF SURVEYS
18 MARCH, 21-22 MAY 2014

FILE NO.: 65
REQUEST NO.: 4123

SCALE: 1 INCH = 300 FEET

FIELD BOOK: 94

APPROVED: J. ABRAHAMSEN
CHIEF, HYDROGRAPHIC SURVEY BRANCH

APPROVED: M. FORTE
CHIEF, HYDROGRAPHIC TECHNICIAN

APPROVED: D. CLARKE
CHIEF, HYDROGRAPHIC SURVEY SECTION

APPROVED: J. MRAZ
CHIEF, SURVEY DIV. & SUPPORT

DATE: 23 MAY 2014

ELEVATION OF THE CHANNEL CONS. OF CATTARAUGUS CREEK, NEW YORK 10918

OPERATIONS DIVISION
SURVEY SECTION
CONSTRUCTION

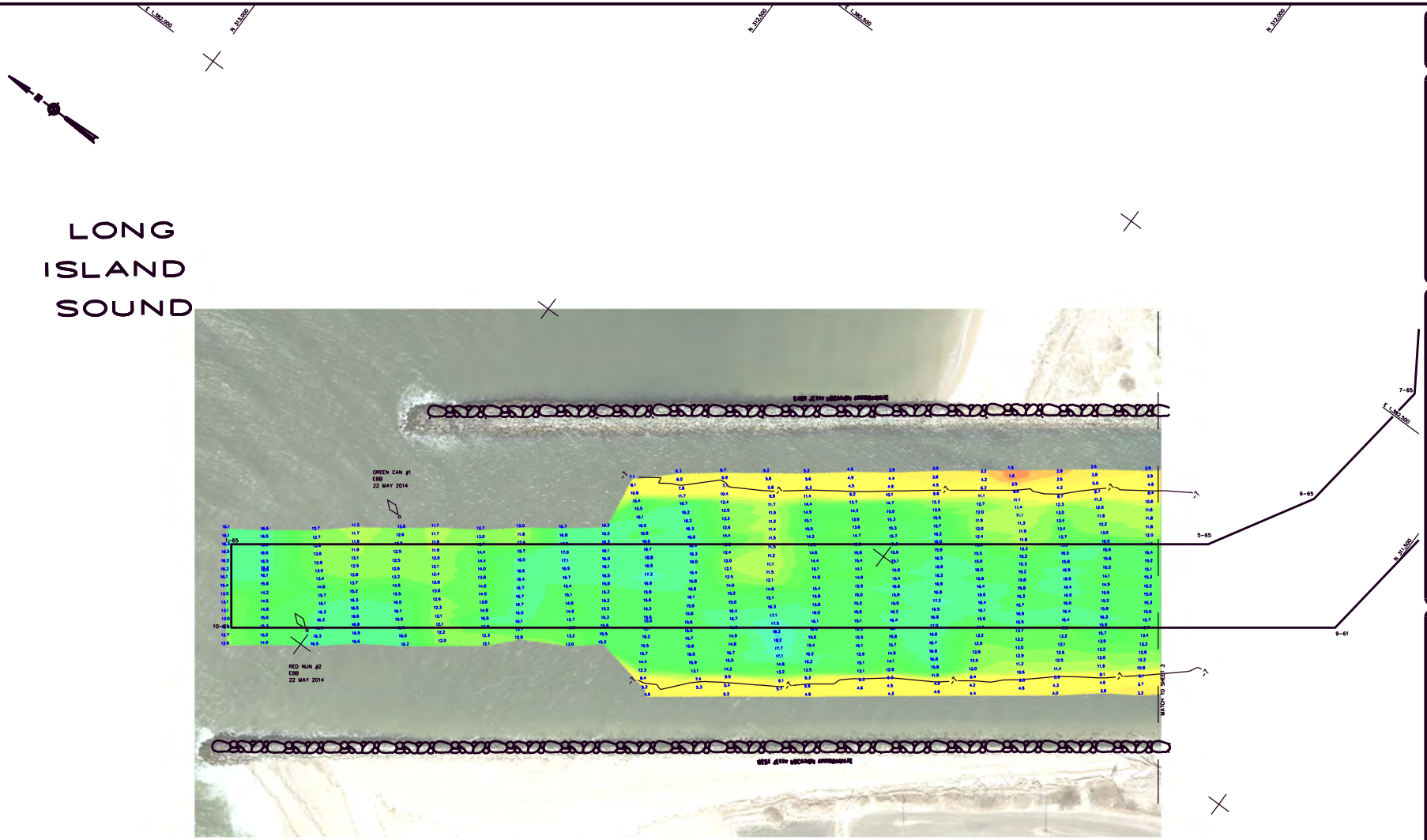
MATTITUCK HARBOR
NEW YORK

CONDITION SURVEY

VH-110

SHEET 1 OF 8

FILE NO.: 65
REQ NO.: 4123A



NSRS/NGS CONTROL DATA			
BENCHMARK:	A 374	PID:	LX0485
ELEVATION:	58.21' NAVD88		

NSRS/NGS CONTROL DATA			
BENCHMARK:	851 2668 A	PID:	BBCZ71
ELEVATION:	9.93' NAVD88		

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.
- SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT DATA SET NAME: 2014 VH-110 MATTITUCK HARBOR.
- COORDINATES NOTED 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 DELINT (EPOCH 1983-2001).
- MEAN LOWER LOW WATER IS 3.0 FEET BELOW NAVD88 AS DETERMINED USING NOAA DATUM CALCULATOR.
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN THINNED TO A 10' INTERVAL USING THE FULL DATA SET.
- 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.
- NOAA CHARTS PROVIDED BY NY STATE OS CLEARINGHOUSE 2013
- NOAA BATHYMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "RTK MAIT".
- THIS MAP IS DEMO COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

DATE OF SURVEY: 14 MARCH, 21-22 MAY 2014

FILE NO.: 65
REQUEST NO.: 4123

SCALE: 1 INCH = 50 FEET

FIELD BOOKS:

APPROVED: J. ABRAHAMSEN
APPROVED: N. FORTE
APPROVED: D. CLARK
APPROVED: J. MRAZ
DATE: 23 MAY 2014

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

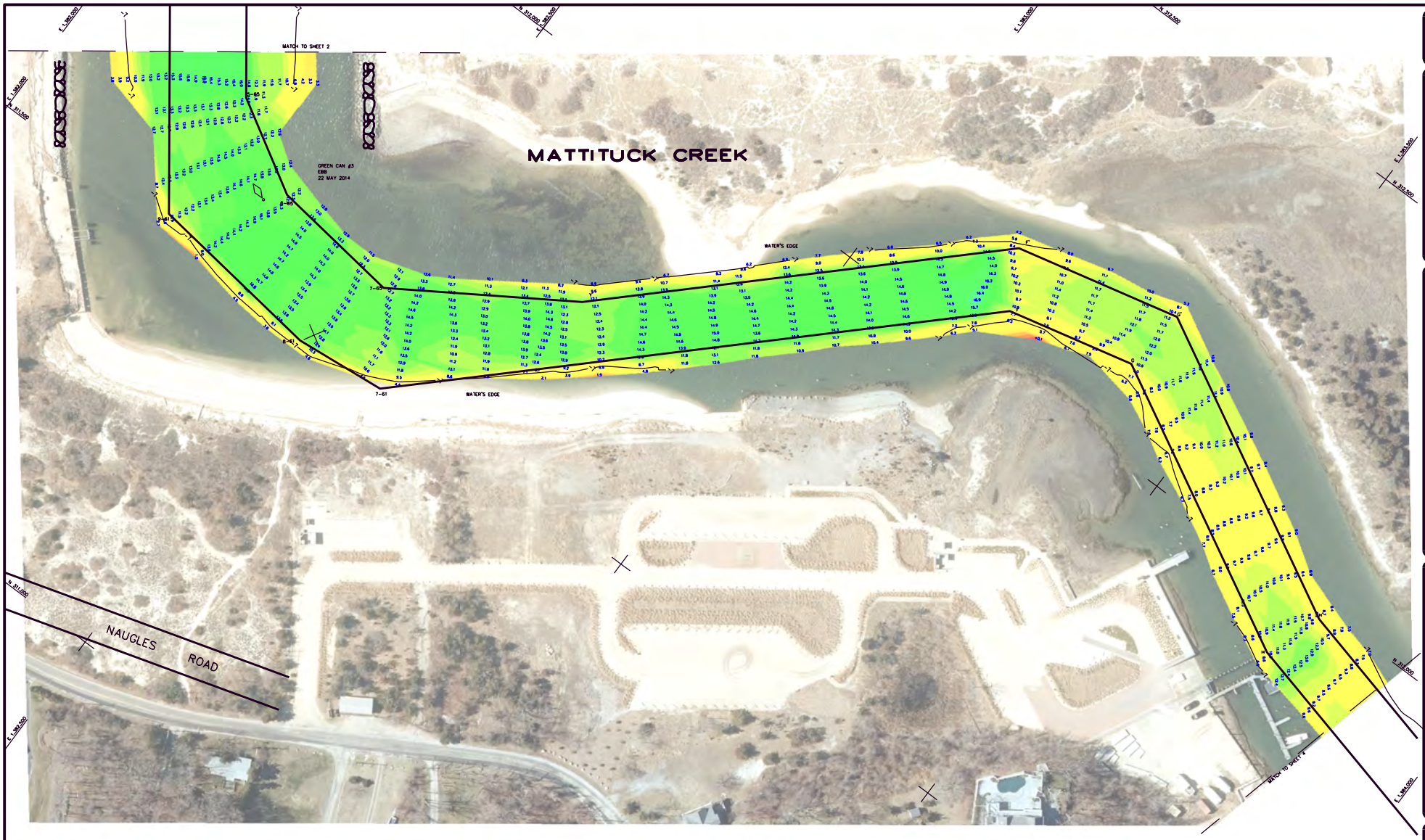
OPERATIONS DIVISION
SURVEY SECTION
CHART DATA

MATTITUCK HARBOR
NEW YORK
CONDITION SURVEY

VH-110

SHEET 1 OF 8

FILE NO.: 65
REQ NO.: 4123A



NSRS/NGS CONTROL DATA	
BENCHMARK: A 374	PID: LX0485
ELEVATION: 58.21' NAVD88	

NSRS/NGS CONTROL DATA	
BENCHMARK: 851 2668 A	PID: BBCZ71
ELEVATION: 9.93' NAVD88	

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 COORDINATES NAD83 (2011) EPOCH 2010.00 - US SURVEY FEET.
- COORDINATES NOTE 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 3.0 FEET BELOW NAVD88 AS DETERMINED USING NOAA DATUM CALCULATOR.
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN THINNED TO A 10' INTERVAL USING THE FULL DATA SET.
- 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.
- NEW IMAGERY PROVIDED BY NY STATE GIS CLEARINGHOUSE 2013
- THE AERIAL GRAPHICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "RTK MATT".
- THIS MAP IS CERP COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

4123-Metadata

MATTITUCK HARBOR
NEW YORK
CONDITION SURVEY

VH-110

SHEET 3 OF 8

FILE NO.: 65
REQ NO.: 4123A

DATE OF SURVEY
14 MARCH, 21-22 MAY 2014

FILE NO.: 65
REQUEST NO.: 4123

SCALE: 1 INCH = 50 FEET

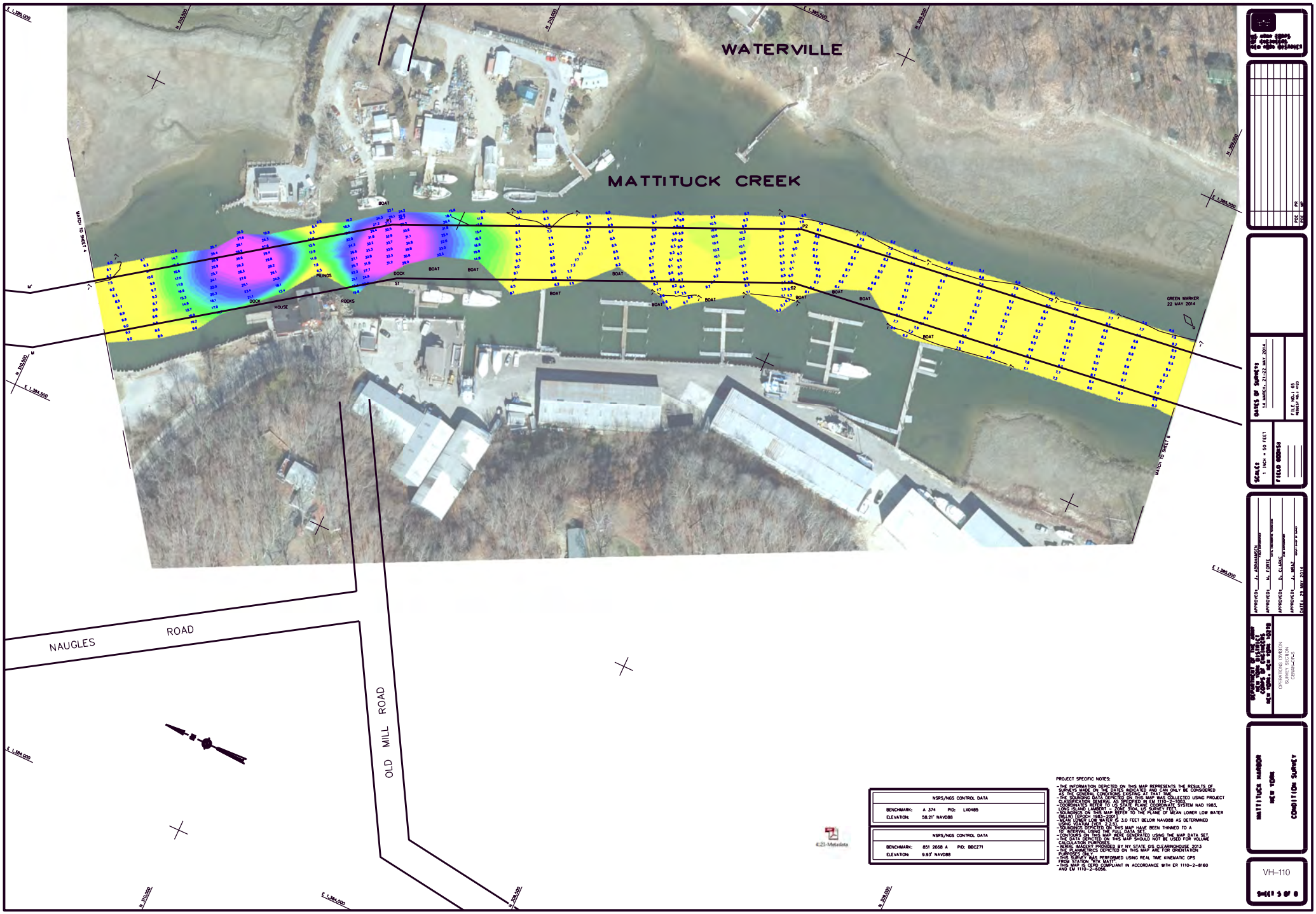
FIELD BOOKS

APPROVED: J. ABRAHAMSEN
APPROVED: M. FORTE
APPROVED: D. CLARK
APPROVED: J. MRAZ
DATE: 23 MAY 2014

ELECTRONICALLY SIGNED AND SEALED BY JOHN A. MRAZ, PLS OF NEW YORK, PLS OF NEW JERSEY

OPERATIONS DIVISION
SURVEY SECTION
CHARTS & DATA

MATTITUCK CREEK
BOAT
DOCK
MATCH TO SHEET
NSRS/NGS CONTROL DATA
BENCHMARK: 857 PID: LX0465
ELEVATION: 58.2 NAVD88
NSRS/NGS CONTROL DATA
BENCHMARK: 857 2666 A PID: BB2271
ELEVATION: 9.87 NAVD88
PROJECT SPECIFIC NOTES:
- THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED. THIS MAP SHALL BE CONSIDERED AS AN GENERAL CONDITION REPRESENTING THAT TIME.
- THE DATA DEPICTED ON THIS MAP WAS GENERATED USING DATA COLLECTED USING PROJECT SPECIFIC SURVEY MEASUREMENTS. ALL DATA WAS COLLECTED USING PROJECT COORDINATES WITH THE US STATE PLANE COORDINATE SYSTEM NAD 1983, LONG ISLAND ZONE, US FEET.
- ELEVATIONS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) UNLESS OTHERWISE NOTED.
- MEAN LOWER LOW WATER IS 0.60 FEET BELOW NAVD88 AS DETERMINED USING LONG ISLAND SOUND TIDE GAUGE DATA.
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN THINNED TO A MINIMUM DENSITY TO ENSURE THE MAP DATA SET IS NOT OVERLOADED WITH DATA.
- CONTOURS ON THIS MAP WERE GENERATED USING THE MAP DATA SET. THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATIONS.
- THE DATA DEPICTED ON THIS MAP WAS COLLECTED BY STATE OF FAIRWAYS, 2013
- THE SURVEY WAS PERFORMED ON THIS MAP ARE FOR FAIRWAYS, 2013
- POSITIONS DEPICTED ON THIS MAP ARE FOR FAIRWAYS, 2013
- THE SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS
- THIS MAP IS NOT COMPLIANT IN ACCORDANCE WITH ER 1110-2-1003 AND EM 1110-2-1003
4123-Metadata
MATTITUCK HARBOR
NEW YORK
CONDITION SURVEY
SCALE: 1 INCH = 50 FEET
DATES OF SURVEYS
14 MARCH, 21-22 MAY 2014
FILE NO.: 65
REQUEST NO.: 4123
FIELD BOOKS
APPROVED: J. ABRAMOWITZ
APPROVED: M. FORTE
APPROVED: D. CLARK
APPROVED: J. MOAY
DATE: 23 MAY 2014
VH-110
FILE NO.: 65
REQ NO.: 4123A



NSRS/NGS CONTROL DATA		
BENCHMARK:	A 374	PID: LX0485
ELEVATION:	58.21' NAVD88	

NSRS/NGS CONTROL DATA		
BENCHMARK:	851 2668 A	PID: BBCZ71
ELEVATION:	9.93' NAVD88	

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.
- CLASSIFICATION GENERALIZED SHOPFISH MAP WAS COLLECTED USING PROJECT CLASSIFICATION GENERALIZED SHOPFISH IAW EM 1110-2-1003.
- COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983, LONG ISLAND LAMBERT - FORE 3104, US SURVEY FEET.
- SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) (DOC) (NSD) (DOD).
- MEAN LOWER LOW WATER IS 3.0 FEET BELOW NAVD88 AS DETERMINED USING TIDE DATA FROM 2011.
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN THINNED TO A 10 INTERVAL USING THE FULL DATA SET.
- CONTOURS ON THIS MAP WERE GENERATED USING THE MAP DATA SET.
- THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATIONS.
- AERIAL IMAGERY PROVIDED BY NY STATE P.O. CLEARINGHOUSE 2013
- THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "RTK MATT".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-8006.

MATTITUCK HARBOR
NEW YORK
CONDITION SURVEY

VH-110

SHEET 5 OF 8

DATES OF SURVEYS
14 MARCH, 21-22 MAY 2014

FILE NO.: 65
REQUEST NO.: 4123

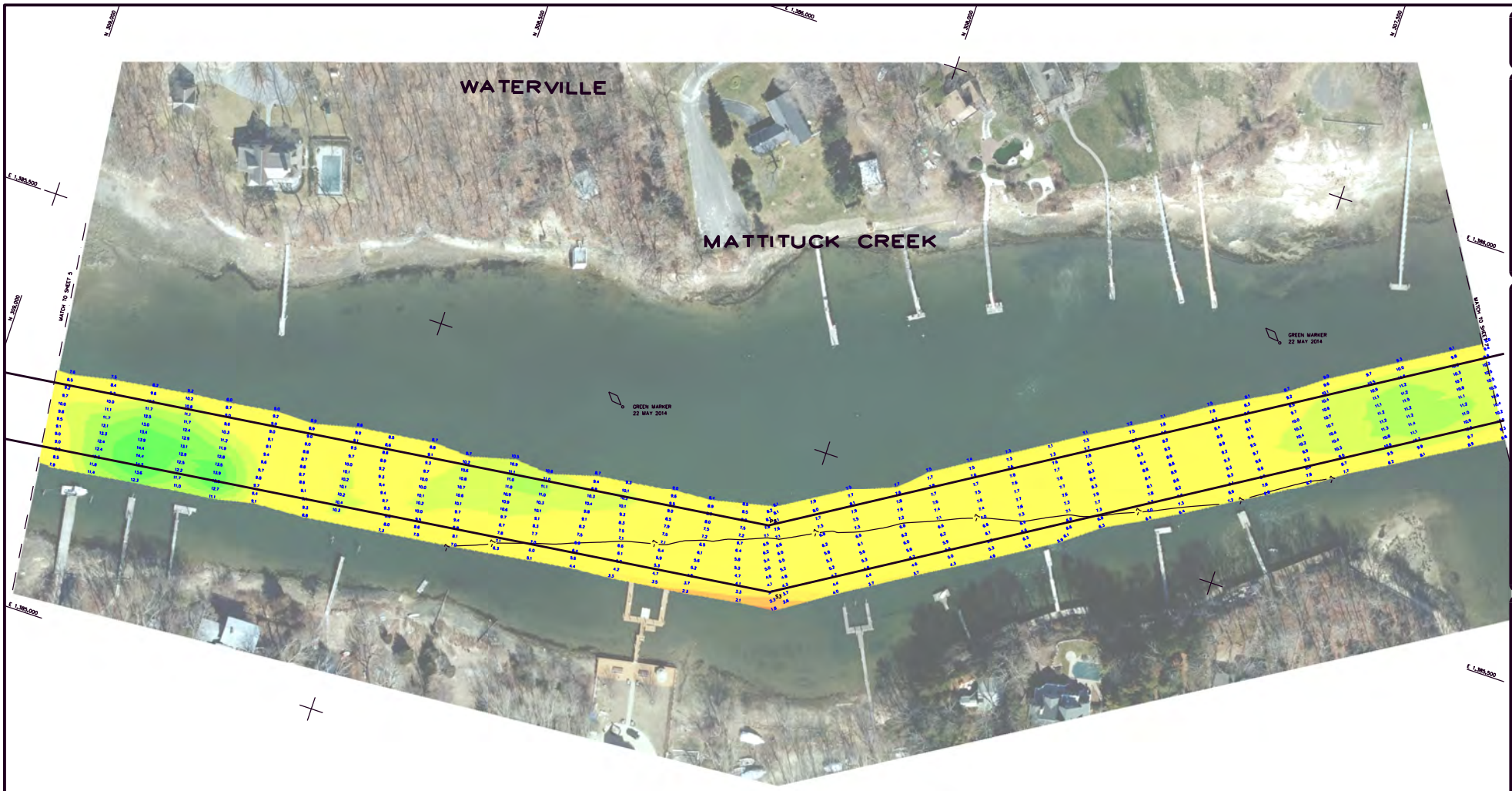
SCALE:
1 INCH = 50 FEET

FIELD BOOKS

APPROVED: J. ABRAHAMSEN
APPROVED: N. FORTE
APPROVED: D. CLARK
APPROVED: J. MRAZ
DATE: 23 MAY 2014

OPERATIONS DIVISION
SURVEY SECTION
CENTRAL

FILE NO.: 65
REQ NO.: 4123A



NSRS/NGS CONTROL DATA			
BENCHMARK:	A 374	PID:	LK0485
ELEVATION:	58.21' NAVD88		

NSRS/NGS CONTROL DATA			
BENCHMARK:	851 2668 A	PID:	BBCZ71
ELEVATION:	9.93' NAVD88		

4123-Metadata

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.
- THIS SURVEY WAS PERFORMED AND THIS MAP WAS COMPILED USING PROJECT CLASSIFICATION GENERAL AS DEFINED IN EM 1110-2-1003.
- 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) (DOC/ NOS-2001).
- MEAN LOWER LOW WATER IS 3.0 FEET BELOW NAVD88 AS DETERMINED FROM STATION "8TH MATT".
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN THINNED TO A 10 INTERVAL USING THE FULL DATA SET.
- 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.
- THIS MAP WAS PRODUCED BY NY STATE DEC GIS/CARTOGRAPHY 2013
- THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "8TH MATT".
- THIS MAP IS DEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

DATE OF SURVEY	18 MARCH, 21-22 MAY 2014
SCALE	1 INCH = 50 FEET
FIELD BOOKS	
FILE NO.: 65	REQUEST NO.: 4123
APPROVED: J. ABRAHAMSEN	CHIEF, HYDROGRAPHIC SURVEY BRANCH
APPROVED: M. FORTE	CHIEF, HYDROGRAPHIC SURVEY
APPROVED: D. CLARK	CHIEF, OPERATIONS DIVISION
APPROVED: J. MRAZ	CHIEF, DIVISION OF SURVEY
DATE: 23 MAY 2014	

DIRECTOR OF THE CENTER FOR OPERATIONAL OCEANOGRAPHIC PRODUCTS AND SERVICES, NOAA, NOS, NOS, OCS

OPERATIONS DIVISION
SURVEY SECTION
CHARTS CALS

MATTITUCK HARBOR
NEW YORK
CONDITION SURVEY

VH-110

SHEET 6 OF 8

FILE NO.: 65
REQ NO.: 4123A

NSRS/NGS CONTROL DATA	
BENCHMARK:	A 374 PID: LX0485
ELEVATION:	58.21' NAVD88

NSRS/NGS CONTROL DATA	
BENCHMARK:	851 2668 A PID: BBCZ71
ELEVATION:	9.93' NAVD88

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, 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 3.0 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 2.2.5).
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN THINNED TO A 10' INTERVAL USING THE FULL DATA SET.
- 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 NY STATE GIS CLEARINGHOUSE 2013
- THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "WTK MATT".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

APPROVED: J. ABRAHAMSEN
APPROVED: M. FORTE
APPROVED: D. CLARKE
APPROVED: J. MRAZ
DATE: 29 MAY 2014

SCALE: 1 INCH = 50 FEET

FIELD BOOKS:

DATES OF SURVEY: 14 MARCH, 21-22 MAY 2014

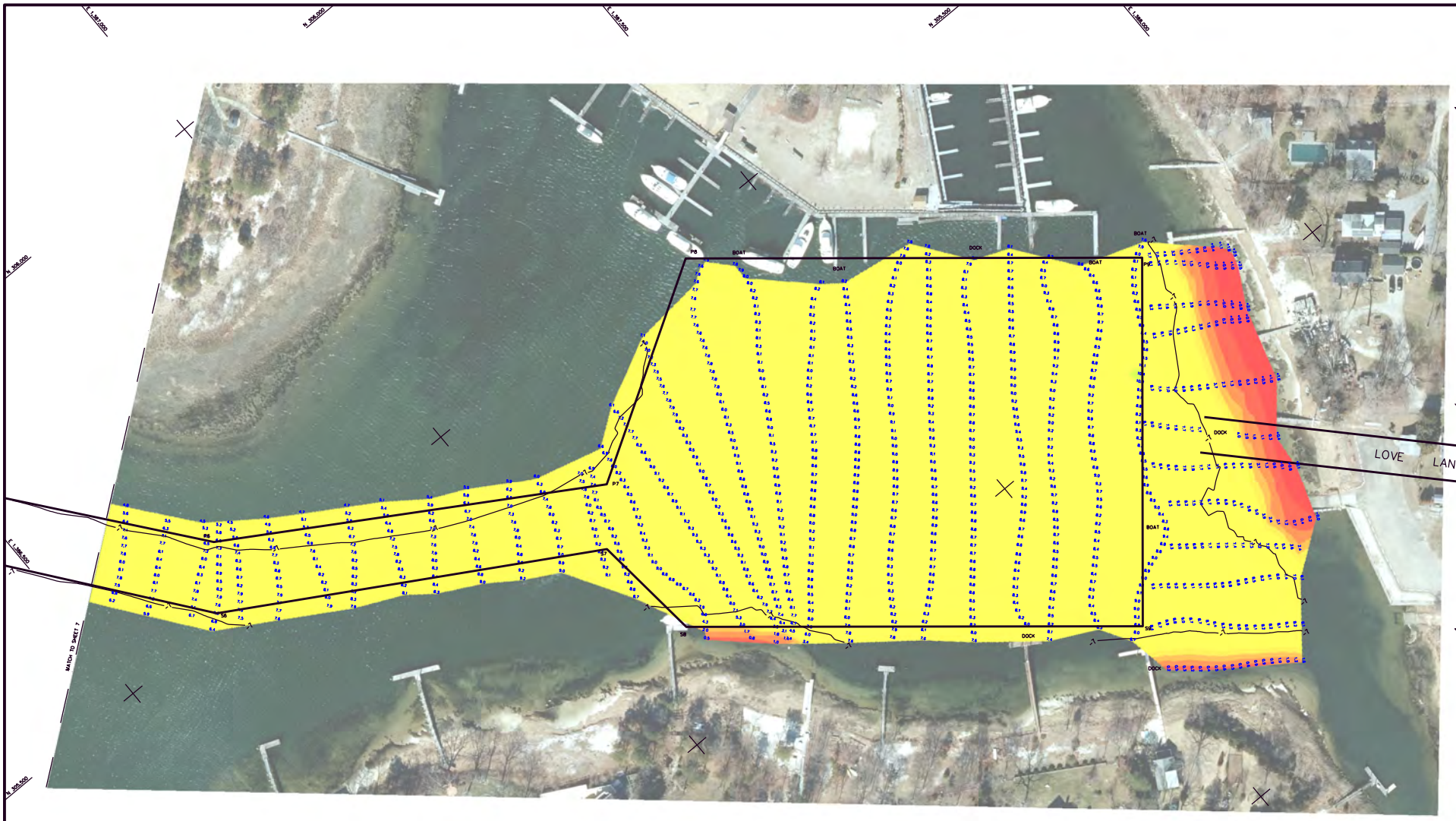
FILE NO.: 65
REQUEST NO.: 4123

MATTITUCK HARBOR
NEW YORK
CONDITION SURVEY

VH-110

SHEET 1 OF 6

FILE NO.: 65
REQ NO.: 4123A



MATTITUCK

MATTITUCK CREEK

NSRS/NGS CONTROL DATA	
BENCHMARK: A 374	PID: LX0485
ELEVATION: 58.21' NAVD88	

NSRS/NGS CONTROL DATA	
BENCHMARK: 851 2668 A	PID: BBCZ71
ELEVATION: 9.93' NAVD88	

PROJECT SPECIFIC NOTES:

- THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEY BASED ON THE DATE(S) INDICATED, AND FINALLY BE CONSIDERED AS A GENERAL CONDITIONAL POSTING OF THE WATERWAY.
- THE SOUNDINGS DEPICTED ON THIS MAP WERE COLLECTED USING PROJECT CLASSIFICATION GENERAL AS SPECIFIED IN EM 1110-2-1003.
- 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) DEPICTED AS 3.0 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 3.2.5.5).
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN THINNED TO A 10' INTERVAL USING THE FULL DATA SET.
- CONTOURS ON THIS MAP WERE GENERATED USING THE MAP DATA SET, THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATIONS.
- AERIAL IMAGERY PROVIDED BY NY STATE DOT, CLEARINGHOUSE 2013
- THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM DATUM "RTK MATT".
- THIS MAP IS CSPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

MATTITUCK HARBOR
NEW YORK
CONDITION SURVEY

VH-110

DATES OF SURVEYS
16 MARCH, 21-22 MAY 2014

FILE NO.: 65
REQUEST NO.: 4123

SCALES
1 INCH = 50 FEET

FIELD BOOKS

APPROVED: J. ABRAMSEN
APPROVED: M. FORTE
APPROVED: D. CLARKE
APPROVED: J. BRAZ
DATE: 29 MAY 2014

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

OPERATIONS DIVISION
SURVEY SECTION
CEWAN-OP-CS

FILE NO.: 65
REQ NO.: 4123A