



U.S.A.C.O.E. STATION NAME		CHANNEL COORDINATES (NAD 83)		U.S.A.C.O.E. STATION NAME	
NORTHING (Y)	EASTING (X)	NORTHING (Y)	EASTING (X)	NORTHING (Y)	EASTING (X)
02	204092.85	1256555.39	185	233988.58	1364144.70
03	208187.62	1267428.99	200	234847.49	1365043.15
04	208801.01	1287445.25	205	24763.19	1365093.97
05	207869.46	1276818.22	210	236355.39	1368006.01
06	207768.48	1276845.20	215	236251.27	1368021.89
07	210154.40	1280495.51	220	236115.19	1367754.51
08	210070.38	1280549.23	225	236201.04	1368371.68
09	214297.98	1286683.37	230	236085.13	1369097.40
10	214181.60	1286689.28	235	235985.19	1369603.52
11	212101.19	1290816.88	240	236132.05	1369799.96
12	210074.48	1290769.25	245	236036.61	1369851.07
13	208353.44	1295987.01	250	237023.41	1371894.00
14	208540.53	1295986.38	255	236926.83	1371921.42
15	210004.33	1299179.78	260	237152.92	1372648.85
16	210911.38	1299217.70	265	237029.88	1372699.01
17	216073.09	1306489.70	270	237686.42	1373164.24
18	214996.54	1300732.64	275	237612.40	1373231.86
19	212271.29	1303314.89	280	237949.13	1373487.86
20	212181.64	1303363.45	285	237863.89	1373541.52
21	215150.02	1306740.24	290	239094.41	1375909.84
22	215061.38	1306700.17	295	239008.91	1375725.05
23	217045.15	1312328.60	300	239277.84	1375989.54
24	216956.88	1312388.33	305	239202.07	1375938.58
25	223699.98	1317627.94	310	240656.33	1376586.44
26	223601.13	1317481.84	315	240602.99	1376674.30
27	225294.23	1317432.67	320	244775.86	1380070.50
28	225366.85	1318071.84	325	244663.84	1380134.33
29	207979.85	1298501.09	330	250385.02	1392648.34
30	224702.86	1324093.17	335	250285.04	1392688.28
31	224605.19	1324115.41	340	250185.82	1392711.81
32	228531.30	1336516.16	345	250051.16	1398393.15
33	228451.70	1336645.88	350	250068.38	1398644.44
34	233419.79	1352914.87	355	250490.31	1399408.94
35	233317.23	1352912.23	360	250684.75	1399721.87
36	233199.98	1352139.80	365	250488.87	1399724.82
37	233291.22	1352914.14	370	250804.93	1403001.28
38	233399.43	1358609.70	375	260302.56	1403105.23
39	233291.22	1358612.19	380	262475.29	1403263.70
40	233186.50	1362024.55	385	262863.39	1402438.99
41	233091.50	1362024.55	390	262875.29	1399316.10
42	233851.00	1363001.74	395	263117.06	1399190.89
43	233550.62	1361040.32	400	262461.56	1398950.61
44	234020.44	1364021.91	405	263489.45	1398898.04
45	233951.68	1364010.19	410	264780.90	1398700.17
46	234067.08	1364082.74	415	264788.43	1398799.89

U. S. ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

ROBERT SURVING, INC.  
103 Bedford Street  
Brooklyn, NY 11211  
www.robertsurveying.com

DATE OF SURVEY: 1-12-2011  
FIELD BOOKS: 752-1-5, 15

SCALE: ONE INCH = 1000 FEET

APPROVED: [Signature] DATE: 25 OCTOBER 2011

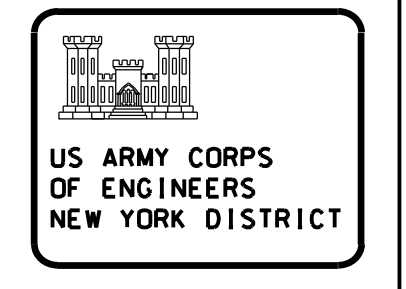
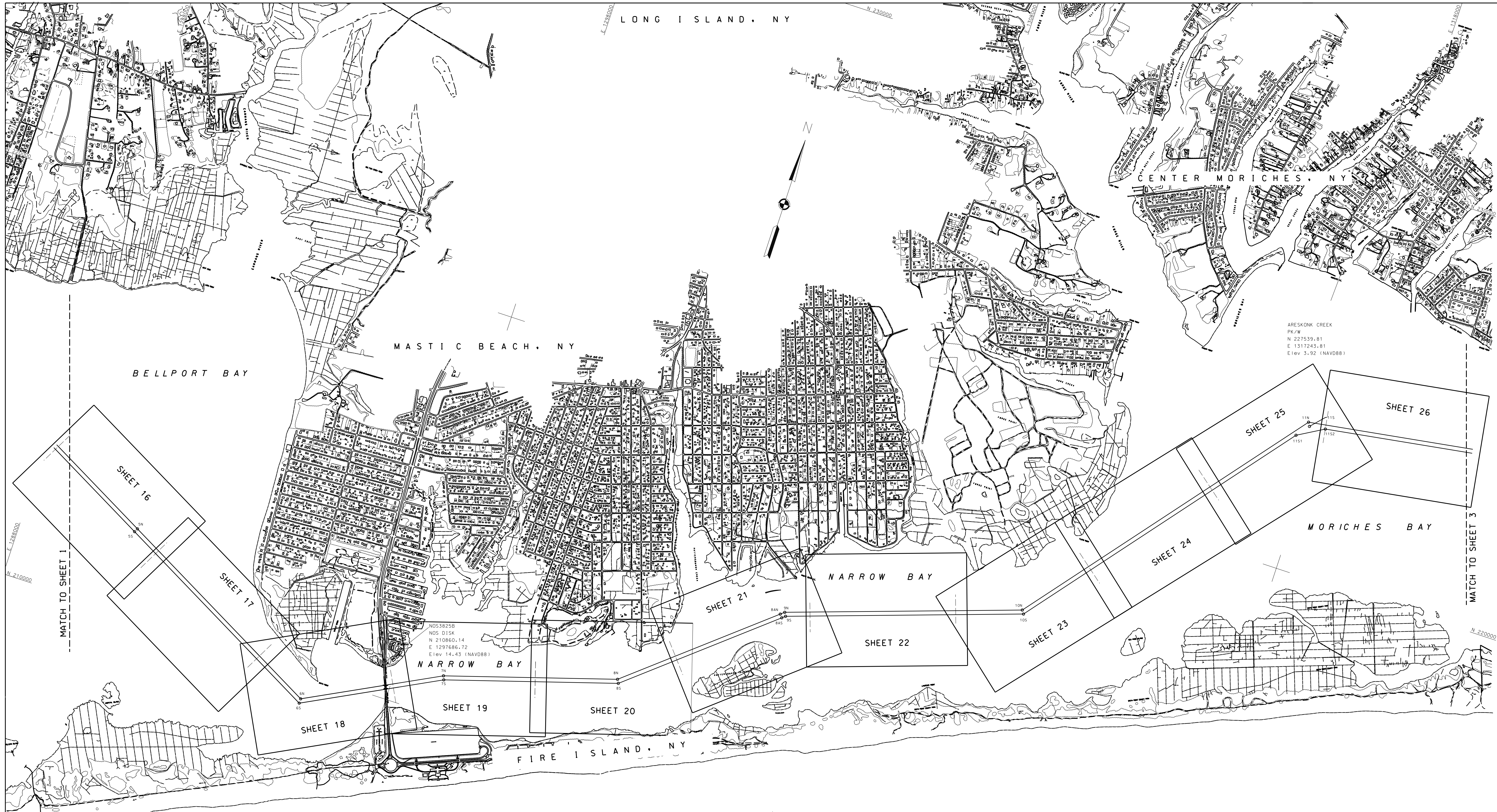
DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION  
SOUTH BAY DIVISION  
GENERAL-OPS

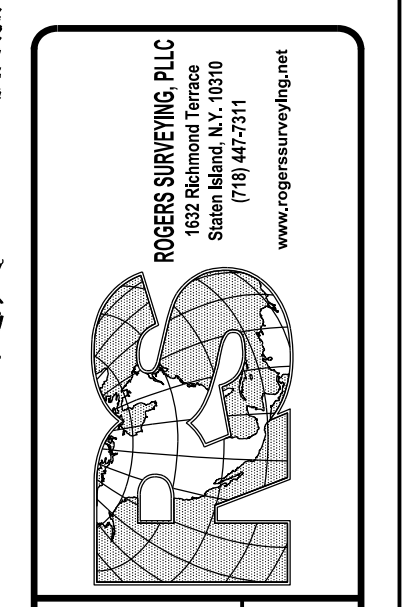
LONG ISLAND INTRACOASTAL WATERWAY, N.Y.  
SHEET LAYOUT  
CONDITION SURVEY

VH-101  
SHEET 1 OF 55

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLOPING DATUM. THIS MAP IS CERO COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.



DATES OF SURVEY:  
1-11-1862 ET 11



SCALE: ONE INCH = 1000 FEET  
FIELD BOOKS: 7722-1, 15, 15

APPROVED: D. RODERS  
APPROVED: P. BAELINE  
APPROVED: J. WATSON  
APPROVED: F. FOSLIGLIONE

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK DISTRICT  
OPERATIONS DIVISION  
SOUNDING SECTION  
NEW YORK

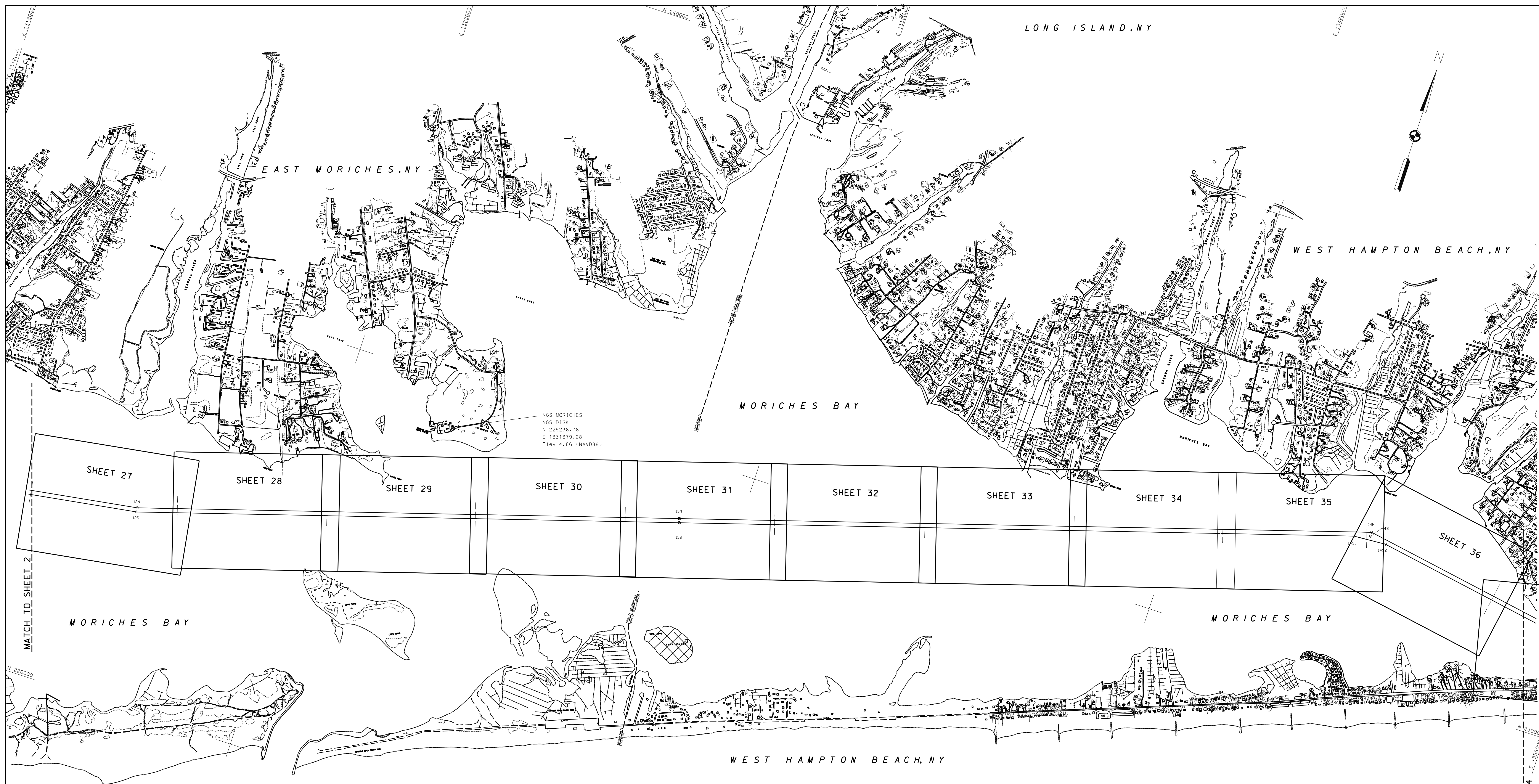
LONG ISLAND INTRACASTAL WATERWAY, N.Y.  
SHEET LAYOUT  
CONDITION SURVEY

VH-102  
SHEET 2 OF 55

CHANNEL COORDINATES (NAD 83)

U.S.A.C.D.E. STATION NAME	NORTHING (Y)	EASTING (X)	U.S.A.C.D.E. STATION NAME	NORTHING (Y)	EASTING (X)
02	204092.85	125655.29	195	233988.58	136444.70
2N	208187.62	1267428.99	20N	234847.49	1365043.15
2S	208087.01	1267445.55	20S	234763.19	1365043.15
3AN	207869.46	1276818.72	21N	236355.39	1368006.01
3AS	207768.48	1276845.70	21S	236251.27	1368006.01
3BN	210154.40	1280495.51	21S1	236115.19	1367754.51
3BS	210070.36	1280476.76	21S2	236085.15	1367754.51
4N	214297.98	1286683.37	22N	236085.15	1369997.40
4S	214181.60	1286689.28	22S	235980.42	1369997.40
5N	212101.19	1290816.88	23N	236132.05	1369799.96
5S	212003.03	1290769.95	23S	236036.61	1369831.07
6N	209353.44	1295988.01	24N	237023.41	1371893.00
6S	209240.53	1295986.38	24S	236926.83	1371921.42
7N	211004.33	1299179.75	25N	237132.92	1372648.85
7S	210911.36	1299217.70	25S	237059.88	1372698.01
8AN	215072.09	1306448.70	26N	237686.42	1373764.24
8AS	214996.54	1306713.04	26S	237612.60	1373231.96
8N	212181.64	1303314.89	27N	237949.13	1373967.86
8S	212181.64	1303363.65	27S	237863.89	1373564.52
9N	215045.15	1306740.24	28N	239094.44	1376089.84
9S	215061.36	1306790.17	28S1	239008.91	1375729.03
10N	217045.60	1312528.60	28S2	238917.64	1375829.03
10S	216959.88	1312388.53	28S	239020.07	1375986.58
11N	223699.93	1317432.67	29N	240656.33	1379598.44
11S	223607.15	1317681.84	29S	240602.99	1376674.30
12N	223667.56	1318077.12	30N	244175.96	1380070.92
12S	223574.23	1318000.29	30S	244093.84	1380132.53
13N	224702.86	1324093.27	31N	250285.04	1392668.28
13S	224605.15	1324175.61	31S	250151.62	1398379.13
14N	228531.30	1336076.16	32S	250051.16	1398393.15
14S	228435.70	1336035.48	33N	250568.38	1399646.44
15N	233419.75	1352514.67	33S	250490.31	1399608.94
15S	233317.27	1352520.23	33S2	250804.75	1399727.87
16N	233199.98	1352139.80	34S	250804.75	1399724.82
16S	233251.22	1352916.74	34N	260304.93	1403000.28
17N	232399.43	1356009.72	35N	260302.56	1403002.28
17S	232297.52	1356812.79	35S	262475.29	1402360.70
18N	233186.50	1359204.50	36N	262663.99	1402663.99
18S	233091.50	1359205.63	36S	263024.95	1399136.10
19N	233451.30	1363051.74	37N	263117.06	1399150.89
19S	233558.62	1363040.32	37S	263451.56	1398800.61
			38N	263899.04	1398899.04
			38S	264780.90	1398700.17
			38S	264788.43	1398799.89

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS CDDO COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.



NOS MORICHES  
NOS DISK  
N 229236.76  
E 1331379.28  
Elev 4.86 (NAVD88)

CHANNEL COORDINATES (NAD 83)

U.S.A.C.O.E. STATION NAME	NORTHING (Y)	EASTING (X)	U.S.A.C.O.E. STATION NAME	NORTHING (Y)	EASTING (X)
02	204092.85	1256555.29	195	233988.58	1364144.70
02N	208187.62	1267428.99	20N	234847.49	1368043.15
05	208087.01	1267445.65	20S	234761.19	1368097.97
05N	207869.46	1276818.72	21N	236395.39	1368006.01
05S	207784.48	1276845.70	21S	236251.27	1368091.89
08N	210154.40	1280495.51	21S1	236115.19	1367754.51
08S	210070.36	1280549.73	21S2	236201.04	1368317.60
10N	214297.38	1286663.57	22N	236097.13	1368997.40
10S	214181.60	1286689.28	22S	235983.19	1369600.42
12N	212101.19	1292081.68	23N	236131.05	1369791.96
12S	212012.88	12920769.95	23S	236036.61	1369831.07
14N	209353.44	1295987.01	24N	237023.41	1371893.00
14S	209240.53	1295986.38	24S	236926.83	1371921.42
16N	211004.33	129917.78	26N	237152.92	1372648.25
16S	210911.36	1299217.70	26S	237059.88	1372698.01
18N	215073.09	1306688.70	26N	237166.42	1373164.44
18S	214996.34	1306713.04	26S	237167.60	1373231.96
20N	212271.49	1303314.49	27N	237945.13	1373481.86
20S	212181.64	1303363.65	27S	237861.89	1373541.52
22N	215101.02	1306740.24	28N	238094.41	1375009.54
22S	215061.36	1306790.17	28S1	238008.91	1375729.03
24N	216959.88	1312358.53	28N2	238172.84	1375981.54
24S	216959.88	1312358.53	28S	238020.07	1375986.58
26N	223693.98	1317621.66	29N	240656.33	1376984.40
26S	223607.38	1317681.84	29S	240601.99	1376867.30
28N	223294.23	1317432.67	30N	244775.86	1380070.92
28S	223667.36	1318071.12	30S	244693.84	1380131.53
30N	203972.82	1256500.29	31N	250385.92	1392648.94
30S	224702.86	1324053.17	31S	250295.04	1392668.08
32N	224605.15	1324115.61	32N	250151.82	1398379.13
32S	224611.40	1324053.16	32S	250091.16	1398393.15
34N	228435.70	1336605.48	33N	250568.38	1399464.44
34S	233471.19	1352144.67	33S	250490.81	1399406.84
36N	233317.27	1352500.33	33S2	250804.75	1399727.87
36S	233393.88	1352193.40	34N	250484.87	1399406.84
38N	233251.22	1352916.74	34S	250304.93	1403000.28
38S	233299.10	1352939.10	34S	250300.96	1403100.23
40N	232297.52	1358812.79	35N	262475.29	1402360.70
40S	233186.50	1358809.10	35S	262441.39	1402438.99
42N	233091.50	1362051.63	36N	262024.95	1399136.10
42S	233186.50	1362001.74	36S	261711.09	1399190.89
44N	233558.62	1363040.32	37N	263451.66	1398800.81
44S	234020.44	1364021.91	37S	263480.40	1398890.04
46N	233311.88	1364070.49	38N	264780.35	1398700.17
46S	234067.08	1364082.74	38S	264788.43	1398799.89

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

ROBERTS SURVEYING & CONSULTING INC. 100 Boulevard Towers, Suite 1000, New York, NY 10022-1010

DATE OF SURVEY: 12-17-00  
12-17-00

SCALE: ONE INCH = 1000 FEET  
FIELD BOOKS: 722, 1, 5, 15

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK DISTRICT  
OPERATIONS DIVISION  
SCENARIOS

APPROVED: D. ROBERTS  
APPROVED: P. BAELE  
APPROVED: J. WILSON  
APPROVED: F. FOSTER  
DATE: 15 OCTOBER 2011

LONG ISLAND INTRACOASTAL WATERWAY, N.Y.  
SHEET LAYOUT  
CONDITION SURVEY

VH-103  
SHEET 3 OF 55

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS DEFO COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.



U.S.A.C.O.E. STATION NAME		NORTHING (Y)		EASTING (X)		CHANNEL COORDINATES (NAD 83)	
STATION NAME	Y	Y	X	STATION NAME	Y	Y	X
4C	214181.60	1296689.28	2151	236115.19	1367154.51		
5N	212101.19	1290816.88	2152	236201.04	1368317.65		
5S	212012.88	1290769.35	2153	236286.89	1369480.79		
6N	209355.44	1295987.01	2225	235983.19	1369600.42		
6S	209240.53	1295986.26	2226	236132.05	1369799.96		
7N	211004.33	1299179.78	2339	236036.01	1369631.07		
7S	210811.36	1299217.70	2340	237023.41	1371893.00		
8AN	215073.09	1308449.70	2445	236926.83	1371921.42		
8AS	214996.54	1306713.04	252N	237152.92	1372646.85		
8N	212181.64	1303314.89	252S	237095.88	1372698.01		
8S	215150.02	1303363.65	262N	237686.42	1373164.24		
9N	215061.36	1306740.24	262S	237631.46	1373231.46		
9S	215061.36	1306790.17	272N	237949.13	1373487.86		
10N	211045.18	1312928.60	272S	237845.89	1373541.52		
10S	216959.88	1312989.53	282N	239094.41	1375909.84		
11N	223699.98	1312691.94	282S	239000.07	1375986.58		
11S	223607.15	1317681.84	282N2	239277.84	1375989.54		
11S1	223294.27	1317422.67	282S	239000.07	1375986.58		
11S2	223667.56	1319077.12	292N	240656.33	1376586.44		
12N	224702.88	1324093.17	292S	240602.99	137674.30		
12S	224605.15	1324115.61	302N	244775.86	1380070.92		
13N	228531.30	1328576.16	302S	244693.84	1380132.55		
13S	228433.70	1328609.48	312N	250385.92	1392646.94		
14N	232473.79	1332574.61	312S	250285.04	1392668.28		
14S	233317.42	1332520.23	322N	250191.82	139879.13		
14S1	233199.88	1332139.80	322S	250051.16	1398393.15		
14S2	233261.42	1332916.74	332N	250586.38	139946.44		
15N	232399.43	1338609.70	332S	250490.31	1399408.94		
15S	232291.52	1338617.74	332N2	250804.72	1399727.87		
16N	233186.50	1362024.55	332S	250488.87	1399724.82		
16S	233091.60	1362091.51	342N	260304.93	1400000.28		
17N	233651.00	1363001.74	342S	260302.56	1403105.23		
17S	233596.62	1363001.52	352N	262476.70	1402960.70		
18N	234020.44	1364021.91	352S	262563.39	1402436.99		
18S	233991.68	1364070.79	362N	263024.95	1399136.10		
19N	234067.08	1364082.74	362S	263117.06	1399190.89		
19S	233989.38	1364144.70	372N	263481.56	1398800.61		
20N	234847.49	1365043.15	372S	263489.45	1398898.04		
20S	234763.18	1365097.91	382N	264700.60	1398700.17		
21N	236359.39	1368006.01	382S	264788.43	1398799.89		
21S	236251.27	1368021.89					

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

ROGERS SURVEYING & CONSULTING INC. 100 Boulevard Francais, Ste 200, Westbury, NY 11591 (716) 342-7111 www.rogerssurveying.com

DATE OF SURVEY: 12-12-1982 (DOT)

SCALE: ONE INCH = 1000 FEET

FIELD BOOKS: 722, 1-8, 15

APPROVED: D. ROGERS (DISTRICT ENGINEER), P. BACLINE (PROJECT ENGINEER), J. WATSON (SUPERVISOR), F. POSTOLONE (CHECKER)

DATE: 25 OCTOBER 2011

DEPARTMENT OF THE ARMY CORPS OF ENGINEERS NEW YORK DISTRICT OPERATIONS DIVISION SURVEYING BRANCH CENAN-0205

LONG ISLAND INTRACOASTAL WATERWAY, N.Y. SHEET LAYOUT CONDITION SURVEY

VH-104 SHEET 4 OF 55

NOTES:

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

THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.

THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS CDDP COMPLIANT.

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

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



U.S.A.C.O.E. STATION NAME		NORTHING (Y)		EASTING (X)		U.S.A.C.O.E. STATION NAME		NORTHING (Y)		EASTING (X)	
45	214181.60	1286689.28	2151	236115.19	1367754.51	2152	236201.04	1368317.05	220	236085.15	1369597.40
50	212101.19	1290816.88	220	236085.15	1369597.40	221	236171.00	1370160.42	225	235985.19	1370600.42
55	212012.88	1290769.95	225	235985.19	1370600.42	226	236132.05	1371199.96	230	236036.61	1371831.07
60	209240.53	1295986.38	230	236036.61	1371831.07	231	236132.05	1372488.85	235	235926.83	1373192.42
70	21004.32	1299179.78	235	235926.83	1373192.42	240	237132.92	1373799.88	245	236926.83	1374500.00
75	210111.36	1299217.70	240	237132.92	1374500.00	245	237059.88	1375208.01	250	237059.88	1375815.04
80	21073.09	1306648.70	245	237059.88	1375815.04	250	237663.89	1376422.04	255	237663.89	1377029.07
85	214396.54	1306115.04	250	237663.89	1377029.07	255	237663.89	1377636.00	260	237663.89	1378243.03
88	212771.29	1303314.89	255	237663.89	1378243.03	260	237663.89	1378850.00	265	237663.89	1379457.03
90	212181.64	1303363.65	260	237663.89	1379457.03	265	237663.89	1380064.06	270	237663.89	1380671.09
92	21150.02	1306740.24	265	237663.89	1380671.09	270	237663.89	1381278.12	275	237663.89	1381885.15
95	210081.36	1306780.17	270	237663.89	1381885.15	275	237663.89	1382492.18	280	237663.89	1383099.21
100	217045.15	1312328.60	275	237663.89	1383099.21	280	237663.89	1383706.24	285	237663.89	1384313.27
105	216359.88	1312388.53	280	237663.89	1384313.27	285	237663.89	1384920.30	290	237663.89	1385527.33
110	216359.88	1317627.94	285	237663.89	1385527.33	290	237663.89	1386134.36	295	237663.89	1386741.39
115	216359.88	1317627.94	290	237663.89	1386741.39	295	237663.89	1387348.42	300	237663.89	1387955.45
120	216359.88	1317627.94	295	237663.89	1387955.45	300	237663.89	1388562.48	305	237663.89	1389169.51
125	216359.88	1317627.94	300	237663.89	1389169.51	305	237663.89	1389776.54	310	237663.89	1390383.57
130	216359.88	1317627.94	305	237663.89	1390383.57	310	237663.89	1390990.60	315	237663.89	1391597.63
135	216359.88	1317627.94	310	237663.89	1391597.63	315	237663.89	1392204.66	320	237663.89	1392811.69
140	216359.88	1317627.94	315	237663.89	1392811.69	320	237663.89	1393418.72	325	237663.89	1394025.75
145	216359.88	1317627.94	320	237663.89	1394025.75	325	237663.89	1394631.78	330	237663.89	1395238.81
150	216359.88	1317627.94	325	237663.89	1395238.81	330	237663.89	1395844.84	335	237663.89	1396451.87
155	216359.88	1317627.94	330	237663.89	1396451.87	335	237663.89	1397057.90	340	237663.89	1397664.93
160	216359.88	1317627.94	335	237663.89	1397664.93	340	237663.89	1398271.96	345	237663.89	1398878.99
165	216359.88	1317627.94	340	237663.89	1398878.99	345	237663.89	1399485.02	350	237663.89	1400091.05
170	216359.88	1317627.94	345	237663.89	1400091.05	350	237663.89	1400698.08	355	237663.89	1401305.11
175	216359.88	1317627.94	350	237663.89	1401305.11	355	237663.89	1401912.14	360	237663.89	1402518.17
180	216359.88	1317627.94	355	237663.89	1402518.17	360	237663.89	1403125.20	365	237663.89	1403731.23
185	216359.88	1317627.94	360	237663.89	1403731.23	365	237663.89	1404338.26	370	237663.89	1404944.29
190	216359.88	1317627.94	365	237663.89	1404944.29	370	237663.89	1405551.32	375	237663.89	1406151.32
195	216359.88	1317627.94	370	237663.89	1406151.32	375	237663.89	1406758.35	380	237663.89	1407364.38
200	216359.88	1317627.94	375	237663.89	1407364.38	380	237663.89	1407971.41	385	237663.89	1407971.41
205	216359.88	1317627.94	380	237663.89	1407971.41	385	237663.89	1408578.44			
210	216359.88	1317627.94	385	237663.89	1408578.44						
215	216359.88	1317627.94									

NOTES:

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

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

COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.

SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.

THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS CERO COMPLIANT.

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

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

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

ROGERS SURVEYING & CONSULTING INC. 100 Boulevard Tower 100 Boulevard Tower 100 Boulevard Tower (NY 10021)

DATE OF SURVEY: 1-12-1982 (DOT)

SCALE: ONE INCH = 1000 FEET

FIELD BOOKS: 1722, 1723, 1724

APPROVED: D. ROGERS (DATE: 25 OCTOBER 2011)

APPROVED: P. BACLINE (DATE: 25 OCTOBER 2011)

APPROVED: J. WATSON (DATE: 25 OCTOBER 2011)

APPROVED: F. POSTILLONE (DATE: 25 OCTOBER 2011)

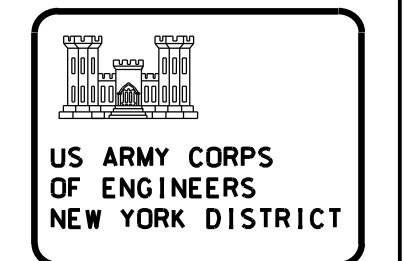
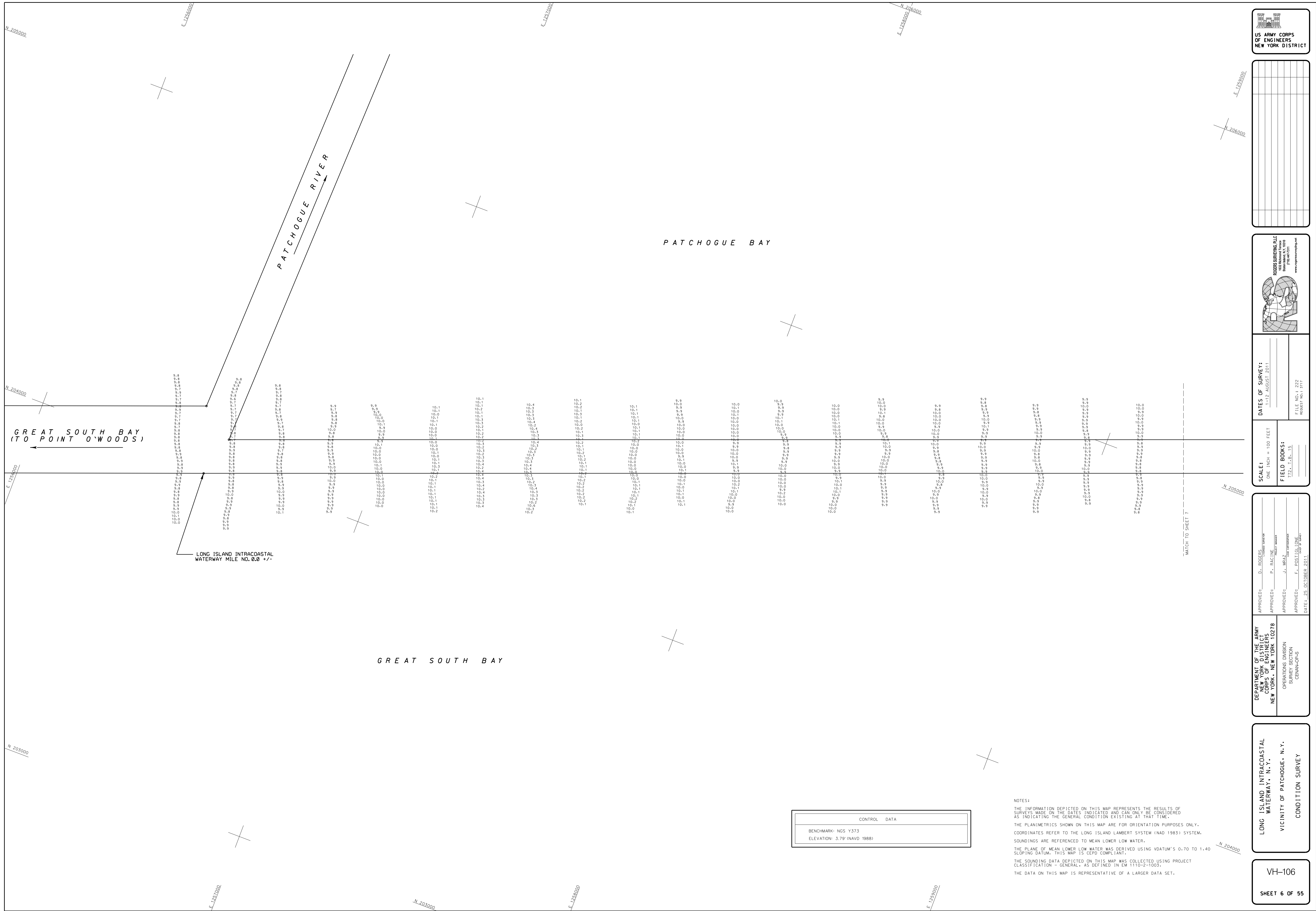
DEPARTMENT OF THE ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

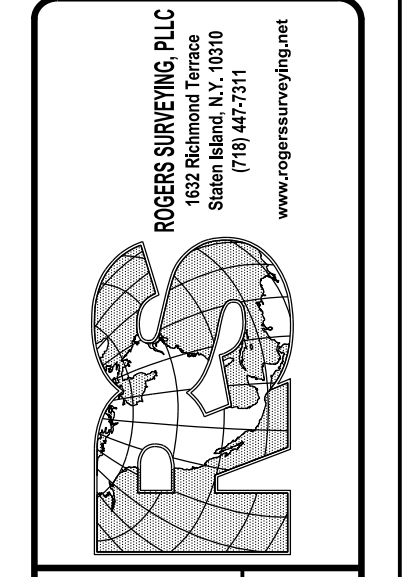
OPERATIONS DIVISION

LONG ISLAND INTRACOASTAL WATERWAY, N.Y. SHEET LAYOUT

CONDITION SURVEY

VH-105 SHEET 5 OF 55



**DATES OF SURVEY:**  
1-12, AUGUST 2011

**SCALE:**  
ONE INCH = 100 FEET

**FIELD BOOKS:**  
7122-1, 15

**FILE NO.:** 222  
REQUEST NO.: 3111

**APPROVED:** D. ROGERS, DISTRICT ENGINEER

**APPROVED:** P. BACINE, PROJECT MANAGER

**APPROVED:** J. MULLOY, DISTRICT ENGINEER

**APPROVED:** E. POSTELLO, DISTRICT ENGINEER

DATE: 15 OCTOBER 2011

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

**OPERATIONS DIVISION**  
SUBDIVISION  
CERANAS-COS

**LONG ISLAND INTRACASTAL WATERWAY, N.Y.**  
**VICINITY OF PATCHOGUE, N.Y.**  
**CONDITION SURVEY**

**VH-106**

**SHEET 6 OF 55**

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS CERO COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

**CONTROL DATA**  
BENCHMARK: NGS Y373  
ELEVATION: 3.79 (NAVD 1988)







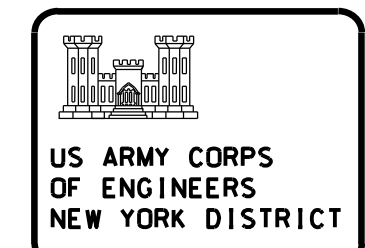
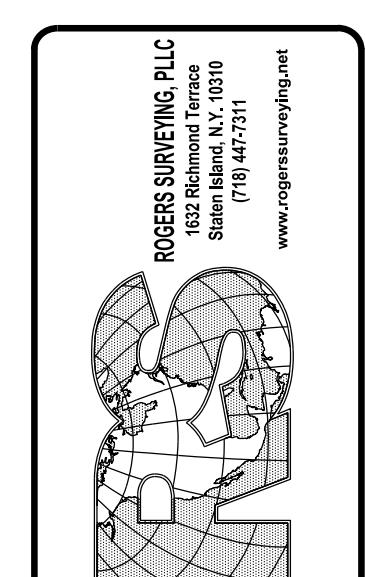


Table with 2 columns and multiple rows, likely a title block or project information table.



DATES OF SURVEY: 1-12 AUGUST 2011

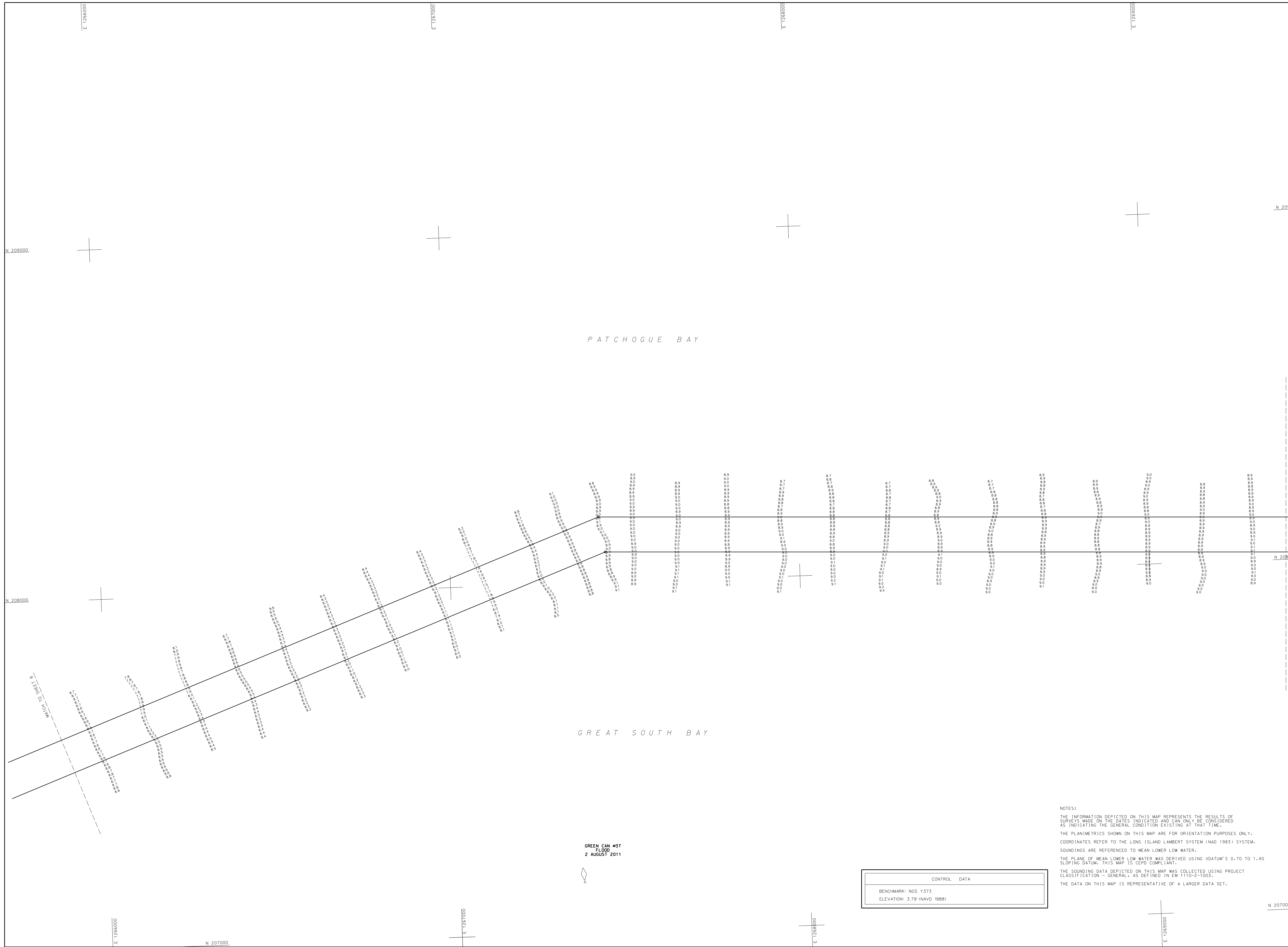
SCALE: ONE INCH = 100 FEET  
FIELD BOOKS: 7122-1, 15

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

APPROVED: D. ROGERS  
APPROVED: P. BACLINE  
APPROVED: J. WATSON  
APPROVED: F. POSTIGLIONE  
DATE: 15 OCTOBER 2011

LONG ISLAND INTRACASTAL WATERWAY, N.Y.  
VICINITY OF PATCHOGUE, N.Y.  
CONDITION SURVEY

VH-109  
SHEET 9 OF 55



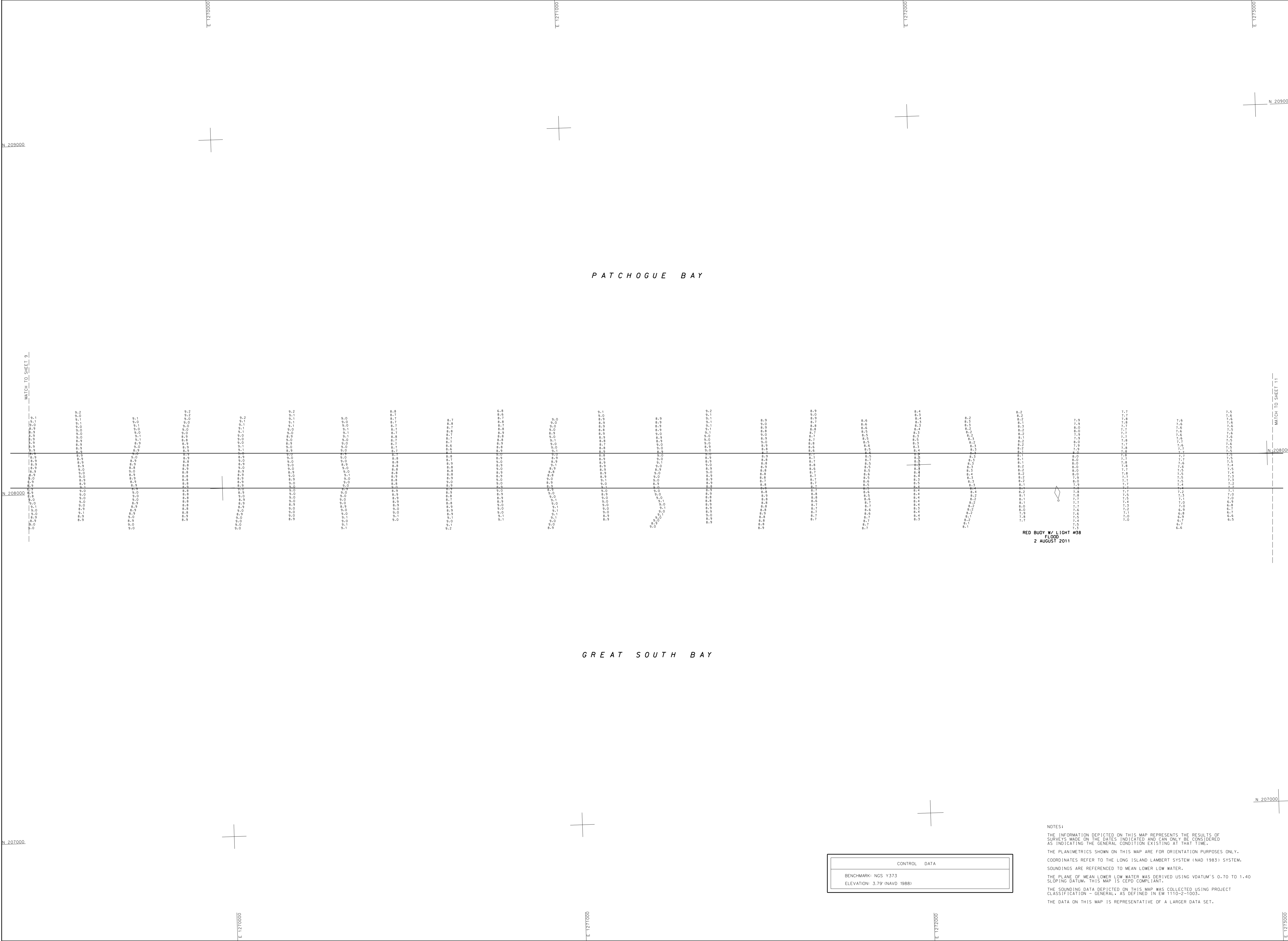
PATCHOGUE BAY

GREAT SOUTH BAY

GREEN CAN #37  
FLOOD  
2 AUGUST 2011

CONTROL DATA  
BENCHMARK: NGS Y373  
ELEVATION: 3.79' (NAVD 1988)

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



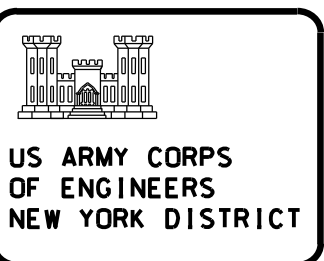
PATCHOGUE BAY

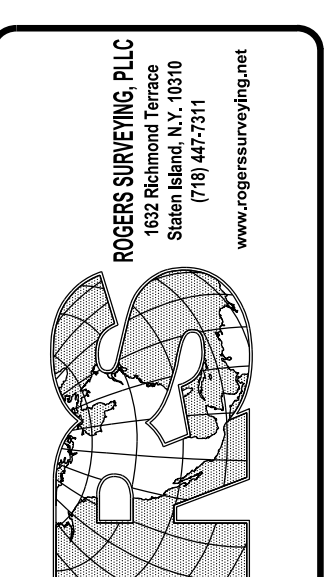
GREAT SOUTH BAY

RED BUOY W/ LIGHT #38  
FLOOD  
2 AUGUST 2011

CONTROL DATA  
BENCHMARK: NGS Y373  
ELEVATION: 3.79 (NAVD 1988)

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
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THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.



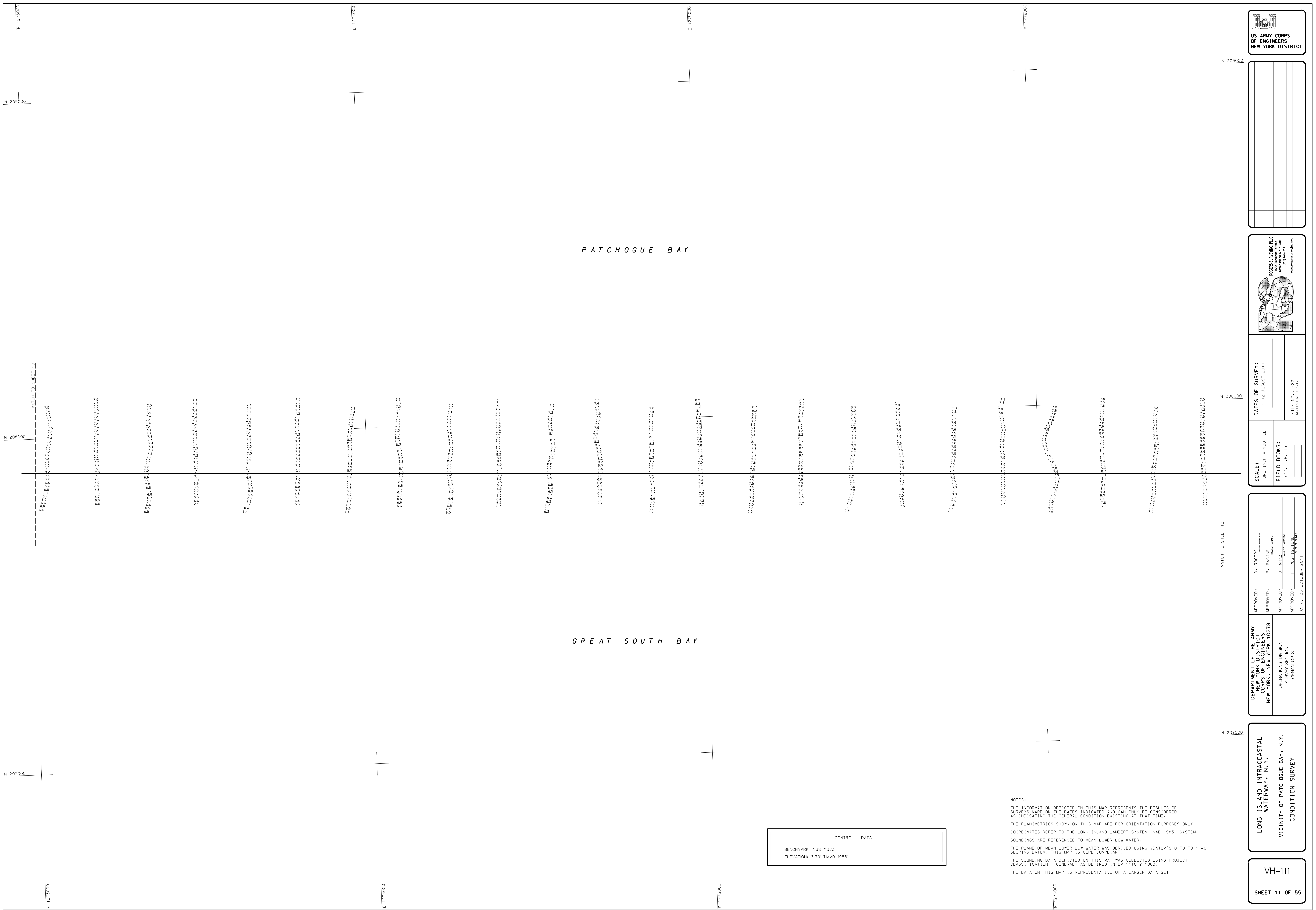
DATES OF SURVEY:  
1-12 AUGUST 2011  
FIELD BOOKS:  
722-1, 15  
SCALE:  
ONE INCH = 100 FEET  
FILE NO.: 1 222  
REQUEST NO.: 3171

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK DISTRICT  
OPERATIONS DIVISION  
SURVEYING SECTION  
CENAN-CDS  
APPROVED: [Signature]  
APPROVED: [Signature]  
APPROVED: [Signature]  
DATE: 15 OCTOBER 2011

LONG ISLAND INTRACASTAL WATERWAY - N.Y.  
VICINITY OF PATCHOGUE - N.Y.  
CONDITION SURVEY

PATCHOGUE BAY

GREAT SOUTH BAY



CONTROL DATA  
BENCHMARK: NY 373  
ELEVATION: 3.79' (NAVD 1988)

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
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THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

U. S. ARMY  
CORPS OF ENGINEERS  
NEW YORK DISTRICT

ROBERTS SURVEYING S.L.C.  
180 Rockaway Landing  
Station  
(718) 462-2111  
[www.robertssurveying.com](http://www.robertssurveying.com)

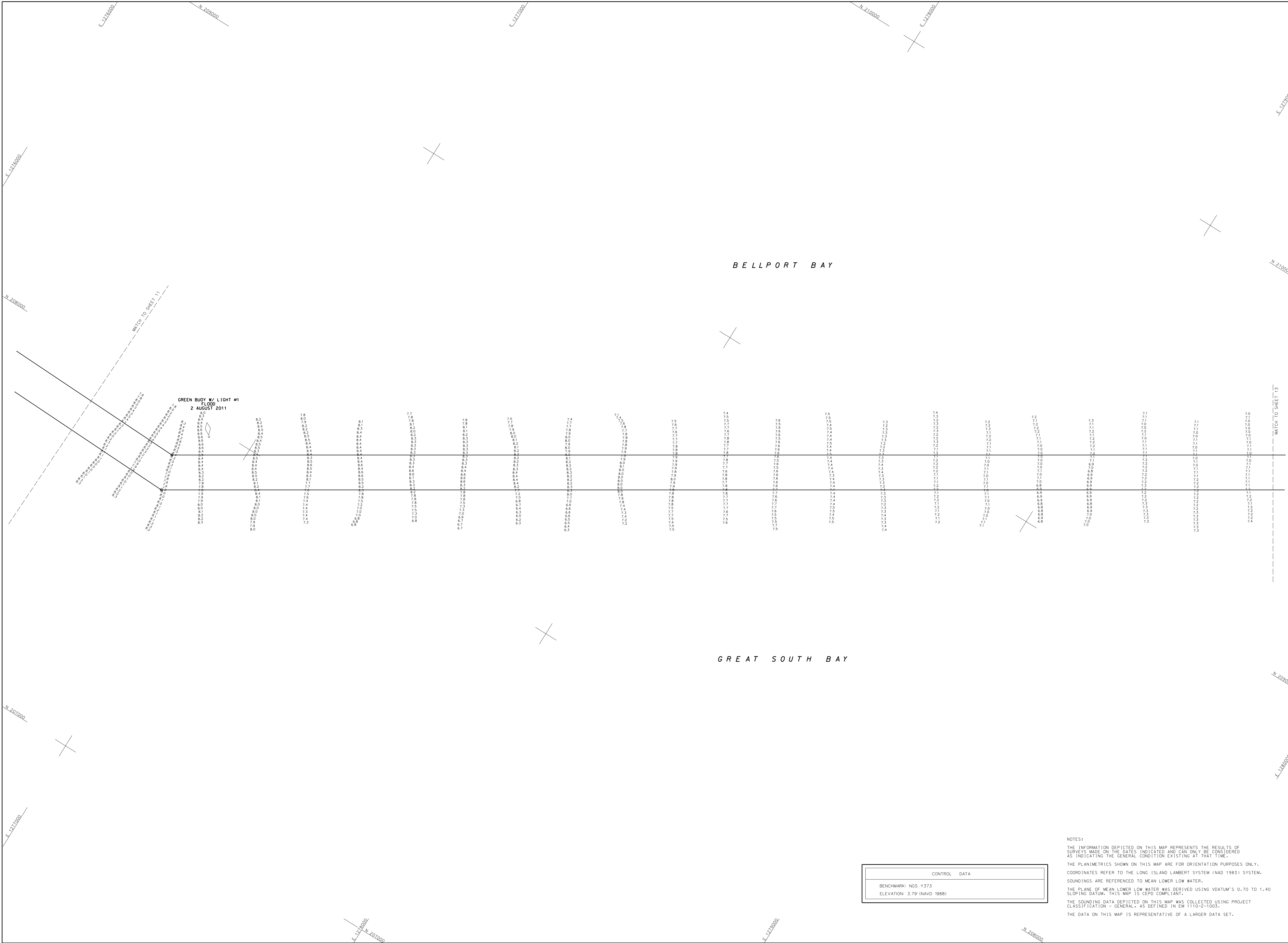
DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK DISTRICT  
OPERATIONS DIVISION  
SOUNDING ON  
GENERAL-OPS

LONG ISLAND INTRACOASTAL WATERWAY, N. Y.  
VICINITY OF PATCHOGUE BAY, N. Y.  
CONDITION SURVEY

VH-111

SHEET 11 OF 55

SCALES: 1:25,000  
DATE OF SURVEY: 1-12, AUGUST 2011  
FIELD BOOKS: 722-1-15, 722-1-16



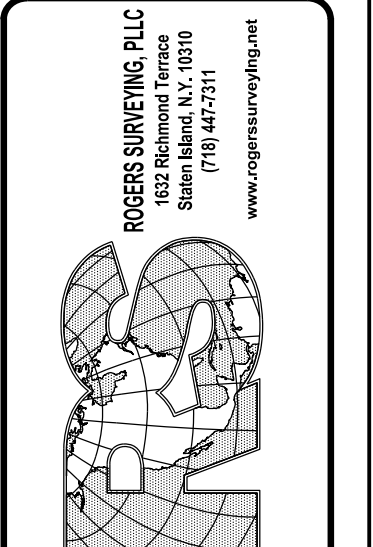
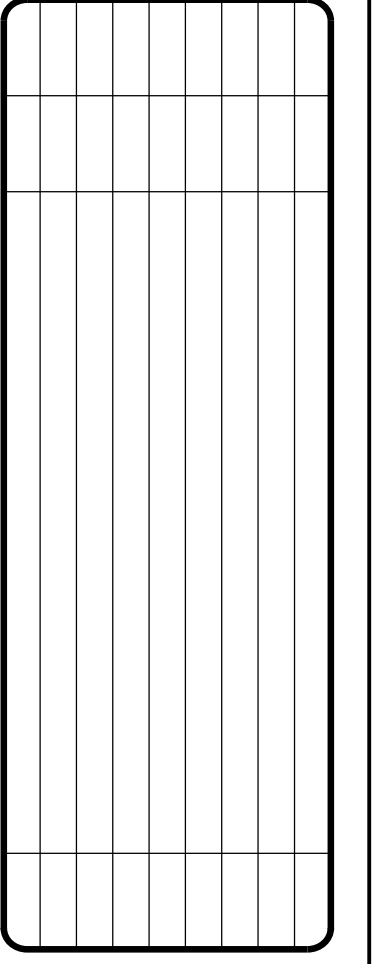
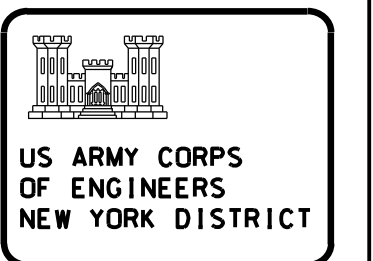
GREEN BUDY W/ LIGHT #1  
FLOOD  
2 AUGUST 2011

BELLPORT BAY

GREAT SOUTH BAY

CONTROL DATA	
BENCHMARK:	NGS Y373
ELEVATION:	3.79' (NAVD 1988)

NOTES:  
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 COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
 SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
 THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLOPING DATUM. THIS MAP IS CEPD COMPLIANT.  
 THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
 THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.



DATE OF SURVEY:  
1-12 AUGUST 2011

SCALE:  
ONE INCH = 100 FEET

FIELD BOOKS:  
772-1-S-15

FILE NO.: 222  
SHEET NO.: 211

APPROVED: D. ROGERS (Survey Director)  
P. BACINE (Project Manager)  
APPROVED: J. MBZ (Surveyor)  
APPROVED: F. POSILIGLIONE (one of four)

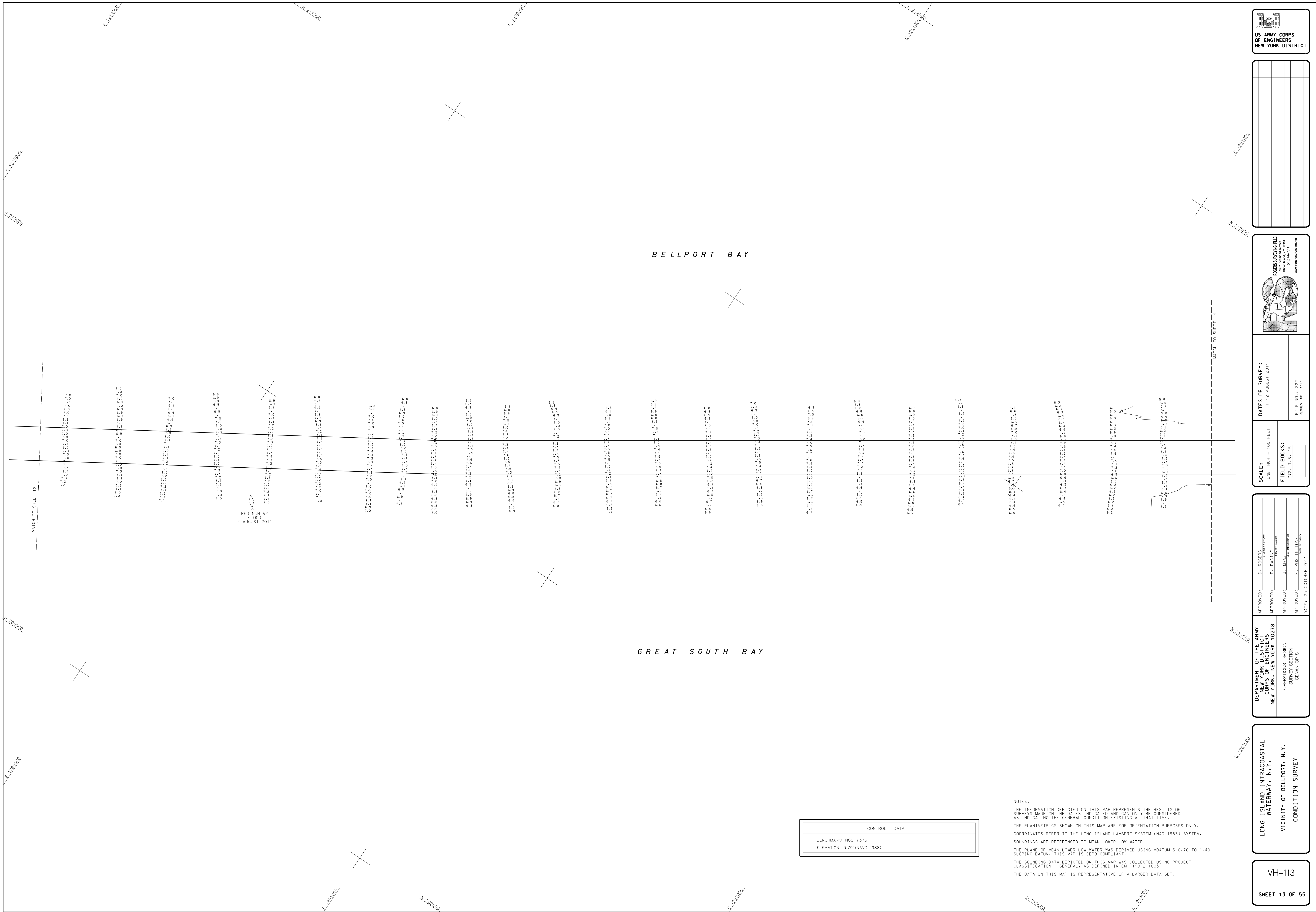
DATE: 25 OCTOBER 2011

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

OPERATIONS DIVISION  
SURVEY SECTION  
CENAN-CO-3

LONG ISLAND INTRACOASTAL WATERWAY, N.Y.  
VICINITY OF BELLPORT BAY, N.Y.  
CONDITION SURVEY

VH-112  
SHEET 12 OF 55



BELLPORT BAY

GREAT SOUTH BAY

RED NUN #2  
FLOOD  
2 AUGUST 2011

CONTROL DATA	
BENCHMARK: NGS Y373	
ELEVATION: 3.79 (NAVD 1988)	

NOTES:  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
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 SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
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 THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
 THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

**US ARMY CORPS OF ENGINEERS  
NEW YORK DISTRICT**

---

**ROGERS SURVEYING & CONSULTING**  
100 Boulevard Avenue  
Stamford, NY 10441  
(914) 351-1111  
www.rogerssurveying.com

---

**DATES OF SURVEY:**  
1-12 AUGUST 2011

**SCALE:**  
ONE INCH = 100 FEET

**FIELD BOOKS:**  
722-115-15

---

**APPROVED:** D. ROGERS, DISTRICT ENGINEER  
 APPROVED: P. BACINE, DISTRICT ENGINEER  
 APPROVED: J. MATHIAS, DISTRICT ENGINEER  
 APPROVED: F. POSTILLONE, DISTRICT ENGINEER  
 DATE: 15 OCTOBER 2011

---

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

**OPERATIONS DIVISION  
SOUNDING SECTION  
CERAN-CO-5**

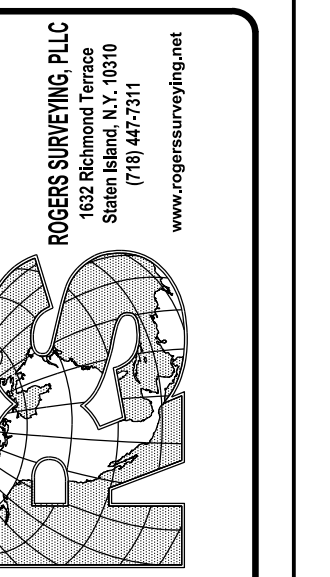
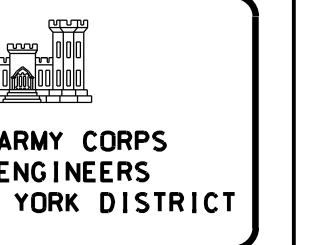
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**LONG ISLAND INTRACOASTAL WATERWAY - N. Y.  
VICINITY OF BELLPORT - N. Y.  
CONDITION SURVEY**

---

**VH-113**

**SHEET 13 OF 55**



**DATES OF SURVEY:**  
1-12 AUGUST 2011

**FIELD BOOKS:**  
722-1, 15, 15

FILE NO.: 1 222  
PROJECT NO.: 3171

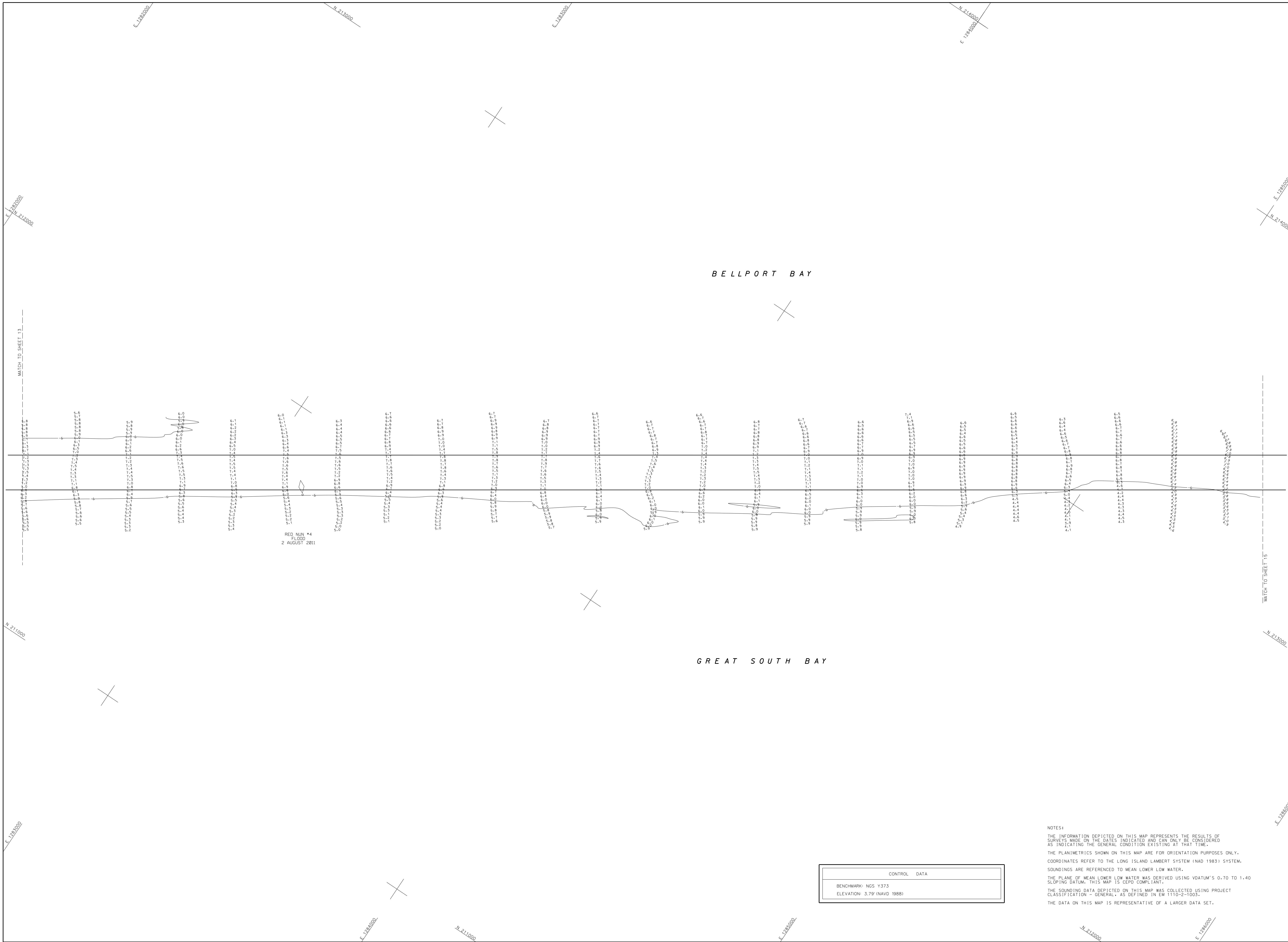
**APPROVED:** D. ROGERS, DISTRICT SURVEY SUPERVISOR  
P. SACILE, PROJECT MANAGER  
J. McILROY, FIELD SUPERVISOR  
F. POSILOJINE, CHIEF OF PARTY  
DATE: 15 OCTOBER 2011

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

OPERATIONS DIVISION  
SURVEY SECTION  
CERAN-CP2S

**LONG ISLAND INTRACOASTAL  
WATERWAY - N. Y.  
VICINITY OF BELLPORT - N. Y.  
CONDITION SURVEY**

**VH-114  
SHEET 14 OF 55**



CONTROL DATA	
BENCHMARK: NGS Y373	ELEVATION: 3.79 (NAVD 1988)

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

BELLPORT BAY

GREAT SOUTH BAY

RED BUOY W/ LIGHT #6  
FLOOD  
2 AUGUST 2011

CONTROL DATA  
BENCHMARK: NGS Y373  
ELEVATION: 3.79' (NAVD 1988)

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

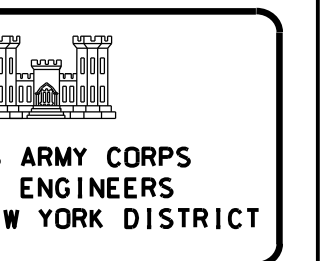
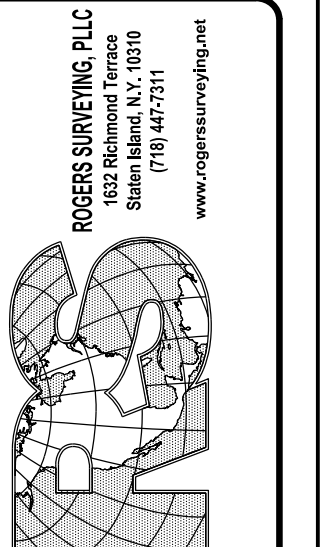


Table with 10 columns and 10 rows, likely a grid or data table.



RODERS SURVEYING & CONSULTING  
100 Boulevard Towers  
Stamford, NY 10270  
www.rodersony.com

SCALE: ONE INCH = 100 FEET  
FIELD BOOKS: 752, 158, 15

APPROVED: D. RODERS  
APPROVED: P. BACINE  
APPROVED: J. WILSON  
APPROVED: F. POSILIGONE  
DATE: 15 OCTOBER 2011

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK, NEW YORK 10278  
OPERATIONS DIVISION  
SOUNDING DIVISION  
CERAN-CP-8

LONG ISLAND INTRACOASTAL WATERWAY, N. Y.  
VICINITY OF BELLPORT, N. Y.  
CONDITION SURVEY

VH-115  
SHEET 15 OF 55





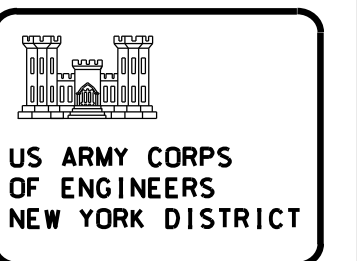
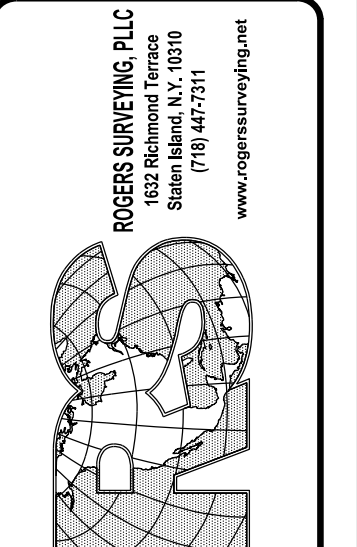


Table with 10 columns and 10 rows, likely a grid or index table.



DATES OF SURVEY: 1-12 AUGUST 2011  
FIELD BOOKS: 722-1, 15, 16

SCALE: ONE INCH = 100 FEET  
FIELD BOOKS: 722-1, 15, 16

APPROVED: D. ROGERS  
P. BACINE  
J. M...  
F. POSTILLONE  
DATE: 25 OCTOBER 2011

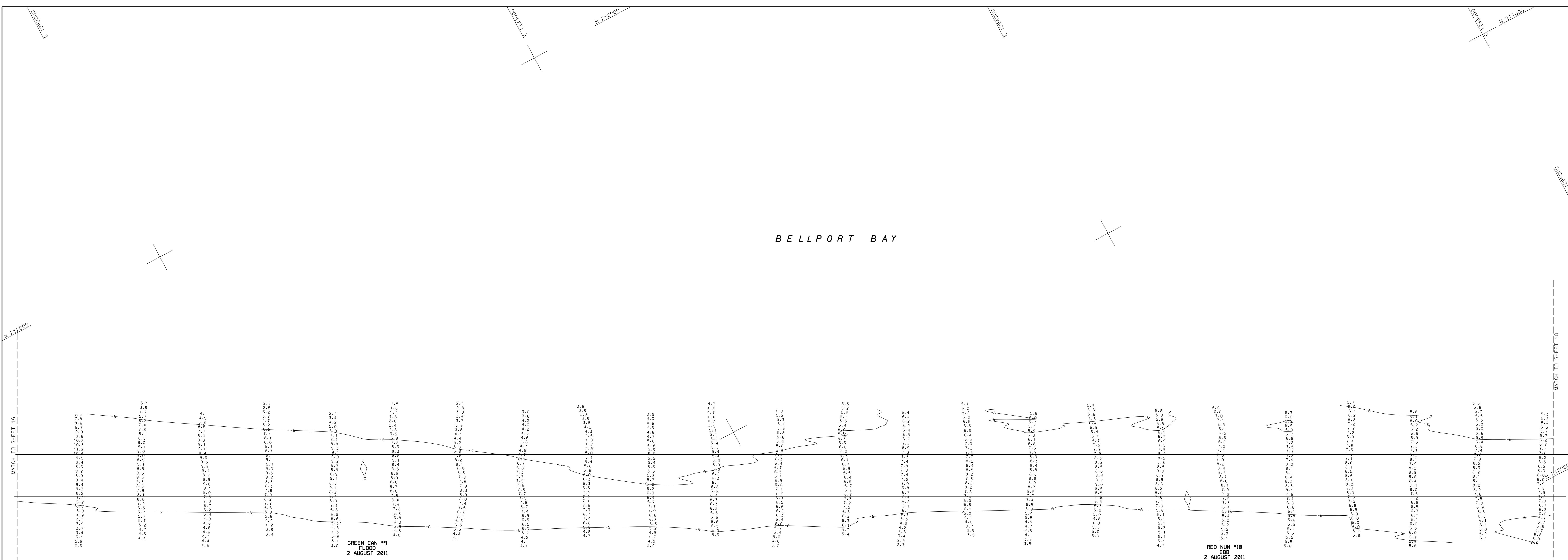
DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK DISTRICT  
OPERATIONS DIVISION  
SOUNDINGS SECTION  
CERAN-COS

LONG ISLAND INTRACOASTAL WATERWAY, N. Y.  
VICINITY OF BELLPORT BAY, N. Y.  
CONDITION SURVEY

VH-117  
SHEET 17 OF 55

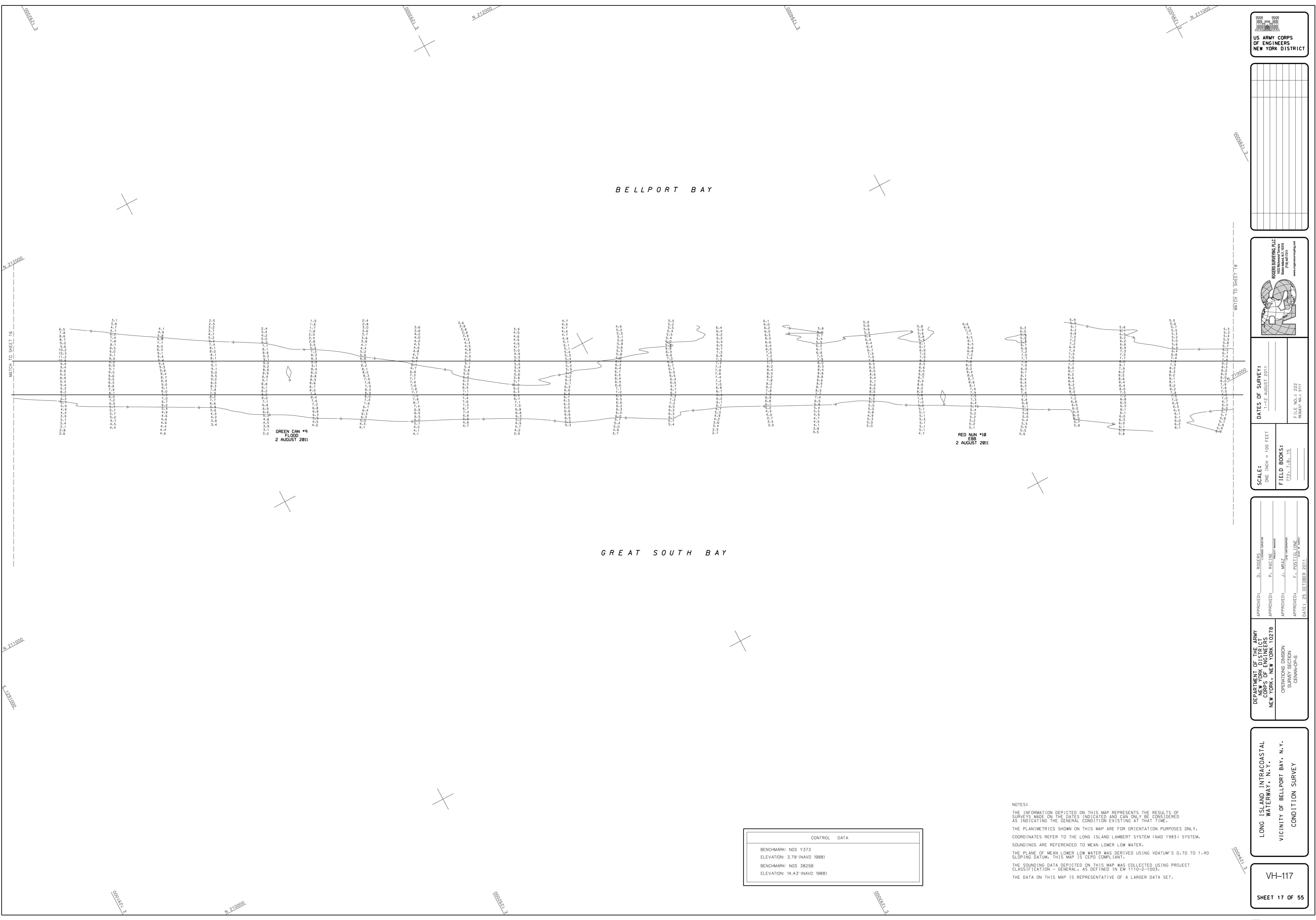
BELLPORT BAY

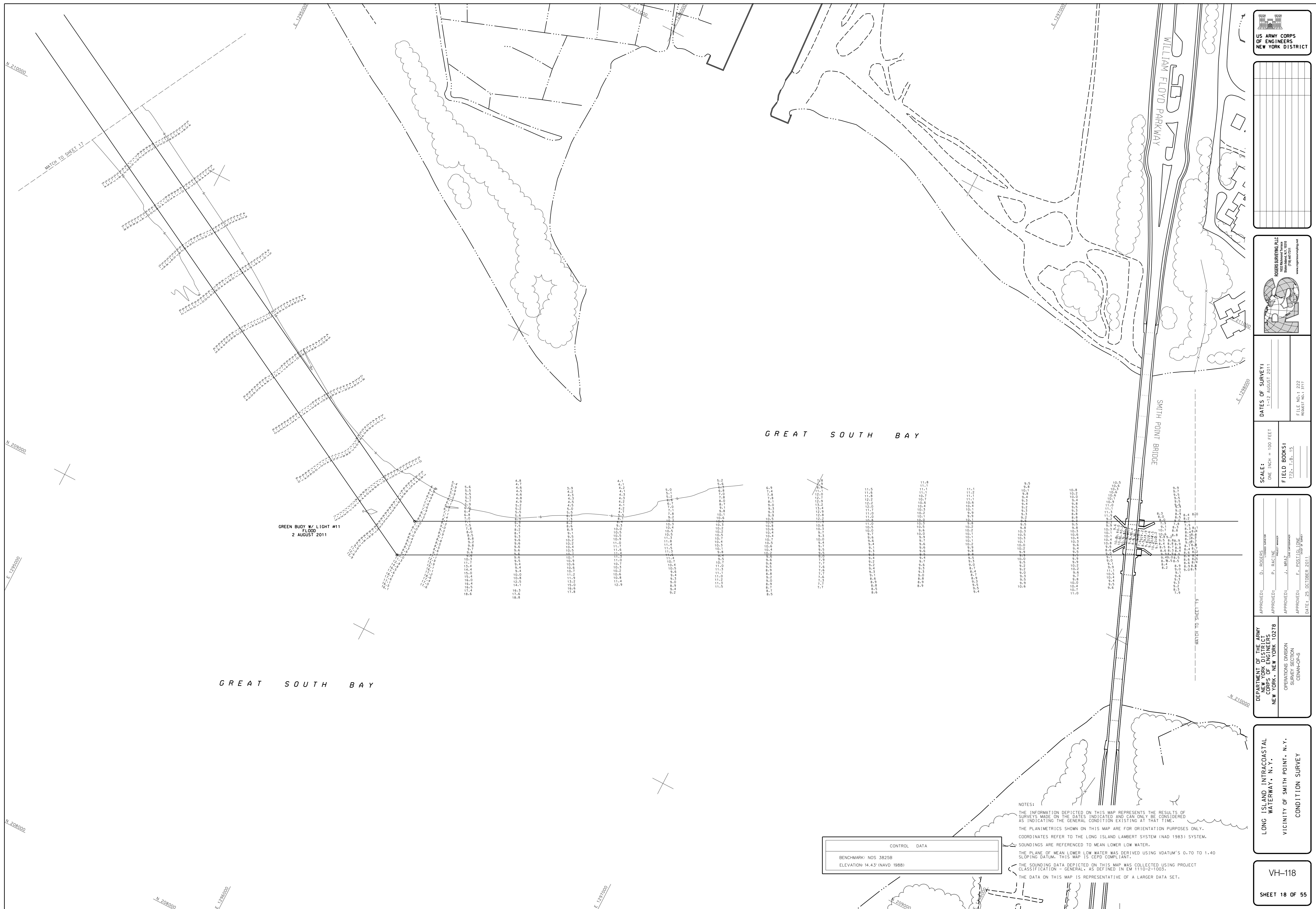
GREAT SOUTH BAY



CONTROL DATA	
BENCHMARK: NGS Y373	ELEVATION: 3.79' (NAVD 1988)
BENCHMARK: NOS 3825B	ELEVATION: 14.43' (NAVD 1988)

NOTES:  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
 THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
 COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
 SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
 THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING DATUM'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS CERO COMPLIANT.  
 THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
 THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.





G R E A T S O U T H B A Y

G R E A T S O U T H B A Y

CONTROL DATA  
 BENCHMARK: NOS 3825B  
 ELEVATION: 14.43 (NAVD 1988)

NOTES:  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
 THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
 COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
 SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
 THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLOPING DATUM. THIS MAP IS CEPD COMPLIANT.  
 THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
 THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

U.S. ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

---

ROBERTS SURVEYING S.L.C.  
 100 Hickwood Terrace  
 Staten Island, NY 10312  
 (718) 642-2211  
 www.robertssurvey.com

DATES OF SURVEY:  
 1-12 AUGUST 2011

---

SCALE:  
 ONE INCH = 100 FEET

FIELD BOOKS:  
 1722, 1723, 15

FILE NO.: 222  
 REBENT NO.: 217

---

APPROVED: *[Signature]*  
 P. JACKLINE  
 DISTRICT ENGINEER

APPROVED: *[Signature]*  
 J. WATSON  
 DISTRICT ENGINEER

APPROVED: *[Signature]*  
 F. FOSTER  
 DISTRICT ENGINEER

DATE: 25 OCTOBER 2011

---

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

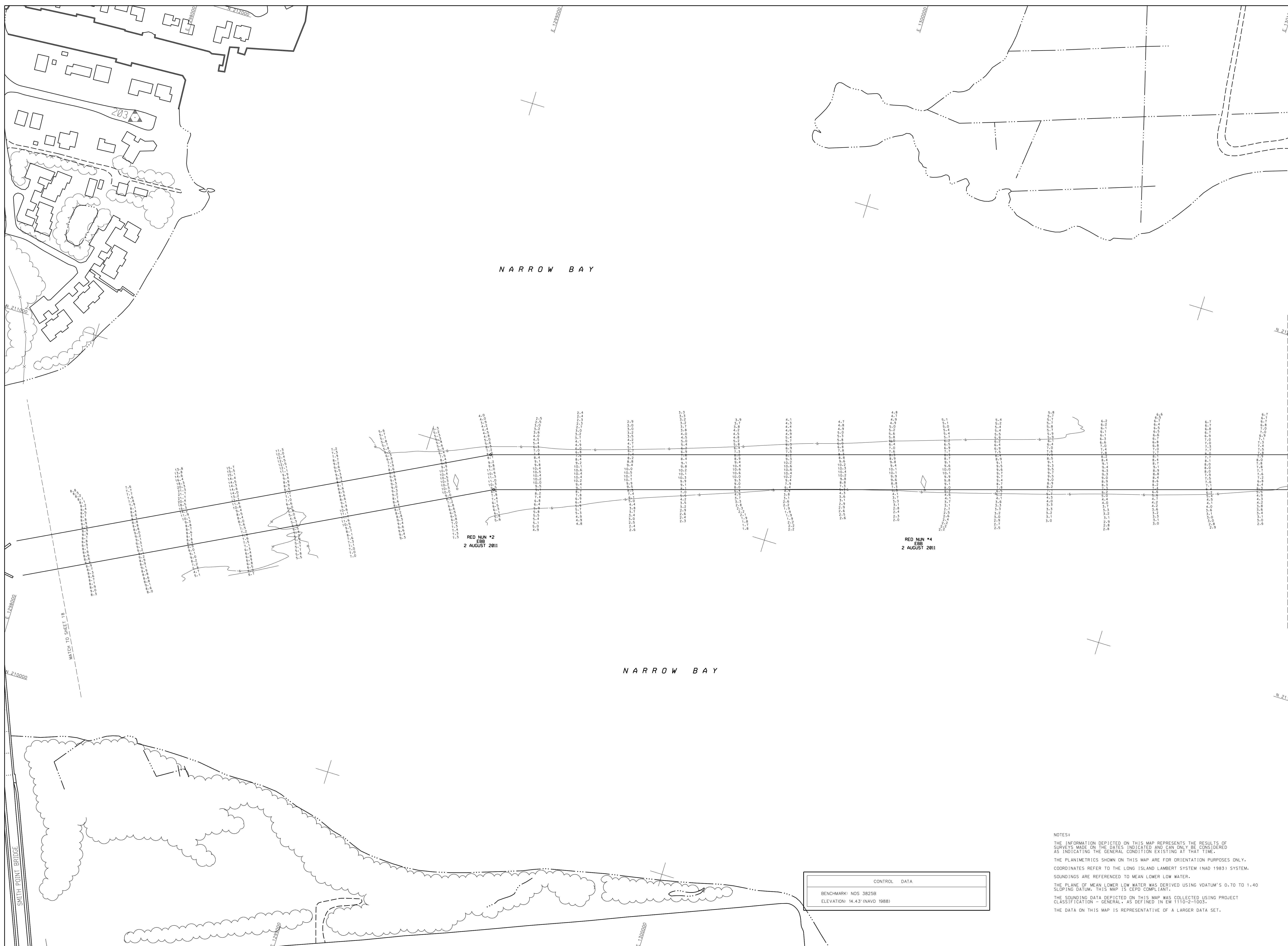
OPERATIONS DIVISION  
 SURVEY BRANCH  
 CENAN-CPUS

VH-118

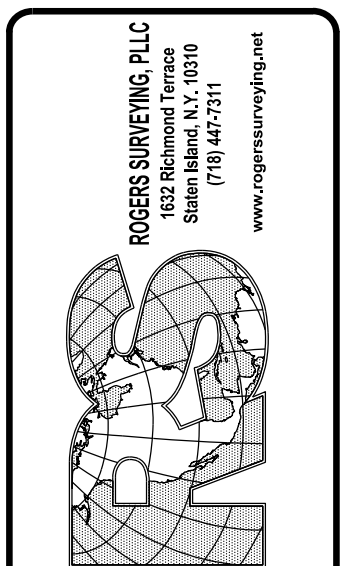
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LONG ISLAND INTRACOASTAL WATERWAY, N. Y.  
 VICINITY OF SMITH POINT, N. Y.  
 CONDITION SURVEY

SHEET 18 OF 55



US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

DATES OF SURVEY:  
 1-12 AUGUST 2011

SCALE:  
 ONE INCH = 100 FEET

FIELD BOOKS:  
 722-1, 15

FILE NO.: 222  
 REQUEST NO.: 2171

APPROVED: D. ROGERS  
 APPROVED: P. BACINE  
 APPROVED: J. WALKER  
 APPROVED: F. FOSTELONE

OPERATIONS DIVISION  
 SOUTH AMERICAN  
 CERNAN-CGS

DATE: 25 OCTOBER 2011

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

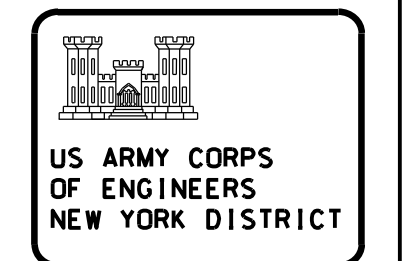
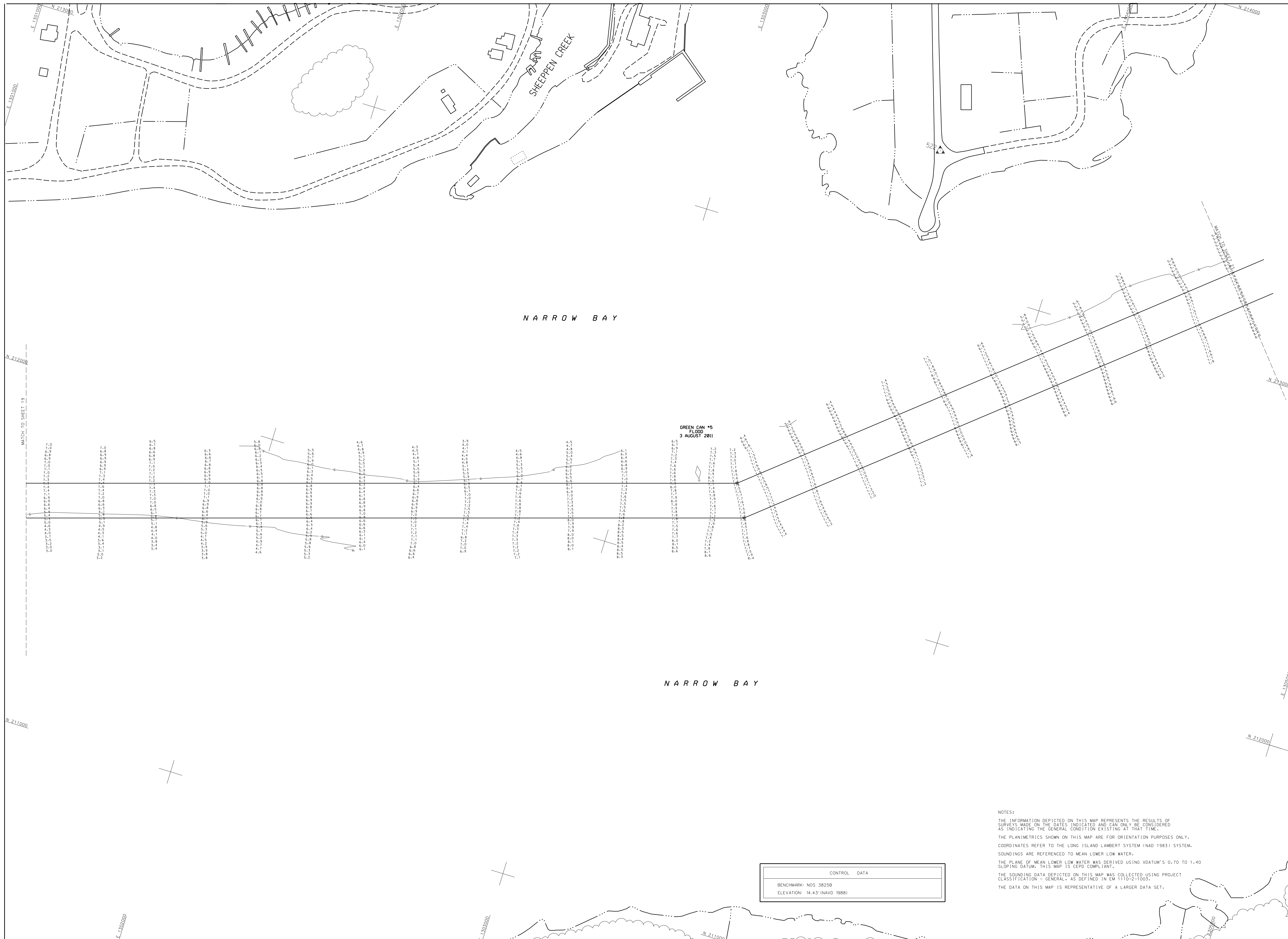
LONG ISLAND INTRACOASTAL WATERWAY, N.Y.  
 VICINITY OF NARROW BAY, N.Y.  
 CONDITION SURVEY

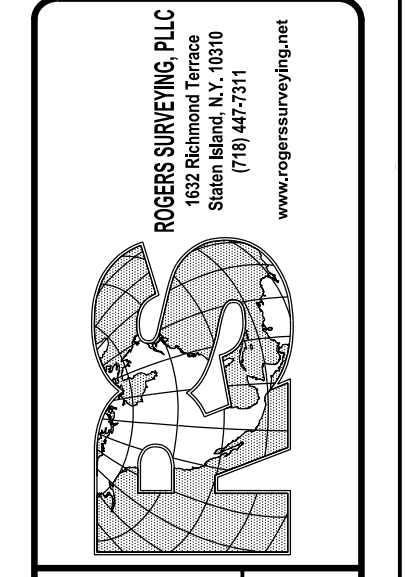
LONG ISLAND INTRACOASTAL WATERWAY, N.Y.  
 VICINITY OF NARROW BAY, N.Y.  
 CONDITION SURVEY

VH-119  
 SHEET 19 OF 55

NOTES:  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
 THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
 COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
 SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
 THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLOPING DATUM. THIS MAP IS CEQO COMPLIANT.  
 THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
 THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

CONTROL DATA	
BENCHMARK:	NDS 3825B
ELEVATION:	14.43 (NAVD 1988)



**DATES OF SURVEY:**  
1-12 AUGUST 2011

**SCALE:**  
ONE INCH = 100 FEET

**FIELD BOOKS:**  
1722, 1753, 15

**FILE NO.:** 222  
**PROJECT NO.:** 8117

**APPROVED:**  
D. RODERS  
P. BACLINE  
J. MATHIAS  
F. FOSTER

**DATE:** 25 OCTOBER 2011

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

**OPERATIONS DIVISION  
SOUTH OCEAN DIVISION  
CERAM-CP&S**


**LONG ISLAND INTRACOASTAL  
WATERWAY - N. Y.  
VICINITY OF MASTIC BEACH, N. Y.  
CONDITION SURVEY**

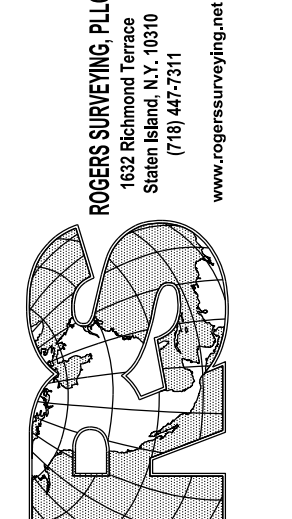
**VH-120  
SHEET 20 OF 55**

**NOTES:**  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLUING DATUM. THIS MAP IS CEPD COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

**CONTROL DATA**  
BENCHMARK: NOS 3825B  
ELEVATION: 14.43 (NAVD 1988)




  
 U. S. ARMY CORPS OF ENGINEERS  
 NEW YORK DISTRICT


  
 ROGERS SURVEYING & CONSULTING  
 100 Boulevard Foch  
 Ste 200  
 Manhattan, NY 10022

**DATES OF SURVEY:**  
 1-12 AUGUST 2011

**SCALE:**  
 ONE INCH = 100 FEET

**FIELD BOOKS:**  
 1722-1-15

**FILE NO.:** 1 222  
**PROJECT NO.:** 3171

**APPROVED:** D. ROGERS  
 DISTRICT ENGINEER

**APPROVED:** P. BACINE  
 PROJECT MANAGER

**APPROVED:** J. MITCHELL  
 MAP EXAMINER

**APPROVED:** F. POSTILLONE  
 CHIEF OF PARTY

DATE: 25 OCTOBER 2011

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

OPERATIONS DIVISION  
 CIVIL ENGINEERING  
 CERAN-CP-28

**LONG ISLAND INTRACOASTAL WATERWAY, N. Y.**  
**VICINITY OF MASTIC BEACH, N. Y.**  
**CONDITION SURVEY**

**VH-121**

**SHEET 21 OF 55**

CONTROL DATA	
BENCHMARK:	NDS 3825B
ELEVATION:	14.43' (NAVD 1988)

**RED NUM #6**  
**FLOOD**  
**3 AUGUST 2011**

**NOTES:**  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
 THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
 THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLOPING DATUM. THIS MAP IS CEPD COMPLIANT.  
 THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
 THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

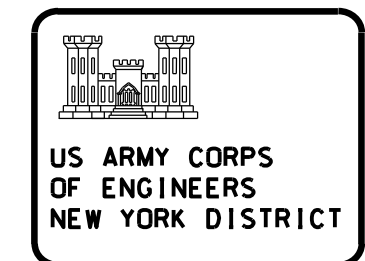
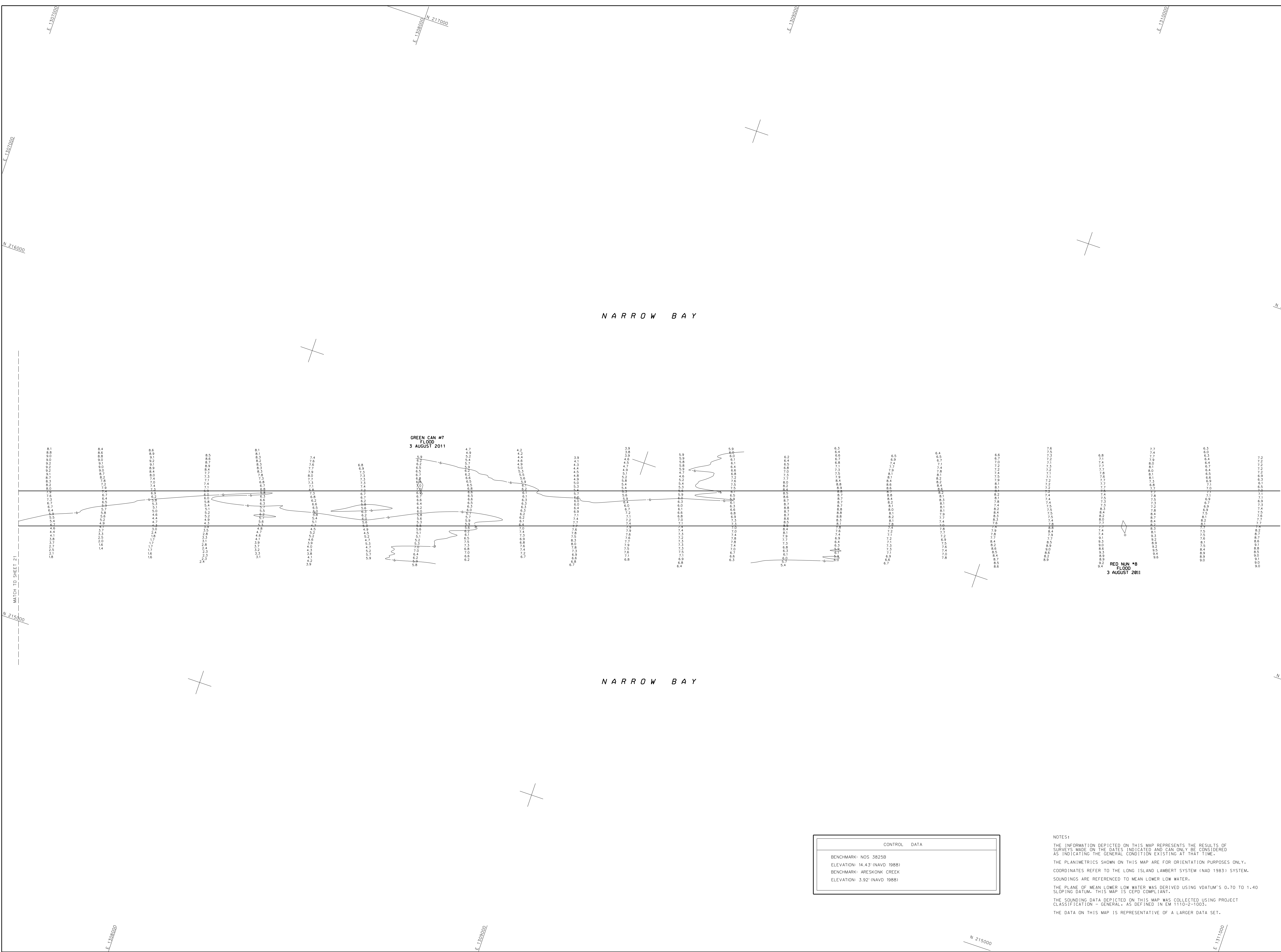
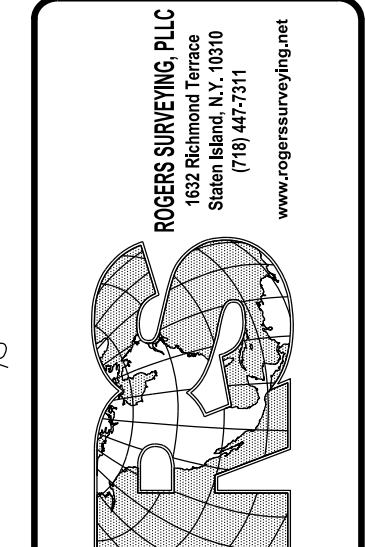


Table with 3 columns and 15 rows, likely a data table or schedule.



**DATES OF SURVEY:**  
1-12 AUGUST 2011

**FILE NO.:** 222  
**PROJECT NO.:** 1711

**SCALE:** ONE INCH = 100 FEET

**FIELD BOOKS:**  
7122-1, 15

**APPROVED:** D. ROGERS, DISTRICT ENGINEER  
APPROVED: P. BACINE, REGIONAL ENGINEER  
APPROVED: J. MATA, DISTRICT SURVEYOR  
APPROVED: F. FOSLOGIONE, CHIEF OF PARTY  
DATE: 25 OCTOBER 2011

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

OPERATIONS DIVISION  
SOUNDINGS SECTION  
CERAN-OPS

**LONG ISLAND INTRACASTAL WATERWAY, N. Y.**  
**VICINITY OF FORGE POINT, N. Y.**  
**CONDITION SURVEY**

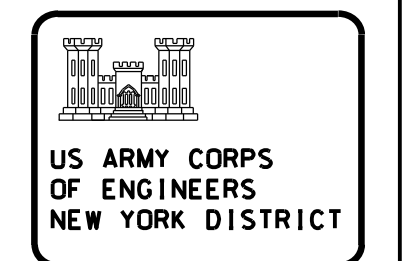
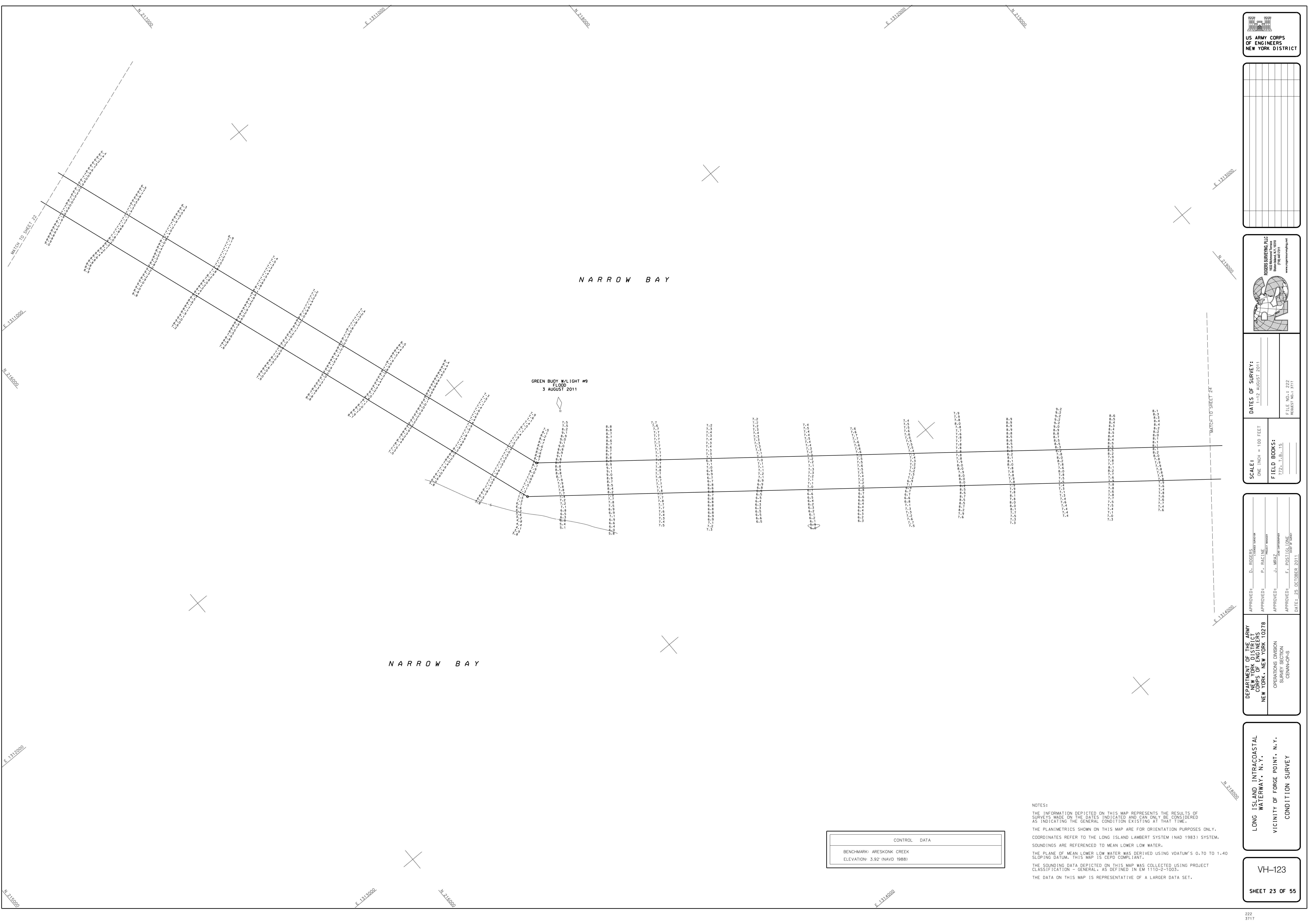
**VH-122**

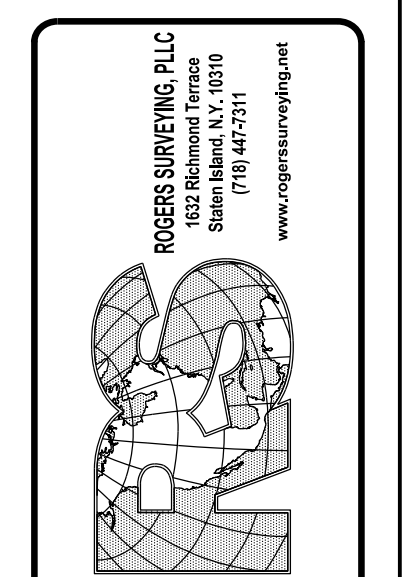
**SHEET 22 OF 55**

**CONTROL DATA**

BENCHMARK: NOS 3825B
ELEVATION: 14.43' (NAVD 1988)
BENCHMARK: ARESKONK CREEK
ELEVATION: 3.92' (NAVD 1988)

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDdatum'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS CEPD COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.



**DATES OF SURVEY:**  
1-2 AUGUST 2011

**FILE NO.:** 222  
**PROJECT NO.:** 3711

**SCALE:**  
ONE INCH = 100 FEET

**FIELD BOOKS:**  
772A, 1, 3B, 15

**APPROVED:** D. ROGERS  
**P. RAJNE**  
**J. W. FOR APPROVED:**  
**F. POSTHOLD**  
**DATE:** 25 OCTOBER 2011

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

**OPERATIONS DIVISION  
NEW YORK OFFICE  
GENERAL OPS**

**LONG ISLAND INTRACOASTAL WATERWAY, N. Y.**  
**VICINITY OF FORGE POINT, N. Y.**  
**CONDITION SURVEY**

**VH-123**

**SHEET 23 OF 55**

**CONTROL DATA**

BENCHMARK: ARESKONK CREEK  
ELEVATION: 3.92' (NAVD 1988)

**NOTES:**

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

THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.

THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLEEPING DATUM. THIS MAP IS CEPD COMPLIANT.

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

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

JL-214000  
E-111000  
JL-216000  
E-111000  
JL-212000  
E-111000

JL-210000  
E-111000  
JL-216000  
E-111000  
JL-212000  
E-111000

JL-210000  
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JL-216000  
E-111000  
JL-212000  
E-111000

JL-210000  
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JL-212000  
E-111000

JL-210000  
E-111000  
JL-216000  
E-111000  
JL-212000  
E-111000



FLOYD POINT

MORICHES BAY

MORICHES BAY

RED #10  
FLOOD  
3 AUGUST 2011

MATCH TO SHEET 23

WATCH TO SHEET 25

CONTROL DATA	
BENCHMARK:	ARESKONK CREEK
ELEVATION:	3.92' (NAVD 1988)

NOTES:

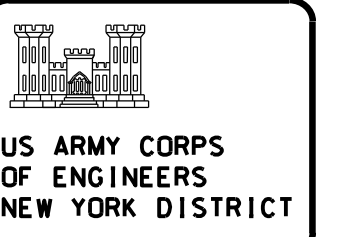
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.

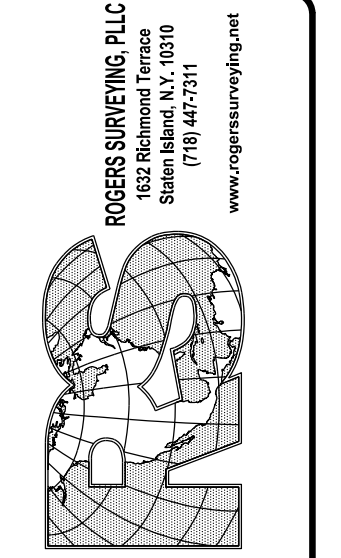
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.

THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLIPING DATUM. THIS MAP IS CETO COMPLIANT.

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

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



<b>DATES OF SURVEY:</b> 1-12 AUGUST 2011	<b>FILE NO.:</b> 222 REQUEST NO.: 211
<b>SCALE:</b> ONE INCH = 100 FEET	
<b>FIELD BOOKS:</b> 1722, 1153, 15	

<b>APPROVED:</b> D. ROGERS DISTRICT ENGINEER	<b>APPROVED:</b> J. WELLS DISTRICT ENGINEER
<b>DATE:</b> 25 OCTOBER 2011	

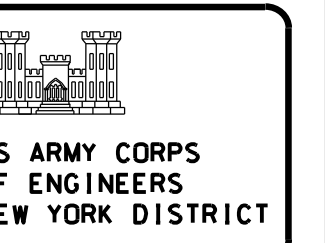
**DEPARTMENT OF THE ARMY**  
**CORPS OF ENGINEERS**  
 NEW YORK DISTRICT  
 NEW YORK, NEW YORK 10278

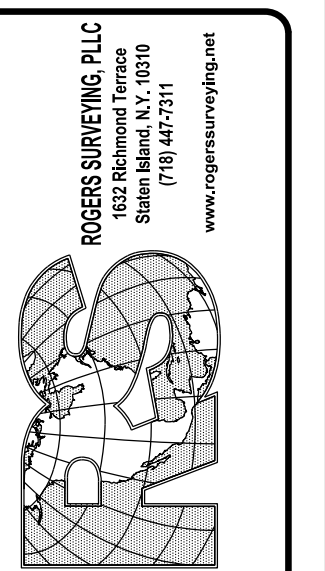
OPERATIONS DIVISION  
 SURVEYING SECTION  
 CERAN-CORP

**LONG ISLAND INTRACOASTAL WATERWAY, N. Y.**  
**VICINITY OF FORGE POINT, N. Y.**  
 CONDITION SURVEY

**VH-124**  
 SHEET 24 OF 55





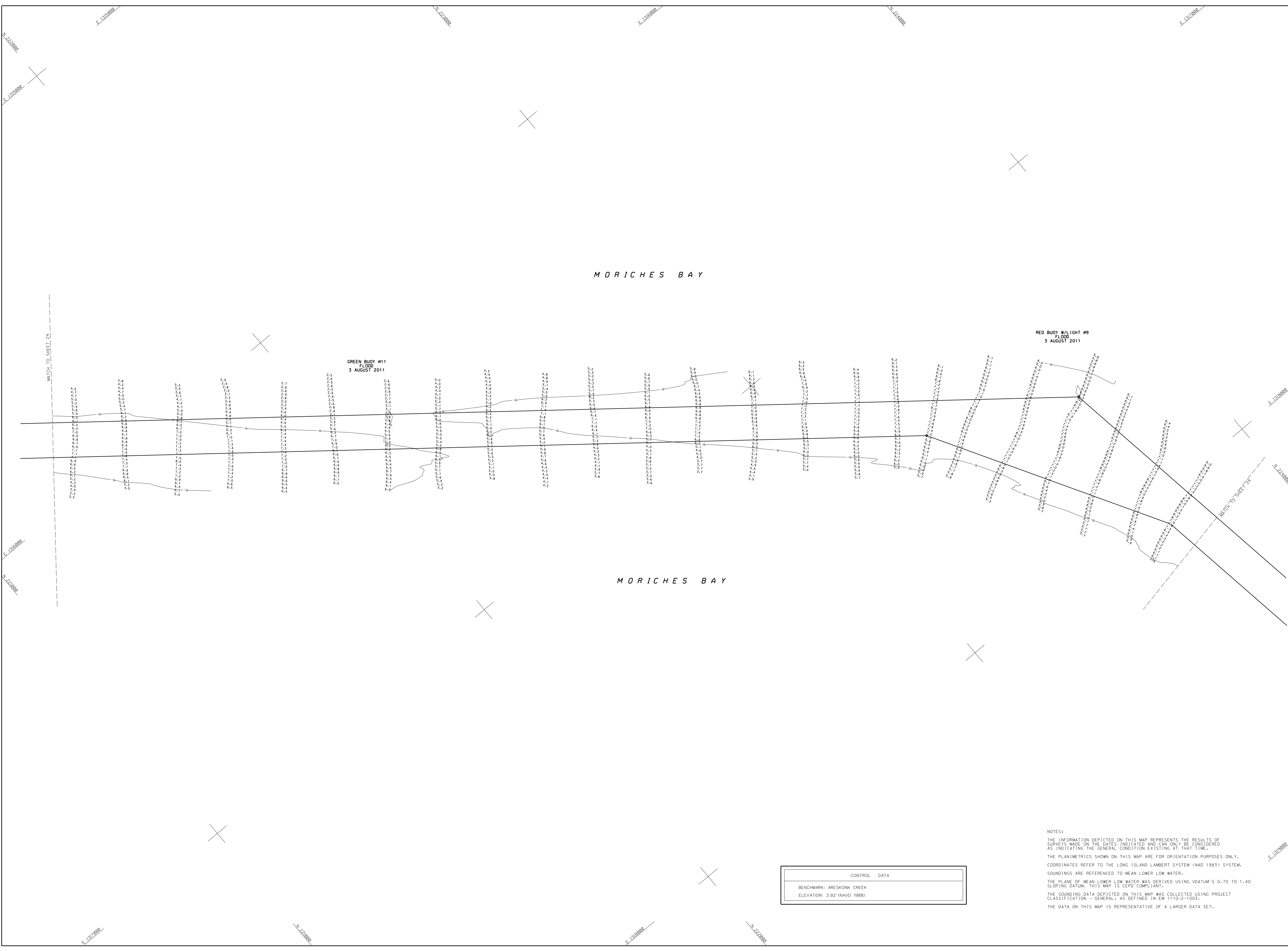



DATES OF SURVEY: 1-12 AUGUST 2011	FIELD BOOKS: 722, 1, 15	SCALE: ONE INCH = 100 FEET
		FILE NO.: 222 PROJECT NO.: 8117

APPROVED: D. RODGERS P. BACLINE J. MOSELEY F. FOSSTIGLIONE	OPERATIONS DIVISION SOUTH ATLANTIC DIVISION CORPS OF ENGINEERS
---	--

LONG ISLAND INTRACOASTAL WATERWAY, N. Y.  
VICINITY OF FORGE POINT, N. Y.  
CONDITION SURVEY

VH-125  
SHEET 25 OF 55



CONTROL DATA
BENCHMARK: ARESKOMK CREEK
ELEVATION: 3.92 (NAVD 1988)

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLOPING DATUM. THIS MAP IS DEFO COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

N 225000

E 1318000

E 1318000

E 1320000

E 1320000

N 225000

N 224000

N 223000

N 224000

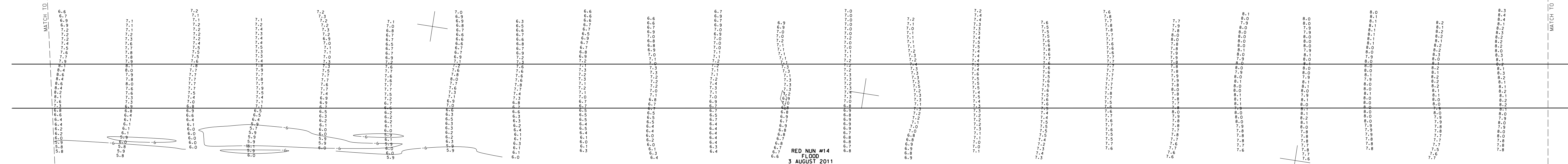
E 1318000

MATCH TO SHEET 25

MATCH TO SHEET 27

MORICHES BAY

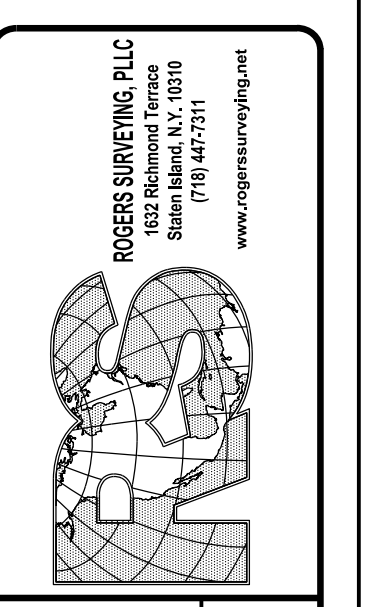
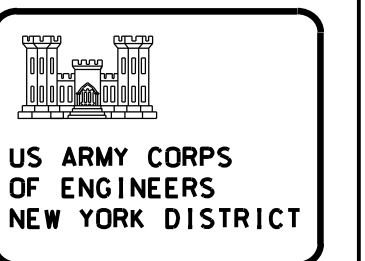
MORICHES BAY



RED DATUM #14  
FLOOD  
3 AUGUST 2011

CONTROL DATA  
BENCHMARK: ARESKONK CREEK  
ELEVATION: 3.92 (NAVD 1988)

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS DEFO COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.



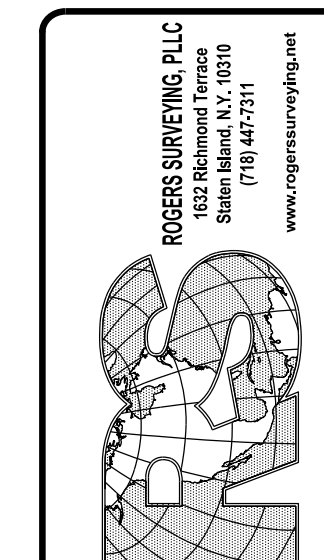
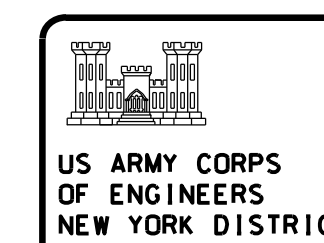
SCALE: ONE INCH = 100 FEET  
FIELD BOOKS: 7322-1, 15, 15  
DATES OF SURVEY: 1-12 AUGUST 2011  
FILE NO.: 222  
REQUEST NO.: 3171

APPROVED: D. ROGERS (DATE: 25 OCTOBER 2011)  
APPROVED: P. BACINE (DATE: 25 OCTOBER 2011)  
APPROVED: J. MULLER (DATE: 25 OCTOBER 2011)  
APPROVED: F. POSTILLONE (DATE: 25 OCTOBER 2011)

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK, NEW YORK 10278  
OPERATIONS DIVISION  
SOUNDING DIVISION  
CERAN-CD-3

LONG ISLAND INTRACOASTAL WATERWAY, N. Y.  
VICINITY OF CENTER MORICHES, N. Y.  
CONDITION SURVEY

VH-126  
SHEET 26 OF 55

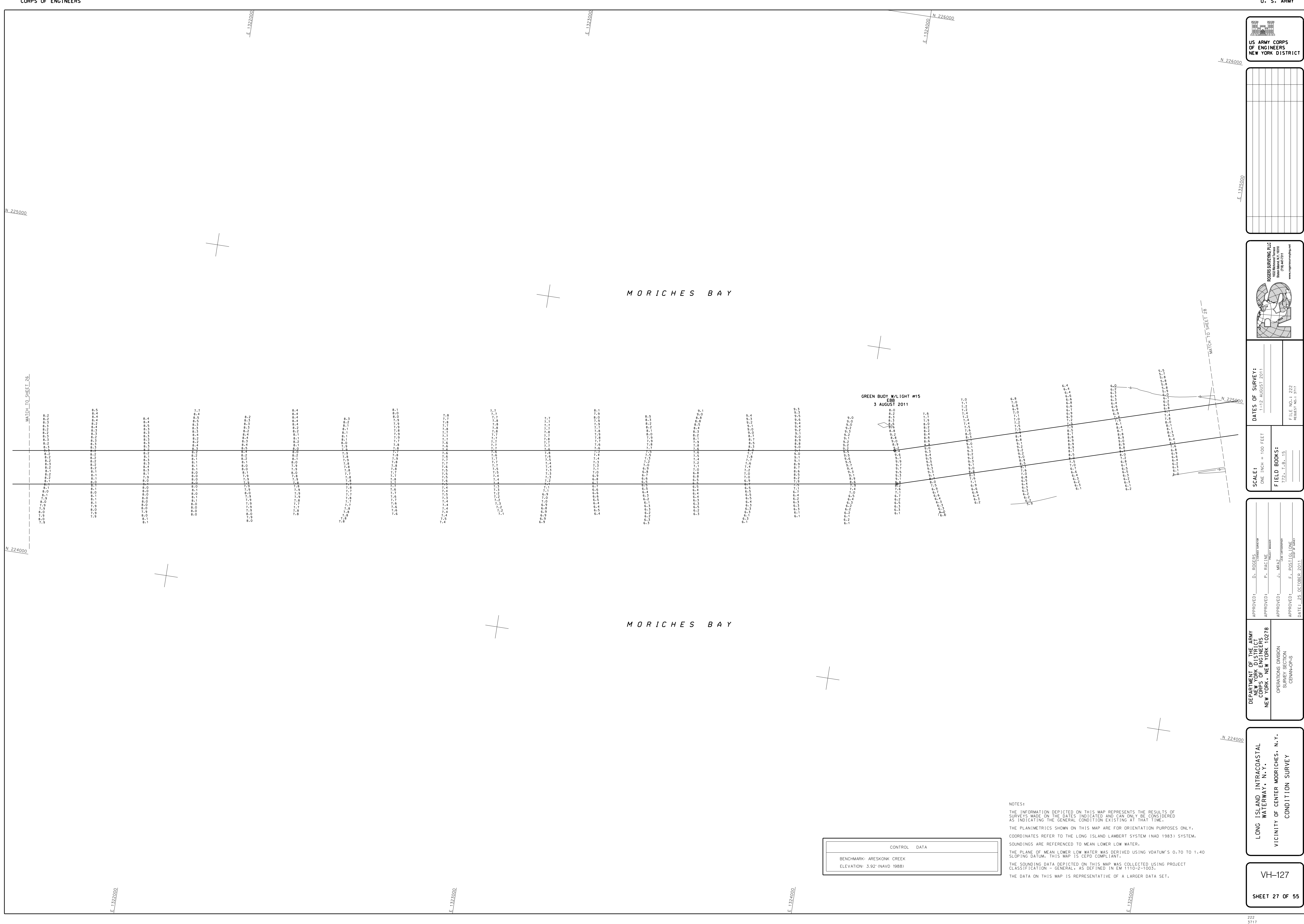


DATE OF SURVEY:  
1-17 AUGUST 2011

SCALE:  
ONE INCH = 100 FEET

FIELD BOOKS:  
732-1-15, 15

FILE NO. 1 222  
PROJECT NO. 1 211



CONTROL DATA	
BENCHMARK: ARESKONK CREEK	
ELEVATION: 3.92 (NAVD 1988)	

NOTES:

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

THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.

THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLOPING DATUM. THIS MAP IS CDDP COMPLIANT.

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

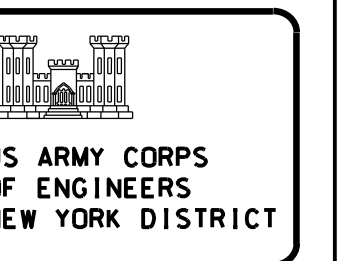
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

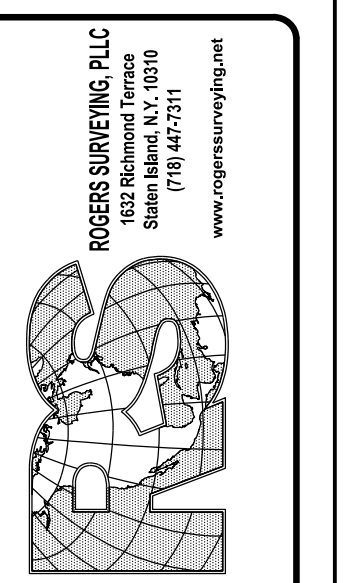
DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK DISTRICT

OPERATIONS DIVISION  
SOUNDING UNIT  
GERMAN-OPS

DATE: 25 OCTOBER 2011

LONG ISLAND INTRACASTAL WATERWAY, N.Y.  
VICINITY OF CENTER MORICHES, N.Y.  
CONDITION SURVEY



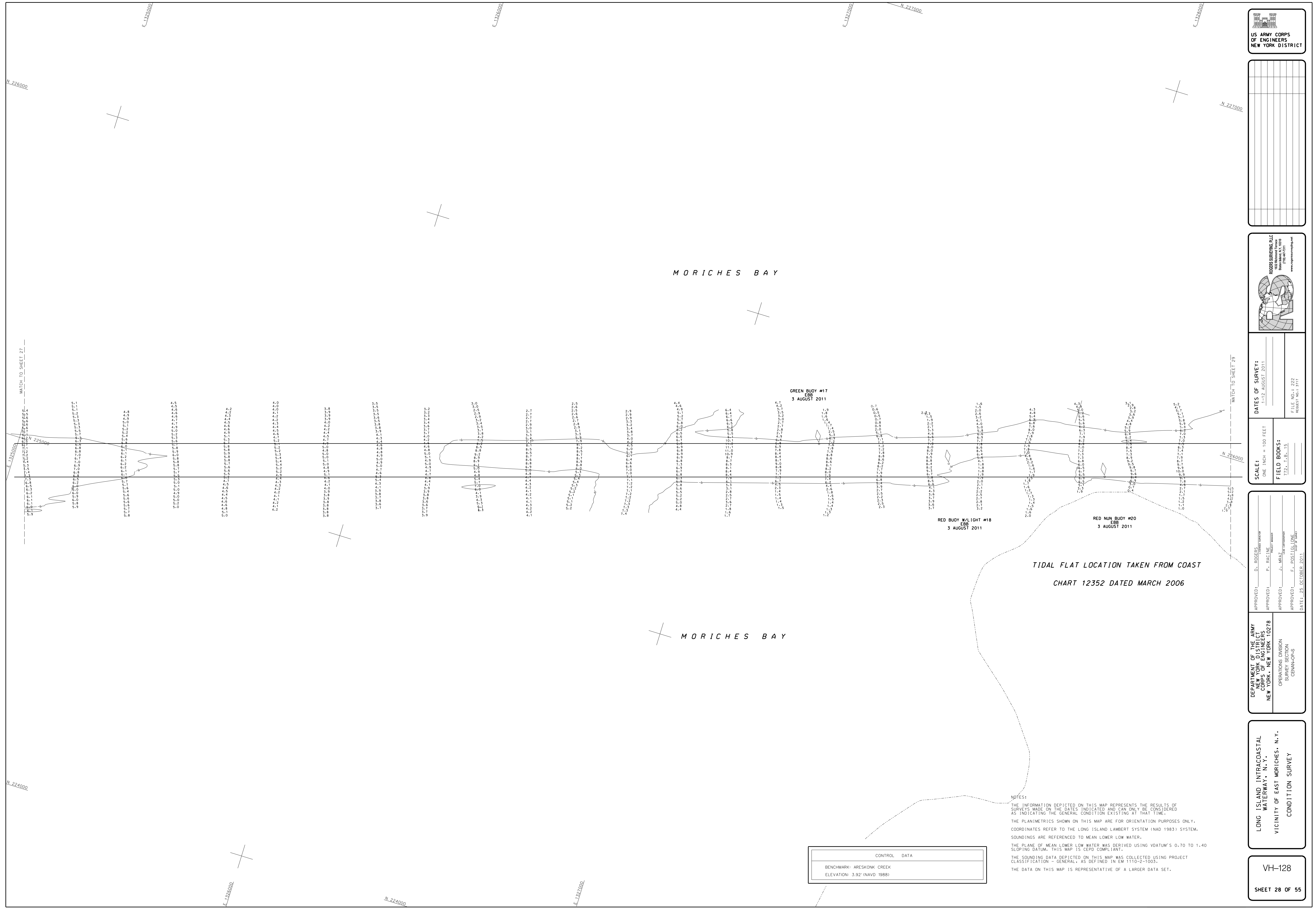
<b>DATES OF SURVEY:</b>	1-12 AUGUST 2011
<b>SCALE:</b>	ONE INCH = 100 FEET
<b>FIELD BOOKS:</b>	1722-1154-15
<b>FILE NO.:</b>	1222
<b>REQUEST NO.:</b>	2111

<b>APPROVED:</b>	D. RODERS DISTRICT ENGINEER
<b>APPROVED:</b>	P. DACINE PROJECT MANAGER
<b>APPROVED:</b>	J. WALLACE OPERATIONS SUPERVISOR
<b>APPROVED:</b>	F. POSTOLONI CHIEF OF PARTY
<b>DATE:</b>	15 OCTOBER 2011

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

**OPERATIONS DIVISION**  
 SCIENTIFIC DIVISION  
 CENRAN-COS

**LONG ISLAND INTRACOASTAL WATERWAY, N. Y.**  
**VICINITY OF EAST MORICHES, N. Y.**  
**CONDITION SURVEY**



**NOTES:**

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

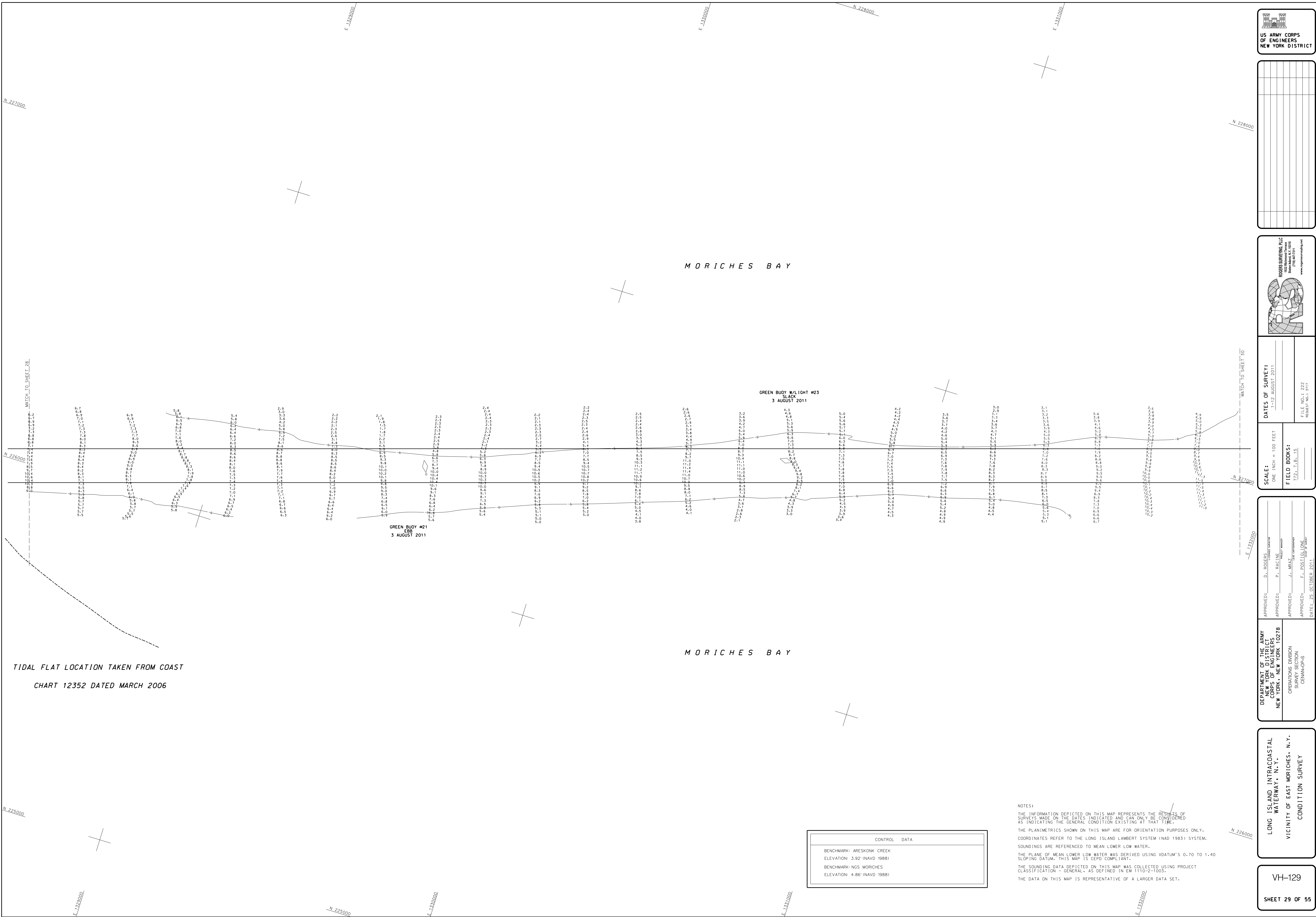
2. THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.

3. THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDdatum'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS CERO COMPLIANT.

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

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

<b>CONTROL DATA</b>	
BENCHMARK:	ARES KONK CREEK
ELEVATION:	3.92 (NAVD 1988)



MORICHES BAY

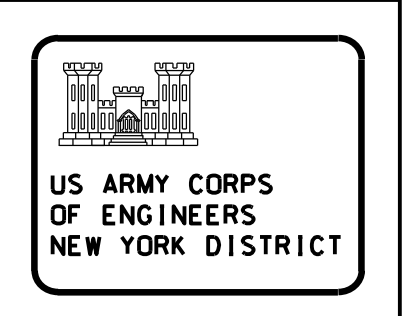
GREEN BUOY W/LIGHT #23  
SLACK  
3 AUGUST 2011

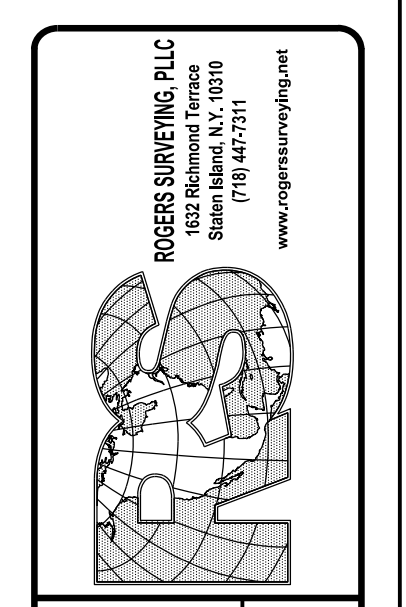
GREEN BUOY #21  
EBB  
3 AUGUST 2011

TIDAL FLAT LOCATION TAKEN FROM COAST  
CHART 12352 DATED MARCH 2006

CONTROL DATA	
BENCHMARK:	ARESKONK CREEK
ELEVATION:	3.92' (NAVD 1988)
BENCHMARK:	MORICHES
ELEVATION:	4.86' (NAVD 1988)

NOTES:  
 1. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
 2. THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
 3. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
 4. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
 5. THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS DEFO COMPLIANT.  
 6. THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
 7. THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.



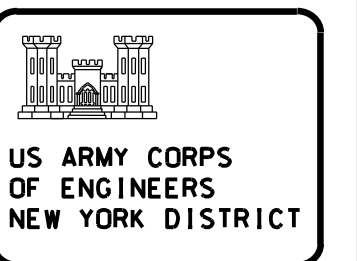
<b>DATES OF SURVEY:</b> 1-12 AUGUST 2011	<b>FILE NO.:</b> 222
<b>SCALE:</b> ONE INCH = 100 FEET	<b>REQUEST NO.:</b> 3171
<b>FIELD BOOKS:</b> 1722, 1745, 1746	

<b>APPROVED:</b> D. ROGERS DIRECTOR	<b>APPROVED:</b> P. SACKLINE PLANNING MANAGER
<b>APPROVED:</b> J. McINTOSH PROJECT MANAGER	<b>APPROVED:</b> F. POSTOLONE CHIEF OF STAFF
<b>DATE:</b> 15 OCTOBER 2011	

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

**OPERATIONS DIVISION**  
**SUBDIVISION**  
**CHRONOPDS**

**LONG ISLAND INTRACOASTAL WATERWAY, N. Y.**  
**VICINITY OF EAST MORICHES, N. Y.**  
**CONDITION SURVEY**



MORICHES BAY

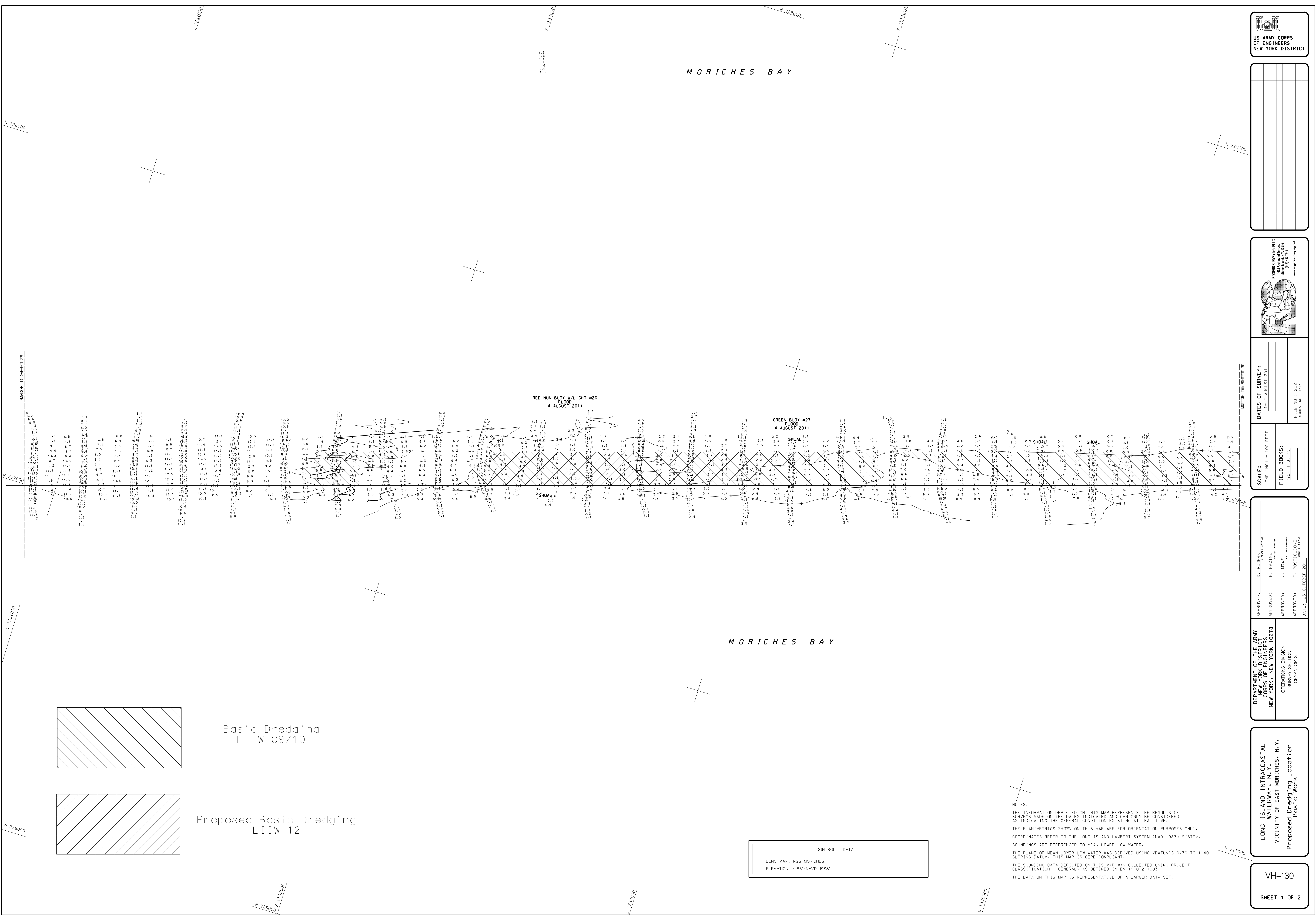
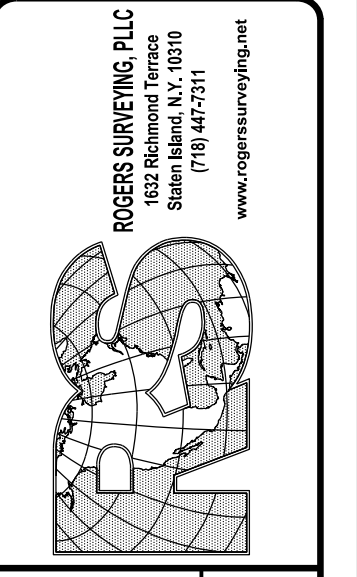


Table with 2 columns and 10 rows, likely a data table or index.



DATES OF SURVEY: 1-12 AUGUST 2011

SCALE: ONE INCH = 100 FEET

DEPARTMENT OF THE ARMY, U.S. ARMY CORPS OF ENGINEERS, NEW YORK DISTRICT

OPERATIONS DIVISION, SOUTH ATLANTIC DISTRICT, CHARLOTTE, NC

LONG ISLAND INTRACOASTAL WATERWAY, N.Y. VICINITY OF EAST MORICHES, N.Y. Proposed Dredging Location

VH-130 SHEET 1 OF 2

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

CONTROL DATA BENCHMARK: NGS MORICHES ELEVATION: 4.86' (NAVD 1988)

Basic Dredging LIIW 09/10

Proposed Basic Dredging LIIW 12

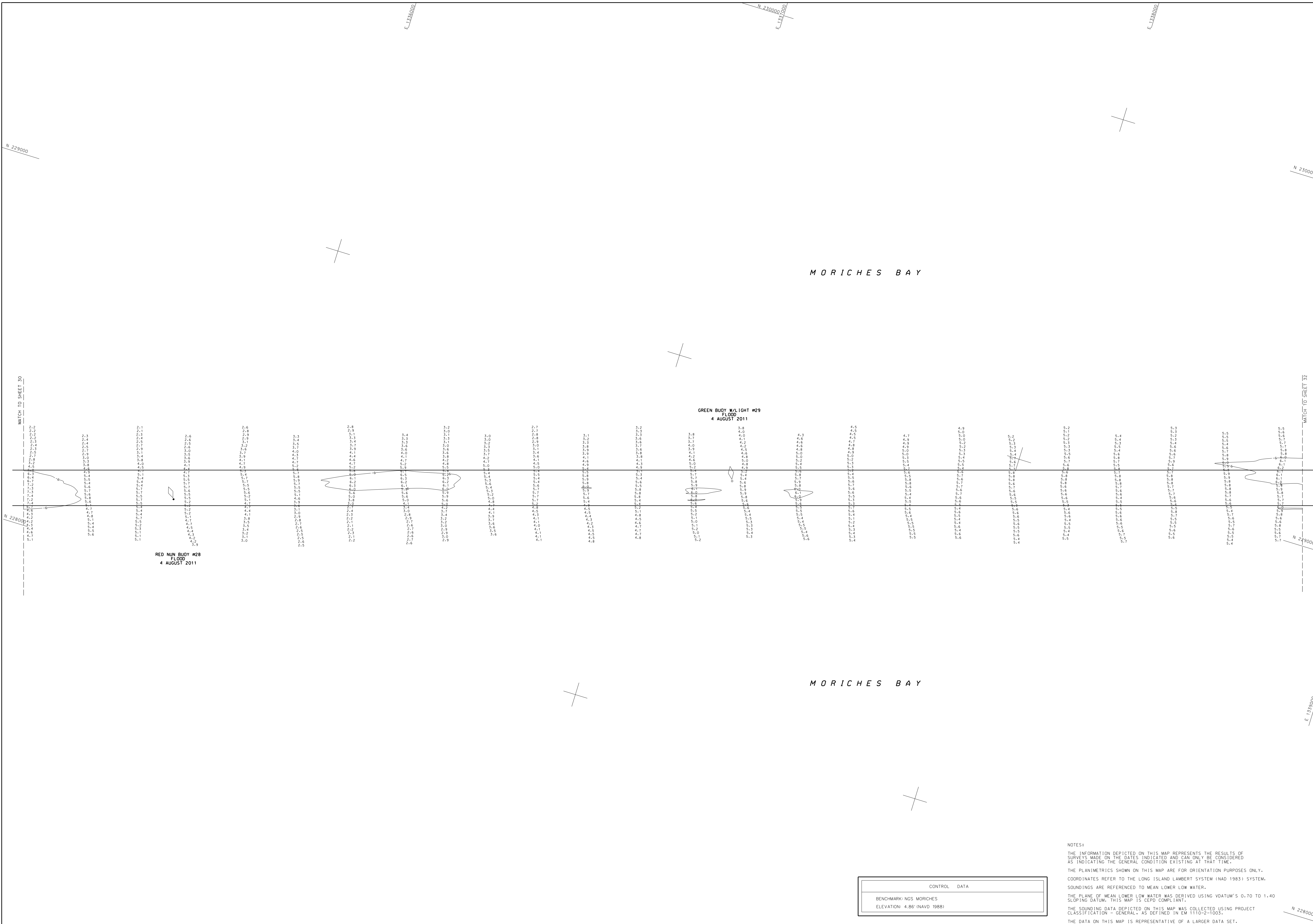
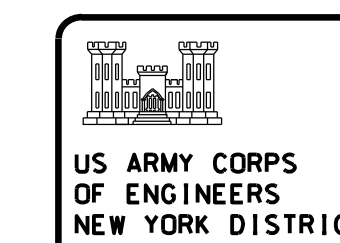
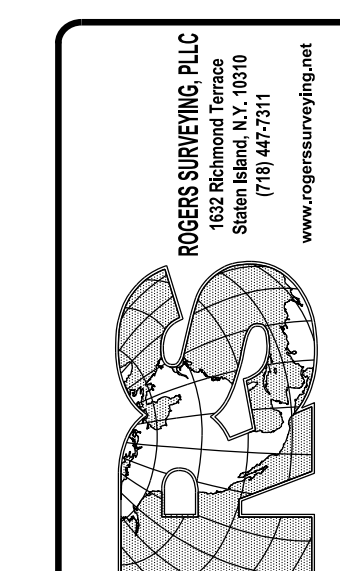


Table with multiple columns and rows, likely a data table or index.



DATES OF SURVEY: 1-12 AUGUST 2011  
FIELD BOOKS: 722-1, 15

SCALE: ONE INCH = 100 FEET  
FIELD BOOKS: 722-1, 15

APPROVED: D. ROGERS  
APPROVED: P. BACINE  
APPROVED: J. WATSON  
APPROVED: F. POSTILLONE  
DATE: 15 OCTOBER 2011

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK, NEW YORK 10278  
OPERATIONS DIVISION  
SUBDIVISION  
CERAN-CD-5

LONG ISLAND INTRACOASTAL WATERWAY - N. Y.  
VICINITY OF EAST PORT - N. Y.  
CONDITION SURVEY

VH-131  
SHEET 31 OF 55

CONTROL DATA  
BENCHMARK: NGS MORICHES  
ELEVATION: 4.86' (NAVD 1988)

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS CERO COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL. AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

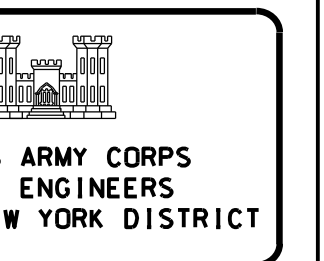
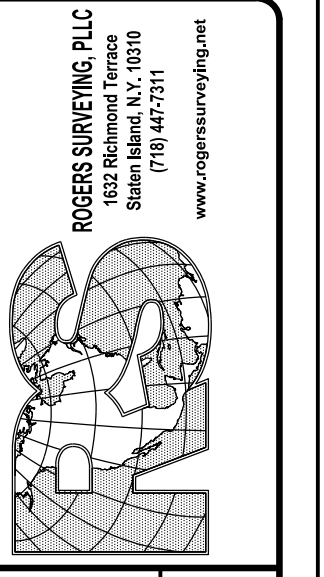


Table with multiple rows and columns for project details and metadata.

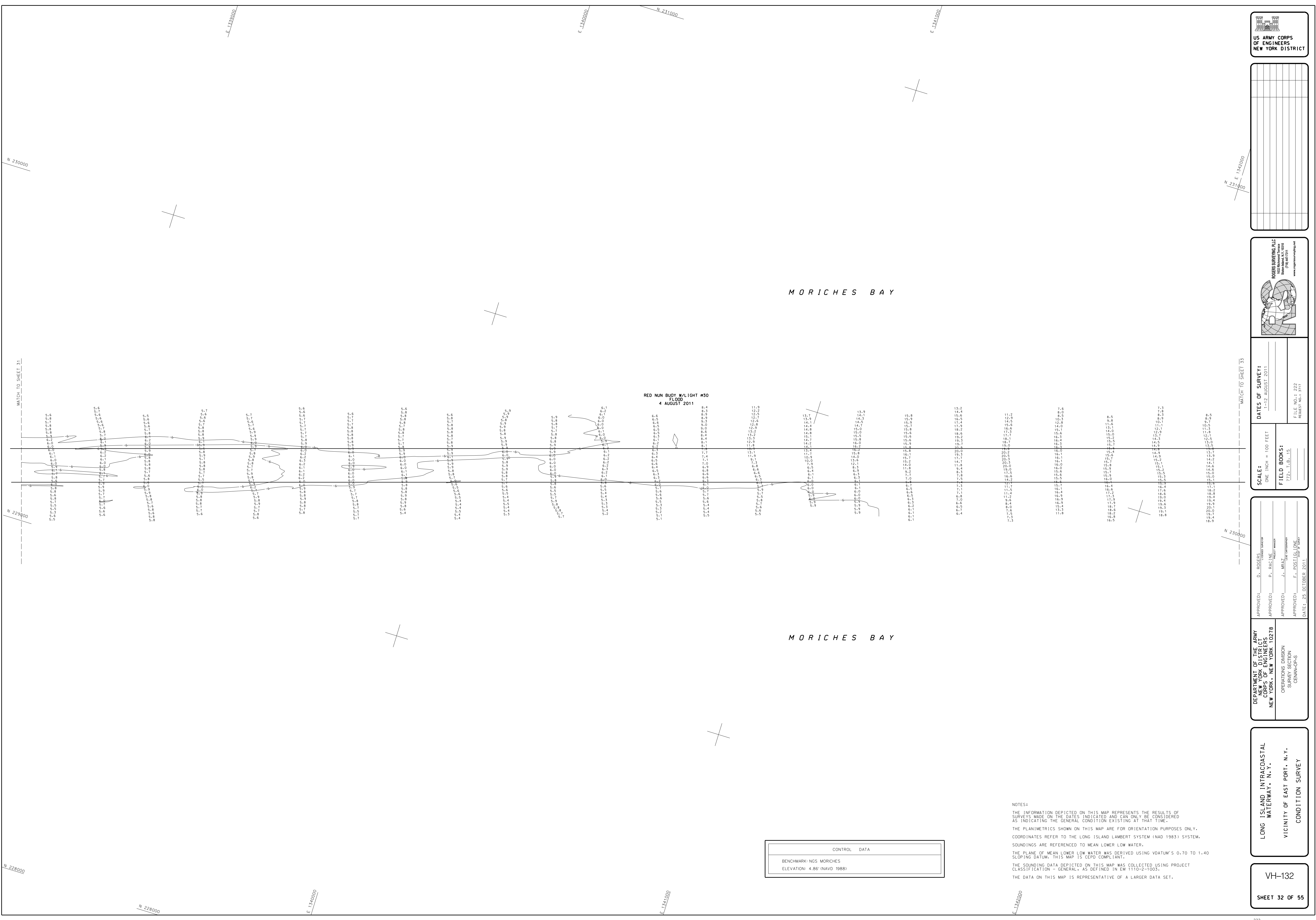


Scale: ONE INCH = 100 FEET, Field Books: 722-1, 722-1.5, Dates of Survey: 1-12 AUGUST 2011, File No: 222, Report No: 311

Department of the Army, Corps of Engineers, New York, New York 10278, Operations Division, Long Island Intracoastal Waterway, N.Y., Vicinity of East Port, N.Y., Condition Survey, Date: 25 OCTOBER 2011

Long Island Intracoastal Waterway, N.Y., Vicinity of East Port, N.Y., Condition Survey

VH-132, SHEET 32 OF 55



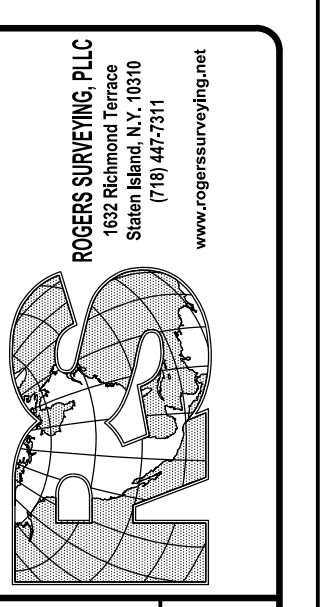
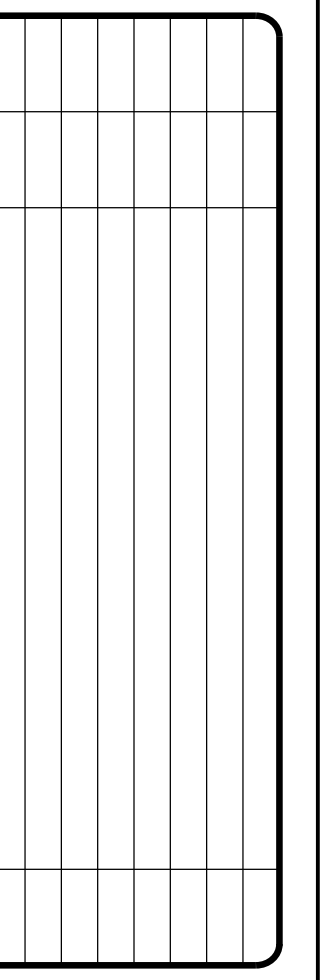
RED NUN BUOY W/LIGHT #30  
FLOOD  
4 AUGUST 2011

MORICHES BAY

CONTROL DATA table with benchmark information for Moriches.

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS CEPD COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.





**DATES OF SURVEY:**  
1-12, AUGUST 2011

**SCALE:**  
ONE INCH = 100 FEET

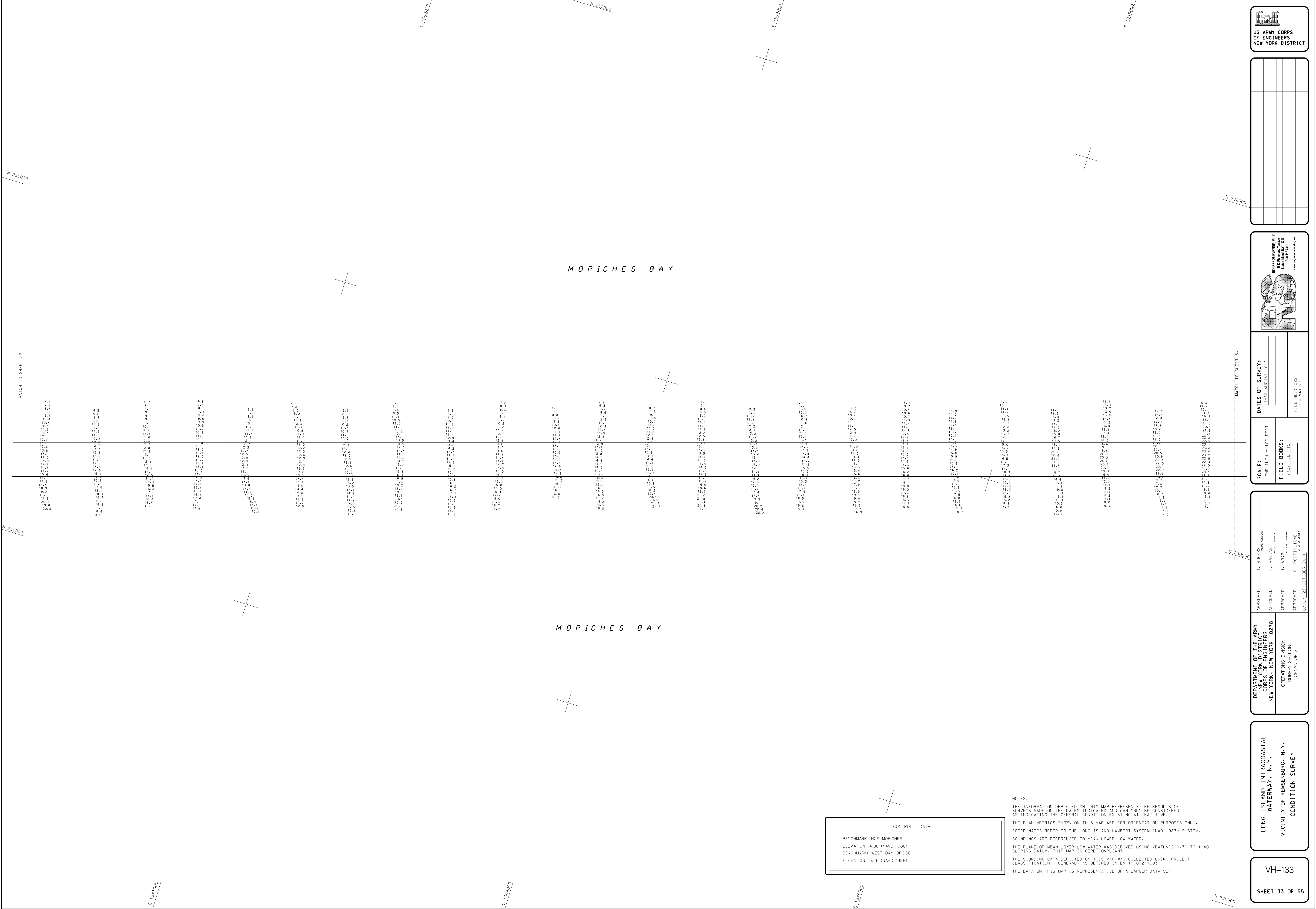
**FIELD BOOKS:**  
732-1, 15

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

**OPERATIONS DIVISION  
SOUTH ATLANTIC DIVISION  
CHASANOVA**

**LONG ISLAND INTRACASTAL  
WATERWAY, N. Y.  
VICINITY OF REISENBERG, N. Y.  
CONDITION SURVEY**

**VH-133  
SHEET 33 OF 55**



**CONTROL DATA**

BENCHMARK: NGS MORICHES
ELEVATION: 4.86' (NAVD 1988)
BENCHMARK: WEST BAY BRIDGE
ELEVATION: 3.26' (NAVD 1988)

**NOTES:**  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
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THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDdatum's 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS DEFO COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

MATCH TO SHEET 32

MATCH TO SHEET 34

N 231000

N 233000

E 1445000

E 1446000

E 1447000

N 230000

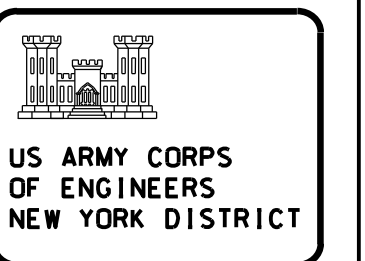
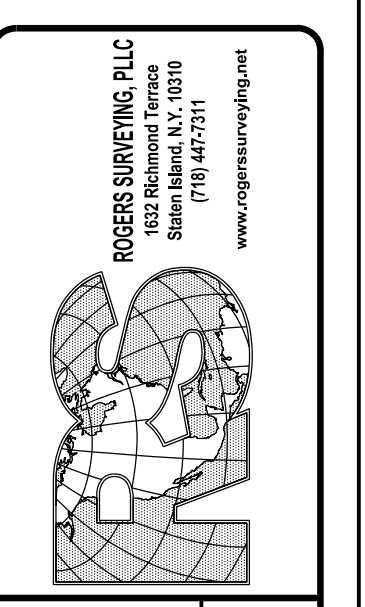


Table with 10 columns and 10 rows, likely a grid or data table.

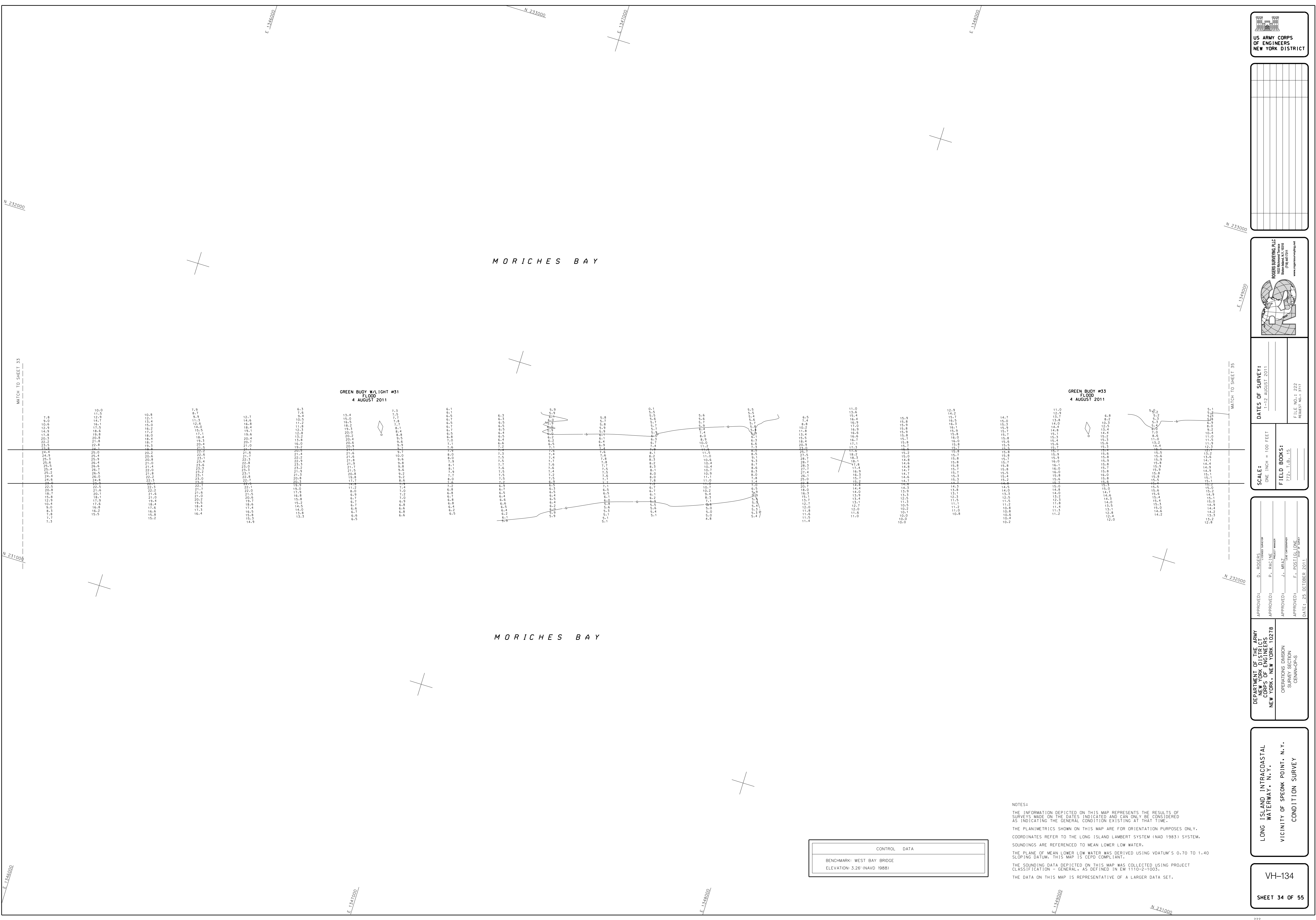


DATES OF SURVEY: 1-12 AUGUST 2011  
SCALE: ONE INCH = 100 FEET  
FIELD BOOKS: 732, 1, 15

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK DISTRICT  
OPERATIONS DIVISION  
NEW YORK DISTRICT  
NEW YORK DISTRICT

LONG ISLAND INTRACOASTAL WATERWAY, N.Y.  
VICINITY OF SPEONK POINT, N.Y.  
CONDITION SURVEY

VH-134  
SHEET 34 OF 55



CONTROL DATA  
BENCHMARK: WEST BAY BRIDGE  
ELEVATION: 3.26' (NAVD 1988)

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAID 1983) SYSTEM.  
SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS DEFO COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

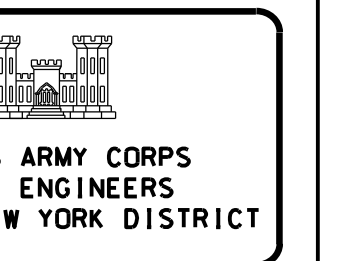


Table with 10 columns and 10 rows, likely a metadata or revision table.

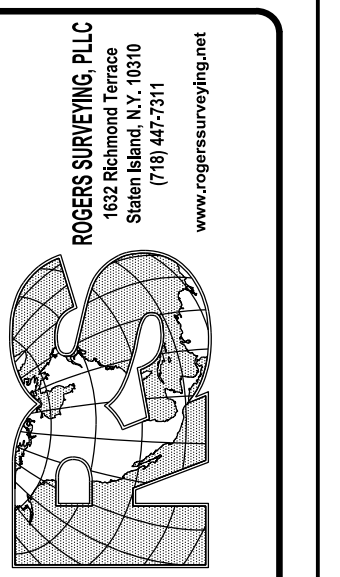
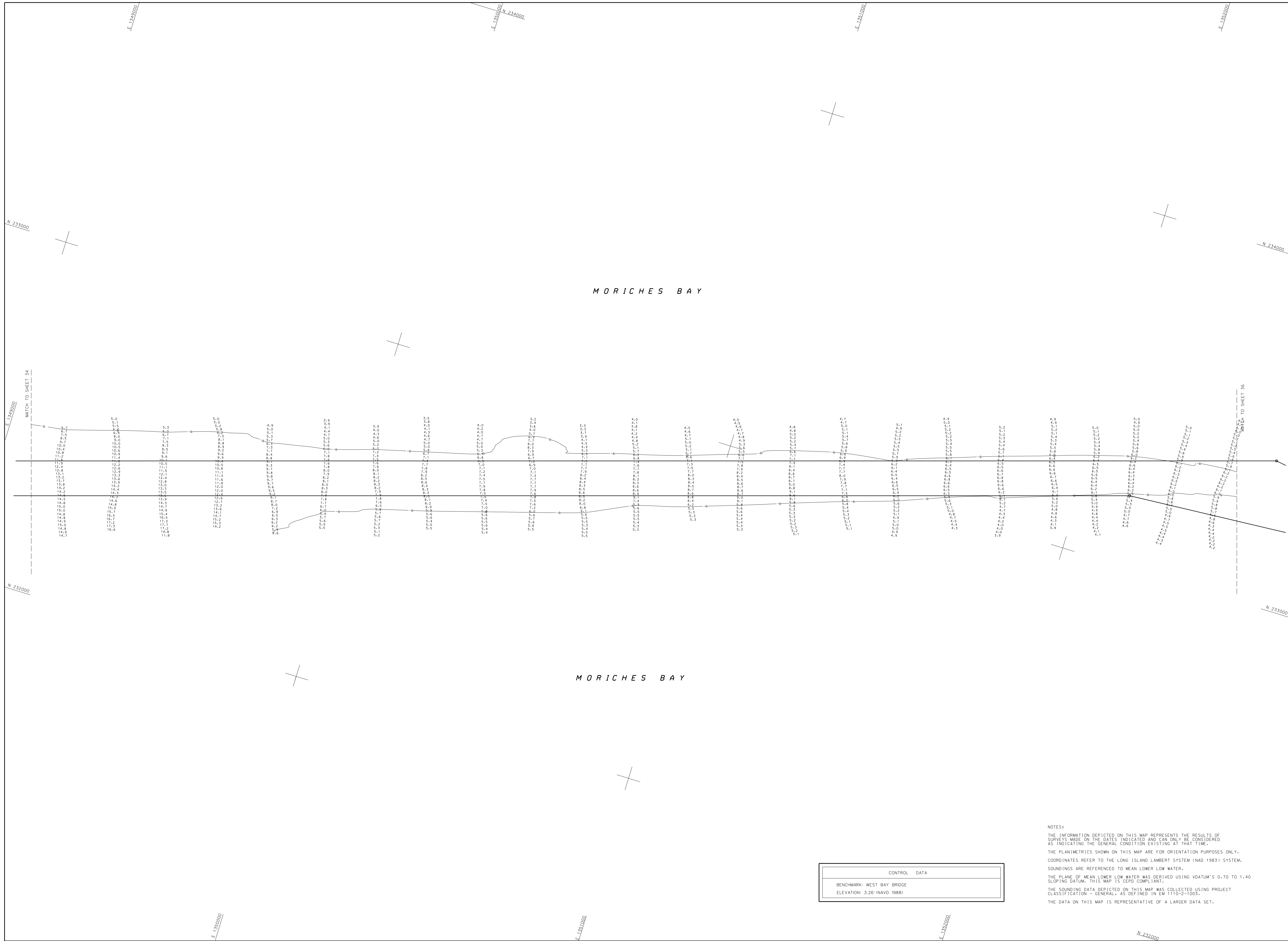


Table with 2 columns: DATES OF SURVEY (1-12 AUGUST 2011), SCALE (ONE INCH = 100 FEET), FIELD BOOKS (722-1, 15), and FILE NO. (1 222).

Table with 4 columns: APPROVED (D. ROGERS, P. BACINE, J. WATSON, F. POSILONE), DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS, NEW YORK DISTRICT, and DATE (15 OCTOBER 2011).

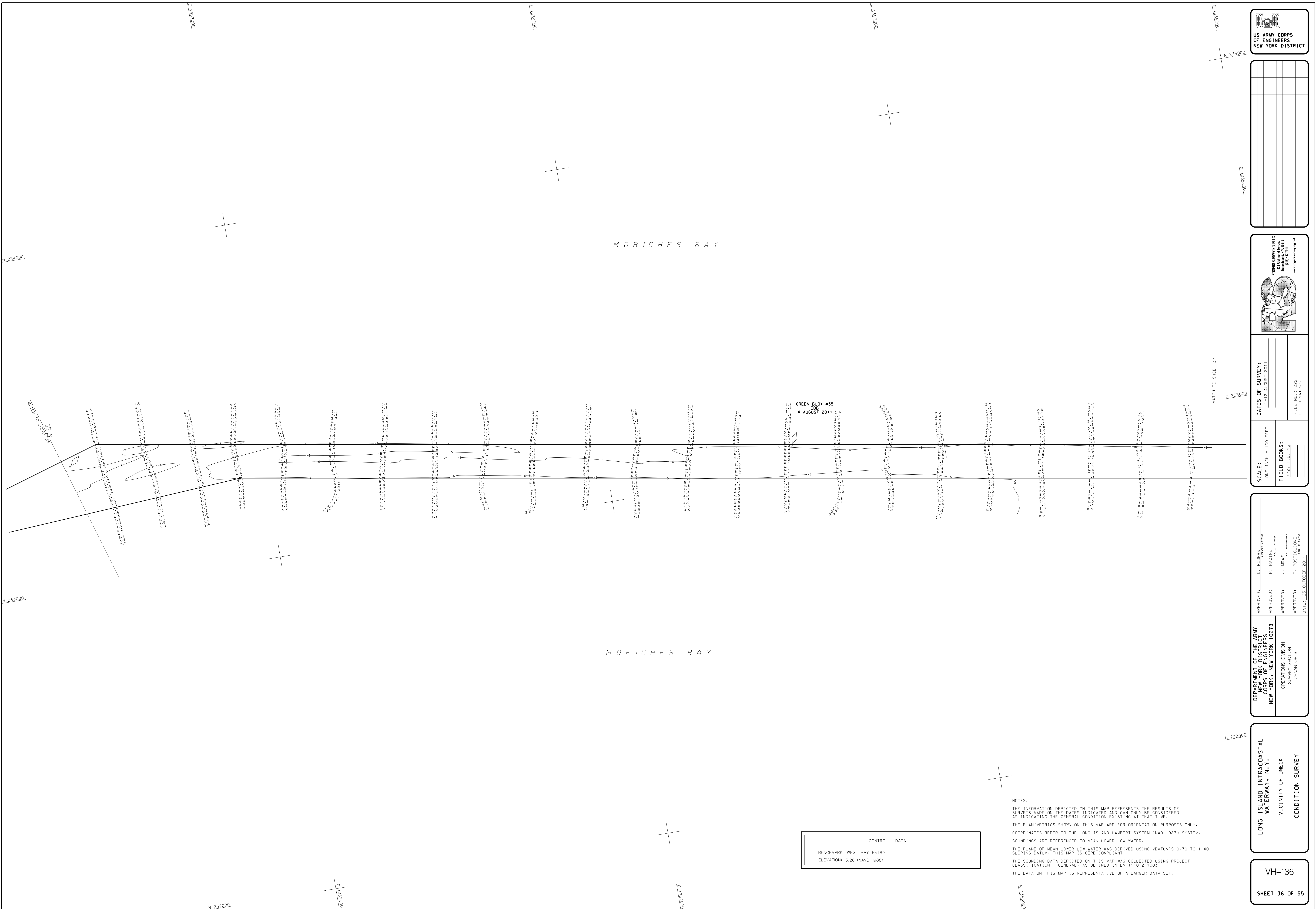
LONG ISLAND INTRACOASTAL WATERWAY - N.Y. VICINITY OF APAUCK POINT - N.Y. CONDITION SURVEY

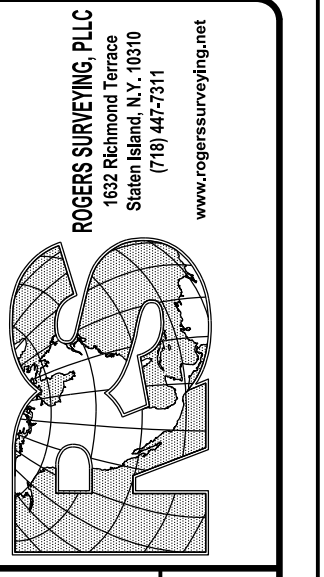
VH-135 SHEET 35 OF 55



CONTROL DATA  
BENCHMARK: WEST BAY BRIDGE  
ELEVATION: 3.26 (NAVD 1988)

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
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COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS DEFO COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.



DATE OF SURVEY: 1-12 AUGUST 2011

FILE NO.: 222  
REBET NO.: 0177

SCALE: ONE INCH = 100 FEET  
FIELD BOOKS: 1722, 1731

APPROVED: D. ROGERS  
CORPORATE REPRESENTATIVE

APPROVED: P. BACINE  
PROJECT MANAGER

APPROVED: J. MCKELVEY  
SUPERVISOR

APPROVED: F. POSILLONE  
FIELD ENGINEER

DATE: 25 OCTOBER 2011

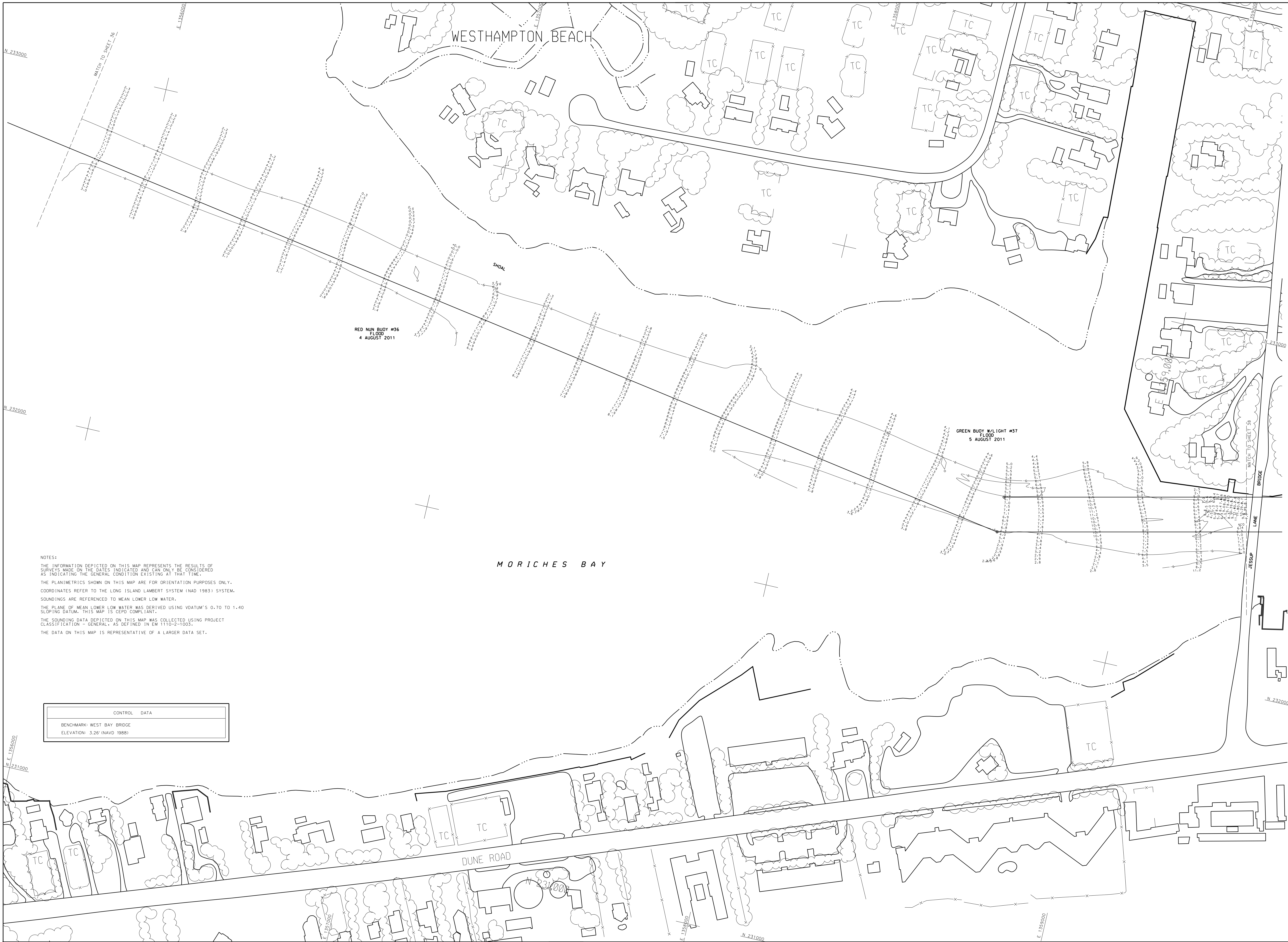
DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK DISTRICT  
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION  
SOUTH OCEAN  
CENTRAL OCS

LONG ISLAND INTRACOASTAL  
WATERWAY - N.Y.  
VICINITY OF ONECK  
CONDITION SURVEY

VH-136

SHEET 36 OF 55



NOTES:  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
 THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
 THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLOPING DATUM. THIS MAP IS CEPD COMPLIANT.  
 THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
 THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

CONTROL DATA  
 BENCHMARK: WEST BAY BRIDGE  
 ELEVATION: 3.26' (NAVD 1988)

<p>US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT</p>	
<p>ROBERTS SURVEYING S.L.C.                  100 HICKORY STREET                  STAMFORD, CT 06424                  (860) 328-2111                  www.robertssurveying.com</p>	
<p>DATES OF SURVEY:                  1-17- AUGUST 2011</p>	
<p>SCALE:                  ONE INCH = 100 FEET</p>	
<p>FIELD BOOKS:                  722, 753, 15</p>	
<p>FILE NO.: 222                  REQUEST NO.: 877</p>	
<p>APPROVED: <u>D. ROGERS</u> DISTRICT ENGINEER                  APPROVED: <u>P. BACLINE</u> DISTRICT ASSISTANT ENGINEER                  APPROVED: <u>J. WELLS</u> DISTRICT ASSISTANT ENGINEER                  APPROVED: <u>F. FOSLIDGE</u> DISTRICT ASSISTANT ENGINEER                  DATE: 25 OCTOBER 2011</p>	
<p>DEPARTMENT OF THE ARMY                  CORPS OF ENGINEERS                  NEW YORK, NEW YORK 10278                  OPERATIONS DIVISION                  SURVEYING BRANCH                  CENAN-CP-5</p>	
<p>LONG ISLAND INTRACOASTAL WATERWAY, N.Y.                  VICINITY OF POTUNK POINT                  CONDITION SURVEY</p>	
<p>VH-137</p>	
<p>SHEET 37 OF 55</p>	





QUANTUCK BAY

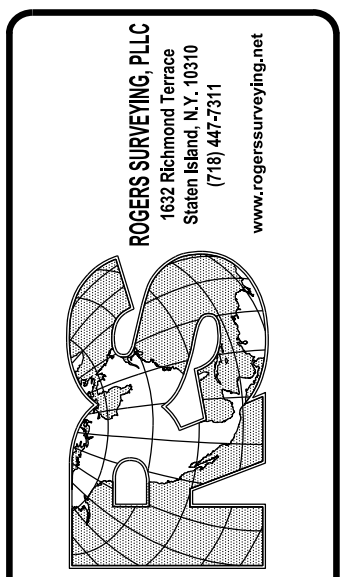
QUANTUCK CANAL

FIXED AID TO NAVIGATION W/LIGHT #7  
5 AUGUST 2011

WATCH TO SHEET 38

WATCH TO SHEET 40

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT



DATES OF SURVEY:  
1-1-12 AUGUST 2011

SCALE: ONE INCH = 100 FEET  
FIELD BOOKS:  
7122-1-LS-15

APPROVED: D. ROGERS DISTRICT ENGINEER  
APPROVED: P. RACINE CHIEF OF DISTRICT  
APPROVED: J. ... DISTRICT ENGINEER  
APPROVED: F. ... DISTRICT ENGINEER  
DATE: 25 OCTOBER 2011

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK - NEW YORK 10278  
OPERATIONS DIVISION  
SCENARIOS SECTION  
CENAN-OPDS

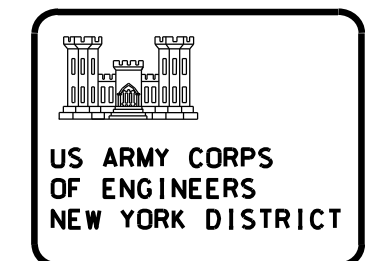
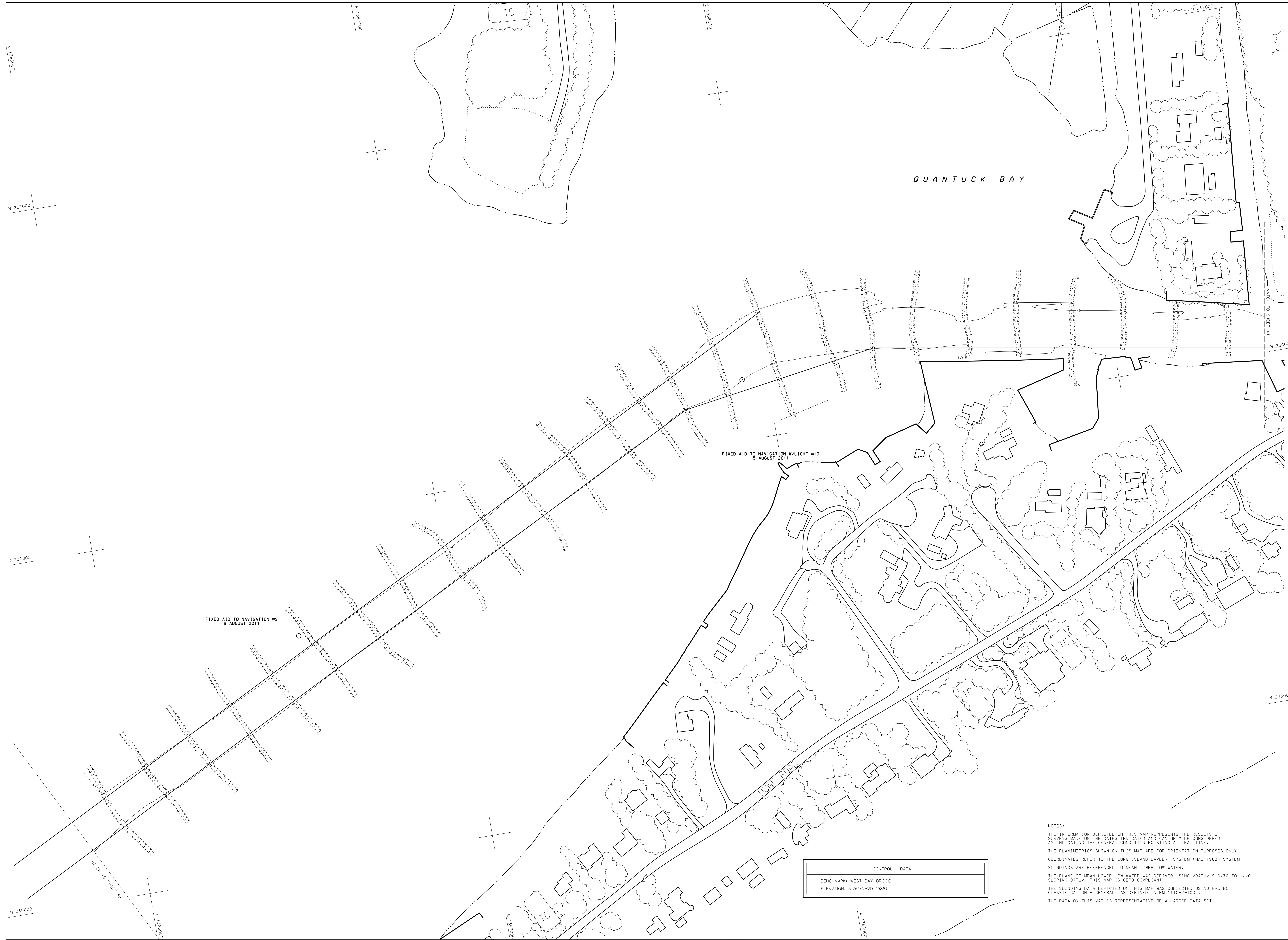
LONG ISLAND INTRACOASTAL WATERWAY, N. Y. VICINITY OF WESTHAMPTON BEACH CONDITION SURVEY

VH-139

SHEET 39 OF 55

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLOPING DATUM. THIS MAP IS CEFO COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

CONTROL DATA  
BENCHMARK: WEST BAY BRIDGE  
ELEVATION: 3.26' (NAVD 1988)




ROGERS SURVEYING S.L.C.  
 100 Boulevard Towers  
 100 Boulevard Towers  
 Stoney Brook, NY 11790  
 (609) 426-2111  
 www.rogerssurveying.com

DATE(S) OF SURVEY:  
 1-12 AUGUST 2011

SCALE:  
 ONE INCH = 100 FEET

FIELD BOOKS:  
 752-1-5, 15

FILE NO.: 222  
 PROJECT NO.: 2117

APPROVED: D. ROGERS, DISTRICT ENGINEER  
 APPROVED: P. BRACINE, DISTRICT ENGINEER  
 APPROVED: J. MOYER, DISTRICT ENGINEER  
 APPROVED: F. POSTOLONE, DISTRICT ENGINEER

DATE: 25 OCTOBER 2011

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

OPERATIONS DIVISION  
 STONEY BROOK, NY  
 CERAN-0203

LONG ISLAND INTRACOASTAL WATERWAY, N. Y.  
 VICINITY OF OUGHE, N. Y.  
 CONDITION SURVEY

CONTROL DATA
BENCHMARK: WEST BAY BRIDGE
ELEVATION: 3.26 (NAVD 1988)

NOTES:  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
 THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
 COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
 SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
 THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDUTM'S 0.70 TO 1.40 SLOPING DATUM. THIS MAP IS DEP3 COMPLIANT.  
 THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
 THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.





CONTROL DATA  
 BENCHMARK: WEST BAY BRIDGE  
 ELEVATION: 3.26' (NAVD 1988)

NOTES:  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
 THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
 THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLOPING DATUM. THIS MAP IS DEFO COMPLIANT.  
 THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
 THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

**US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT**

---

**ROBERTS SURVEYING & CONSULTING INC.**  
 1425 Broadway Street  
 Staten Island, NY 10314  
 (718) 442-7111  
[www.robertssurveying.com](http://www.robertssurveying.com)

---

**DATES OF SURVEY:**  
 1-1-12, AUGUST 2011

**FILE NO.:** 1222  
**PROJECT NO.:** 3717

---

**SCALE:** ONE INCH = 100 FEET

**FIELD BOOKS:**  
 1722, 1753, 15

---

**APPROVED:** D. ROBERTS, DISTRICT ENGINEER  
 APPROVED: P. RACINE, PROJECT MANAGER  
 APPROVED: J. MULLER, SURVEY MANAGER  
 APPROVED: F. POSTILLONE, DATE: 25 OCTOBER 2011

---

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

**OPERATIONS DIVISION  
 SURVEYING SECTION  
 CENRAN-CPS**

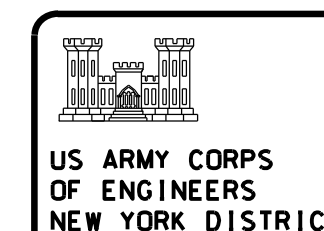
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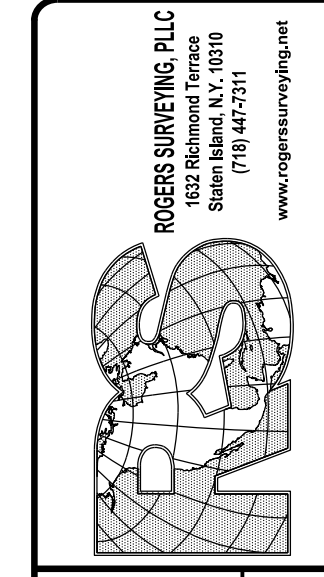
**LONG ISLAND INTRACOASTAL WATERWAY, N. Y.  
 VICINITY OF OGDUGUE  
 CONDITION SURVEY**

---

**VH-141**

**SHEET 41 OF 55**



DATE OF SURVEY:  
1-17-2002  
1-17-2002

SCALE:  
ONE INCH = 100 FEET

FIELD BOOKS:  
7122-1, 15, 15

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK DISTRICT

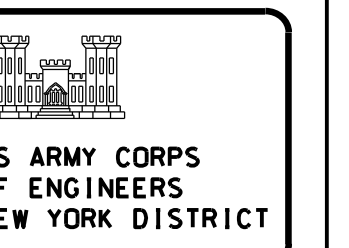
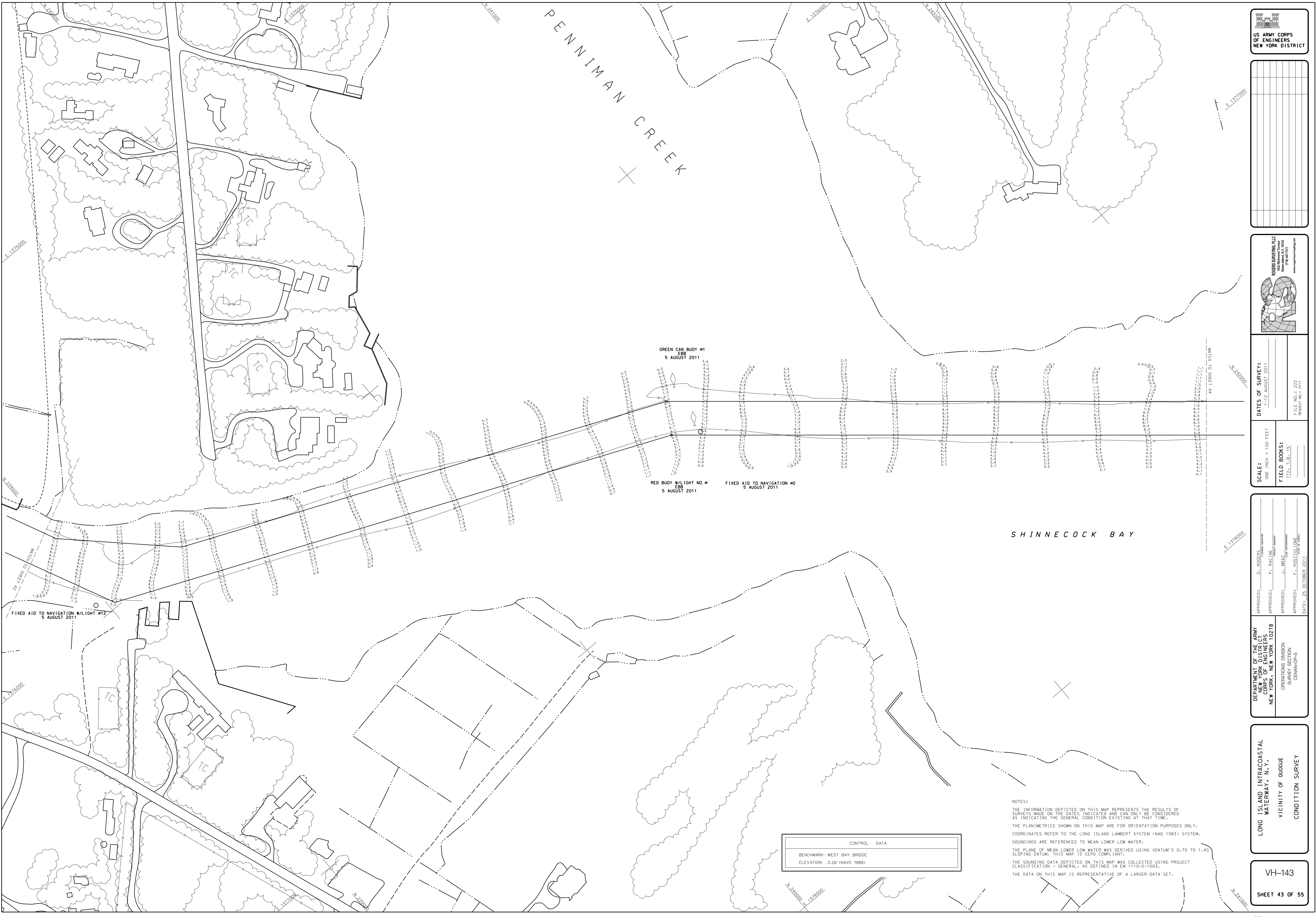
OPERATIONS DIVISION  
SCENARIOS

VH-142

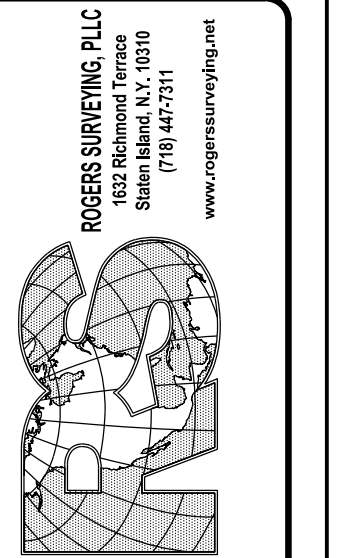
SHEET 42 OF 55

CONTROL DATA  
BENCHMARK: WEST BAY BRIDGE  
ELEVATION: 3.26' (NAVD 1988)

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLOPING DATUM. THIS MAP IS CEFD COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL. AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.



US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT



**ROGERS SURVEYING S/C**  
160 Highland Avenue  
Stamford, CT 06907  
(860) 349-3771  
www.rogerssurveying.com

**DATES OF SURVEY:**  
1-12 AUGUST 2011

**SCALE:** ONE INCH = 100 FEET

**FIELD BOOKS:**  
752, 753, 754

**APPROVED:** D. ROGERS, DISTRICT SUPERVISOR  
P. BAELINE, PROJECT MANAGER  
J. WOLF, SURVEY MANAGER  
F. POSTILLONE, CHECKER

**DATE:** 25 OCTOBER 2011

**DEPARTMENT OF THE ARMY**  
**CORPS OF ENGINEERS**  
**NEW YORK DISTRICT**  
**OPERATIONS DIVISION**  
STAMFORD  
CERAN-C038

**LONG ISLAND INTRACOASTAL WATERWAY, N.Y.**  
**VICINITY OF OUDQUE**  
**CONDITION SURVEY**

**NOTES:**

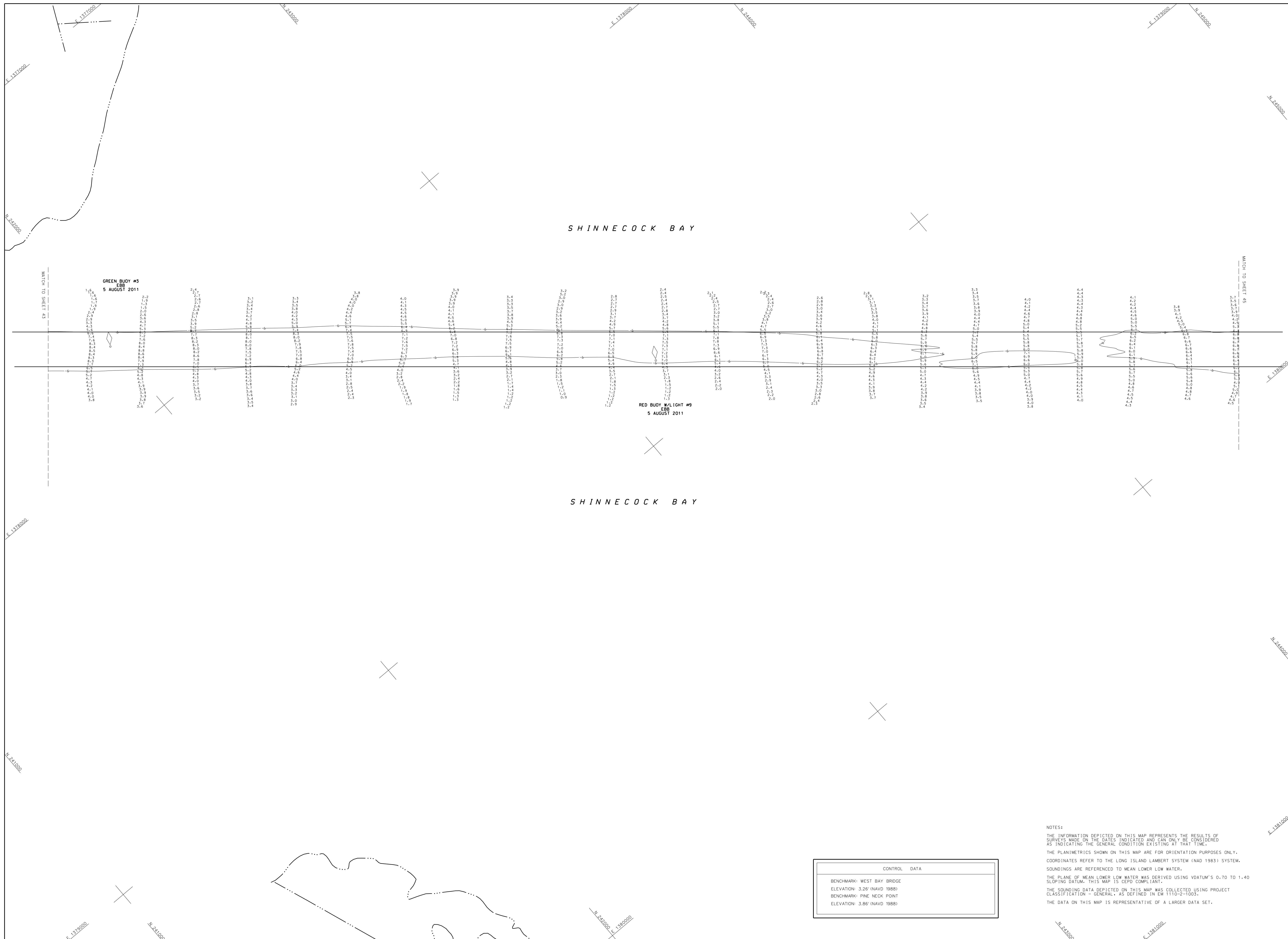
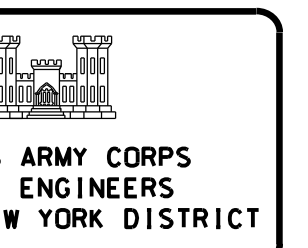
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.

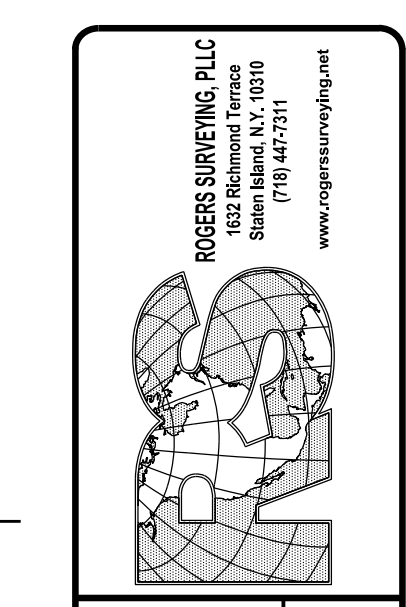
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.

THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLOPING DATUM. THIS MAP IS CEFO COMPLIANT.

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

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



<b>DATES OF SURVEY:</b> 1 - 12 AUGUST 2011	<b>FILE NO.:</b> 222 PROJECT NO.: 3111
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<b>SCALE:</b> ONE INCH = 100 FEET	<b>FIELD BOOKS:</b> 732, 735, 737
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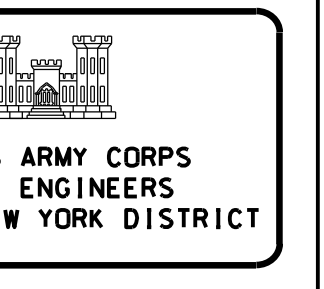
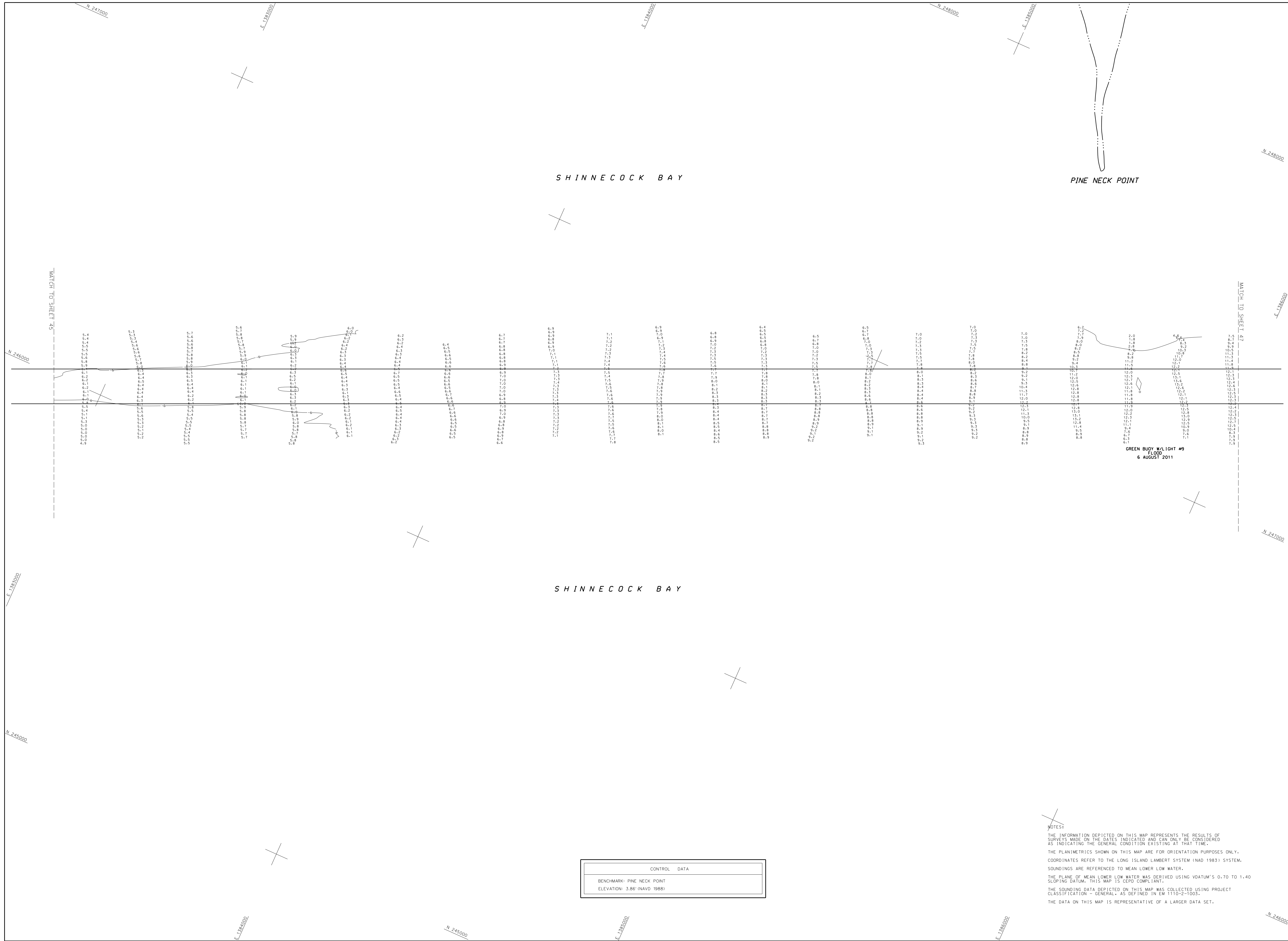
<b>DEPARTMENT OF THE ARMY</b> <b>CORPS OF ENGINEERS</b> NEW YORK DISTRICT NEW YORK, NEW YORK 10278	APPROVED: <u>D. ROGERS</u> D. ROGERS OPERATIONS DIVISION SERIES/PROJECT/NO. / DRAWING NO. GERMAN-OPS
	APPROVED: <u>J. McILROY</u> J. McILROY
	APPROVED: <u>J. McILROY</u> J. McILROY
	APPROVED: <u>J. McILROY</u> J. McILROY
	DATE: 25 OCTOBER 2011

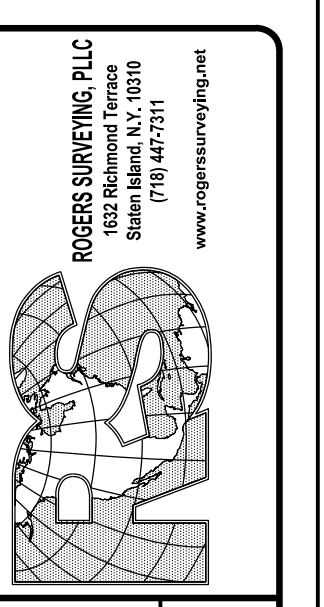
<b>LONG ISLAND INTRACOASTAL WATERWAY, N. Y.</b> VICINITY OF OGDUE CONDITION SURVEY
---

**VH-144**  
**SHEET 44 OF 55**

**NOTES:**  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDdatum'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS CEFO COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.





<b>DATE OF SURVEY:</b> 1-12 AUGUST 2011	<b>FILE NO.:</b> 222 REQUEST NO.: 377
--	--

<b>SCALE:</b> ONE INCH = 100 FEET	<b>FIELD BOOKS:</b> 722-1-15, 15
--------------------------------------	-------------------------------------

<b>DEPARTMENT OF THE ARMY</b> CORPS OF ENGINEERS NEW YORK, NEW YORK 10278	<b>OPERATIONS DIVISION</b> SPECIAL OPERATIONS GERMAN-OPS
<b>APPROVED:</b> D. ROGERS <b>APPROVED:</b> P. BACINE <b>APPROVED:</b> J. WILSON <b>APPROVED:</b> F. POSILOONE	<b>DATE:</b> 25 OCTOBER 2011

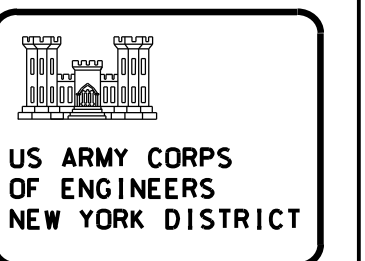
**LONG ISLAND INTRACOASTAL WATERWAY - N.Y. VICINITY OF PINE NECK CONDITION SURVEY**

**VH-146**

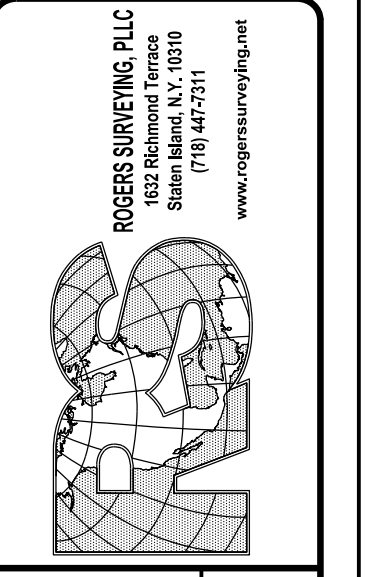
**SHEET 46 OF 55**

CONTROL DATA	
BENCHMARK: PINE NECK POINT	
ELEVATION: 3.86' (NAVD 1988)	

**NOTES:**  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS CDD COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.



Empty table grid for project information



DATES OF SURVEY: 1-12 AUGUST 2011  
1-12 AUGUST 2011

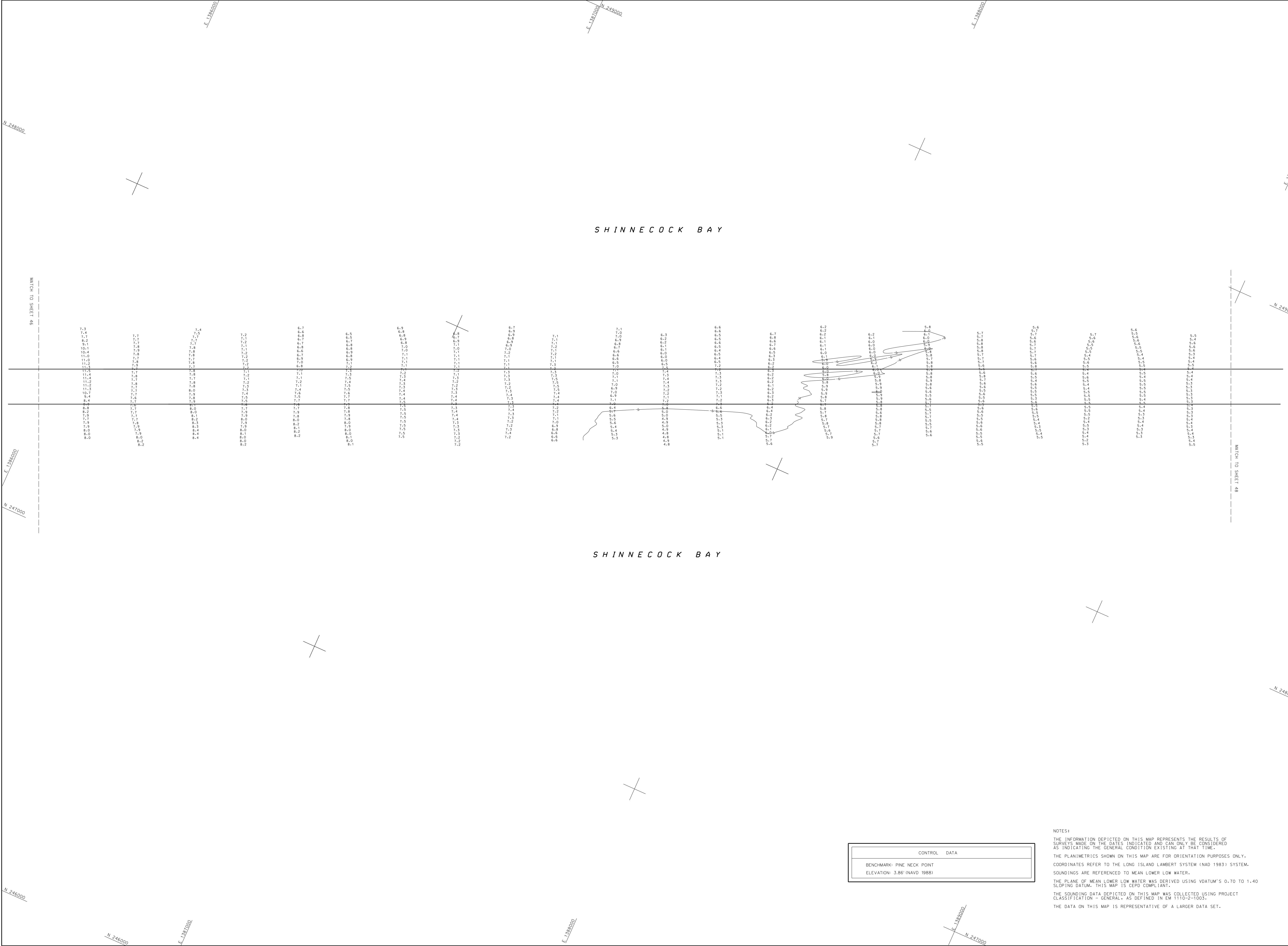
SCALE: ONE INCH = 100 FEET  
FIELD BOOKS: 722-1, 5, 15

APPROVED: D. ROGERS, DISTRICT ENGINEER  
APPROVED: P. BACINE, DISTRICT ENGINEER  
APPROVED: J. MATHIAS, DISTRICT ENGINEER  
APPROVED: F. FOSLOGIONE, DISTRICT ENGINEER  
DATE: 25 OCTOBER 2011

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK, NEW YORK 10278  
OPERATIONS DIVISION  
SOUTH PLATON  
CERANAP-OS

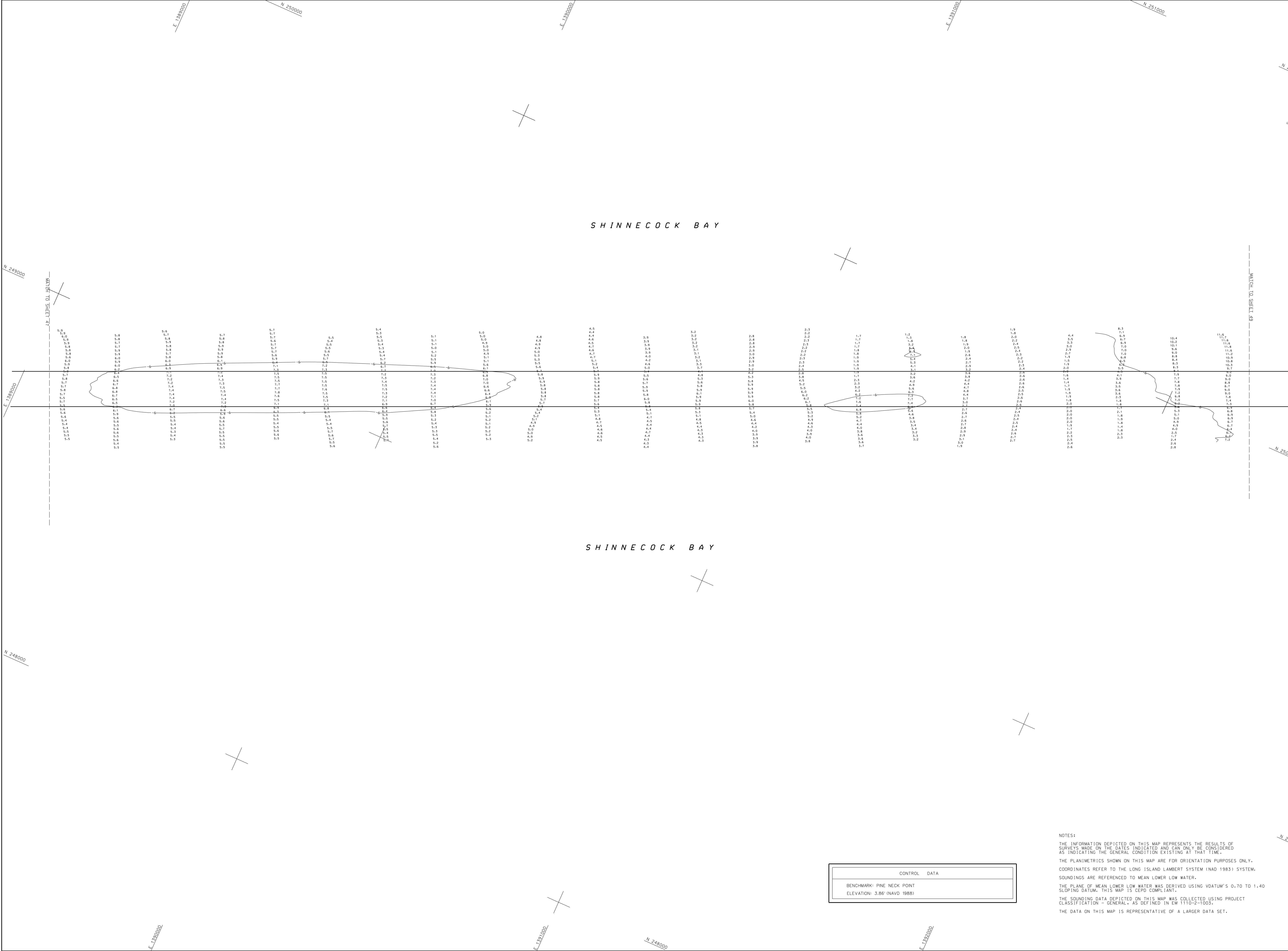
LONG ISLAND INTRACOASTAL WATERWAY, N.Y.  
VICINITY OF PINE NECK  
CONDITION SURVEY

VH-147  
SHEET 47 OF 55



CONTROL DATA  
BENCHMARK: PINE NECK POINT  
ELEVATION: 3.86' (NAVD 1988)

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLOPING DATUM. THIS MAP IS DEFO COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

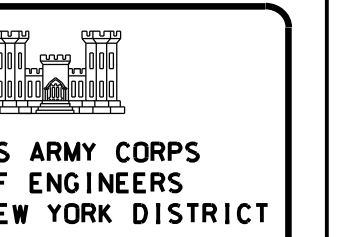


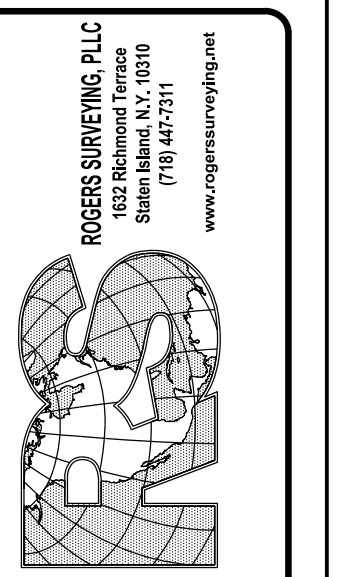
SHINNECOCK BAY

SHINNECOCK BAY

CONTROL DATA	
BENCHMARK: PINE NECK POINT	
ELEVATION: 3.86' (NAVD 1988)	

NOTES:  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
 THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
 COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
 SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
 THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDdatum'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS CEFO COMPLIANT.  
 THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL. AS DEFINED IN EM 1110-2-1003.  
 THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.



ROGERS SURVEYING & CONSULTING  
 100 Highland Avenue  
 Basking Ridge, NJ 07005  
 (973) 882-7171  
 www.rogerssurvey.com

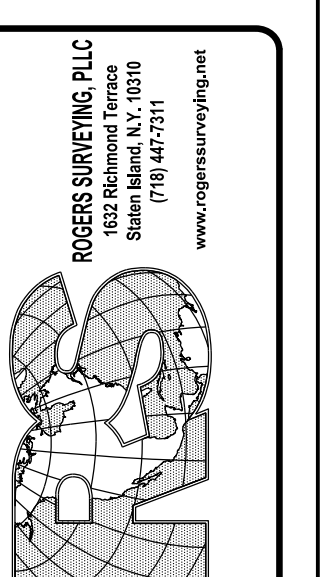
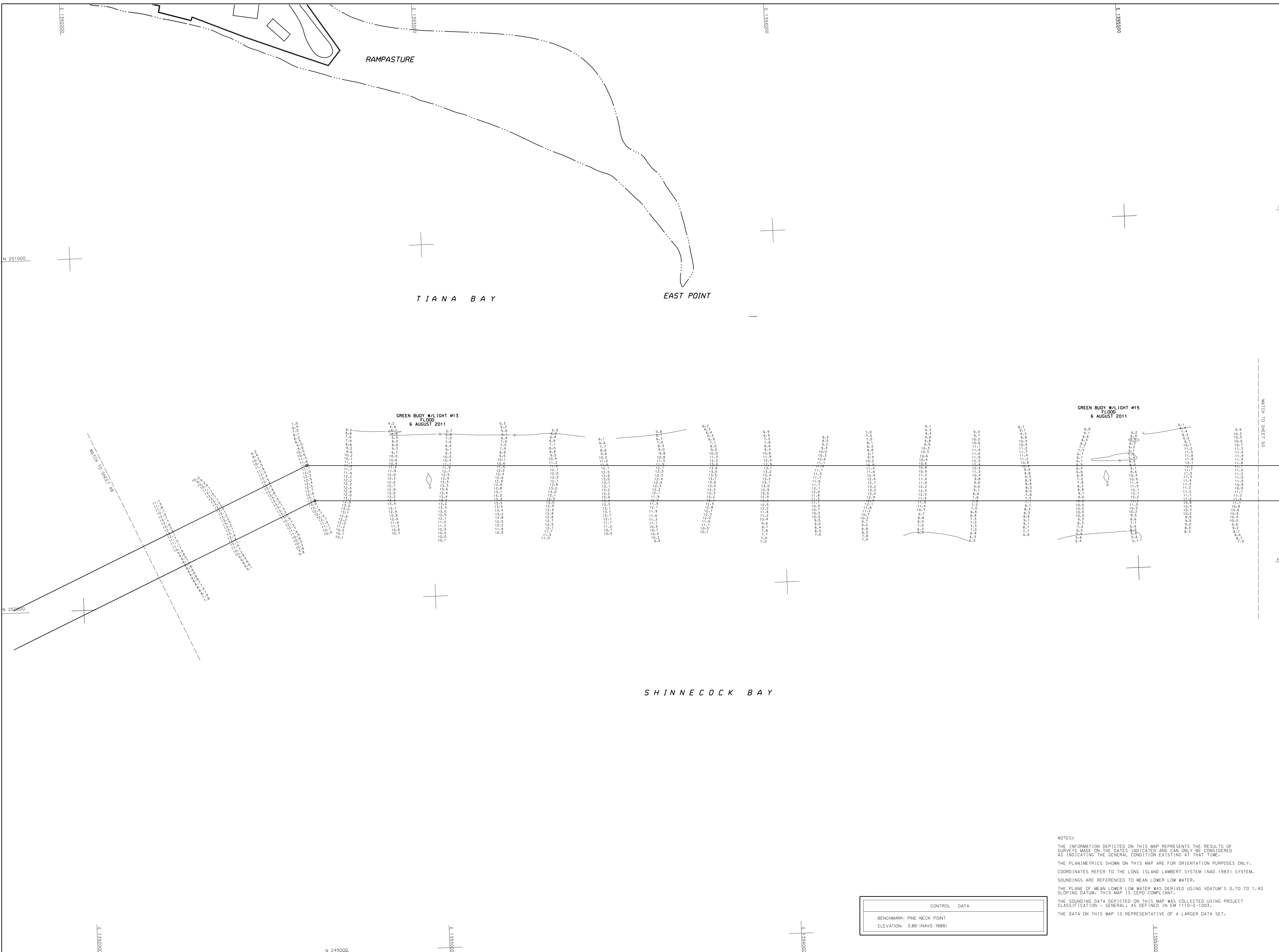
SCALE: ONE INCH = 100 FEET  
 DATES OF SURVEY: 1-17, AUGUST 2011  
 FIELD BOOKS: 752, 1-15, 15

APPROVED: [Signature] D. ROGERS, DISTRICT SUPERVISOR  
 APPROVED: [Signature] P. RACINE, PLANNING ENGINEER  
 APPROVED: [Signature] J. MURPHY, SURVEY ENGINEER  
 APPROVED: [Signature] F. POSTILLONE, CHIEF OF SURVEY  
 DATE: 25 OCTOBER 2011

DEPARTMENT OF THE ARMY  
 CORPS OF ENGINEERS  
 NEW YORK DISTRICT  
 OPERATIONS DIVISION  
 SURVEYING BRANCH  
 CERAM-OP-8

LONG ISLAND INTRACASTAL  
 WATERWAY, N.Y.  
 VICINITY OF PINE NECK  
 CONDITION SURVEY





<b>DATES OF SURVEY:</b> 1-12 AUGUST 2011	<b>FILE NO.:</b> 222 <b>PROJECT NO.:</b> 3111
<b>SCALE:</b> ONE INCH = 100 FEET	<b>FIELD BOOKS:</b> 722, 1-5, 15

<b>APPROVED:</b> D. RODERS DISTRICT ENGINEER P. BACINE PROJECT MANAGER J. MARY DISTRICT SURVEYOR F. FOSTER DATE: 25 OCTOBER 2011	<b>DEPARTMENT OF THE ARMY CORPS OF ENGINEERS NEW YORK, NEW YORK 10278</b>
OPERATIONS DIVISION SURVEY SECTION CERAN-COS	LONG ISLAND INTRACASTAL WATERWAY, N. Y. VICINITY OF EAST POINT, N. Y. CONDITION SURVEY

<b>LONG ISLAND INTRACASTAL WATERWAY, N. Y. VICINITY OF EAST POINT, N. Y. CONDITION SURVEY</b>
<b>VH-149</b>
<b>SHEET 49 OF 55</b>

NOTES:  
 1. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
 2. THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
 3. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
 4. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
 5. THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLOPING DATUM. THIS MAP IS DEFO COMPLIANT.  
 6. THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
 7. THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

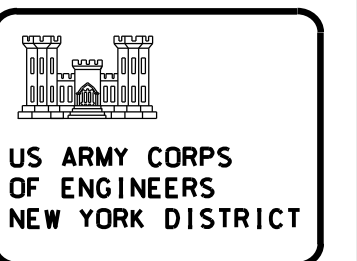
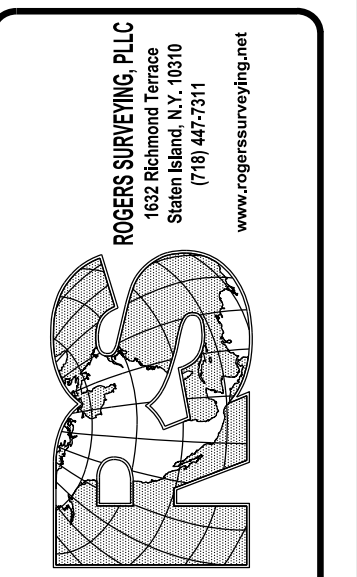


Table with 2 columns: Date, Description. Includes dates like 1-12 AUGUST 2011 and 1-12 AUGUST 2011.



DATES OF SURVEY: 1-12 AUGUST 2011  
FILE NO.: 222  
PROJECT NO.: 2111

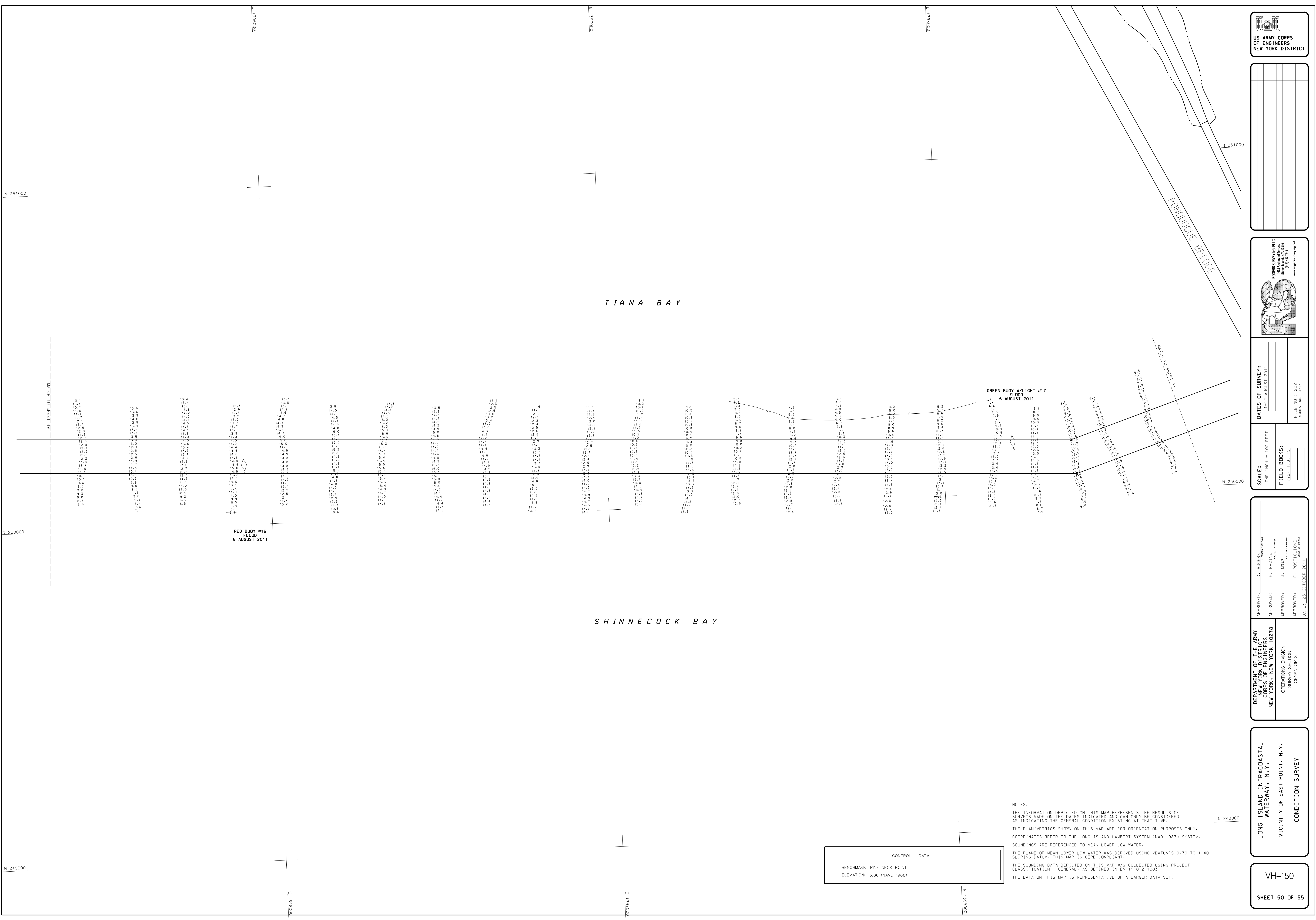
SCALE: ONE INCH = 100 FEET  
FIELD BOOKS: 722-1, 722-1.5

APPROVED: D. ROGERS  
APPROVED: P. BACINE  
APPROVED: J. WATSON  
APPROVED: F. POSTILLONE  
DATE: 25 OCTOBER 2011

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK DISTRICT  
OPERATIONS DIVISION  
SERVICES BRANCH  
CERAN-COS

LONG ISLAND INTRACASTAL WATERWAY, N.Y.  
VICINITY OF EAST POINT, N.Y.  
CONDITION SURVEY

VH-150  
SHEET 50 OF 55



CONTROL DATA  
BENCHMARK: PINE NECK POINT  
ELEVATION: 3.86 (NAVD 1988)

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLIPPING DATUM. THIS MAP IS CERO COMPLIANT.  
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

N 251000

N 249000

N 249000

E 138800

E 139100

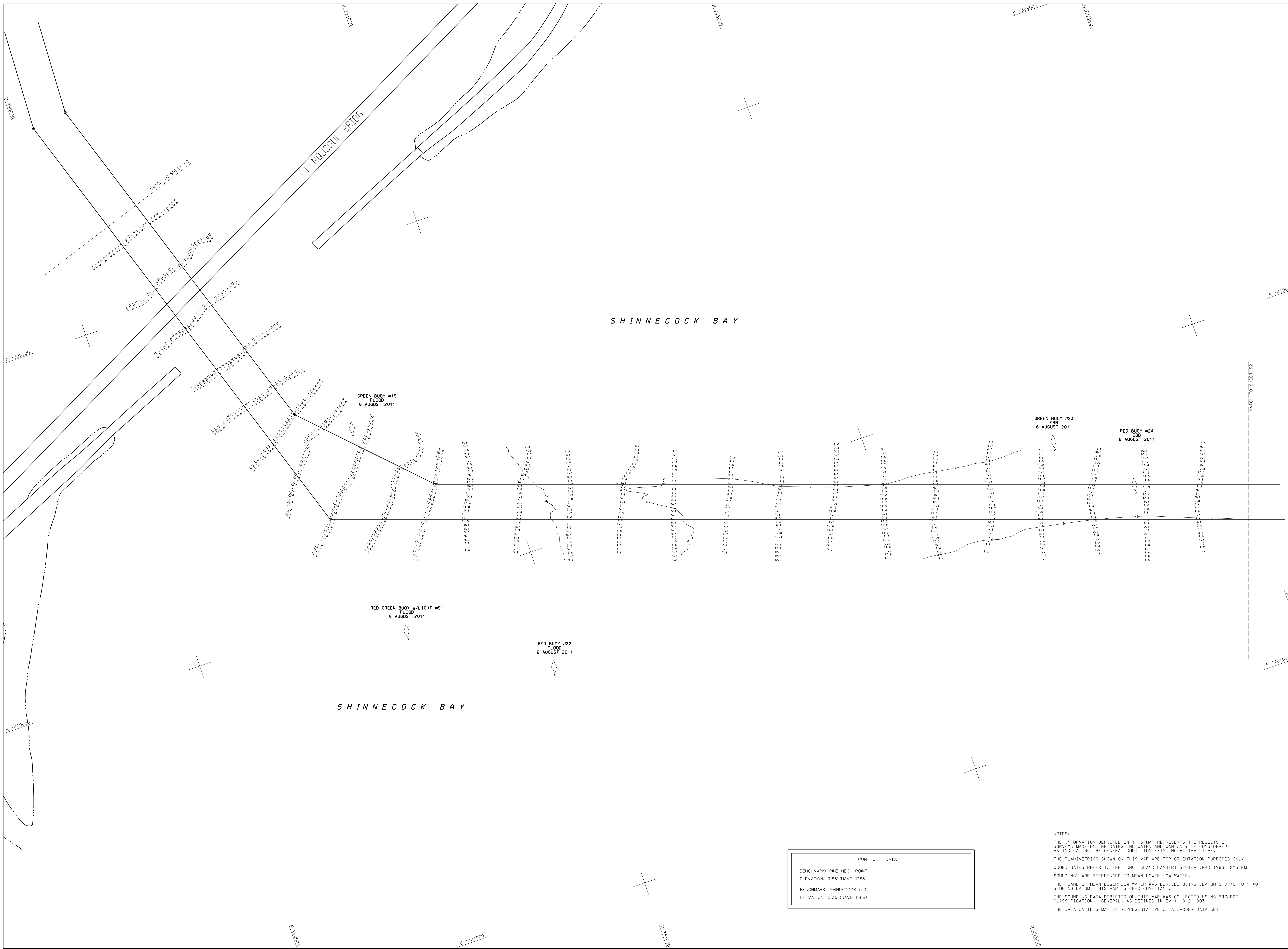
E 139400

E 138800

E 139100

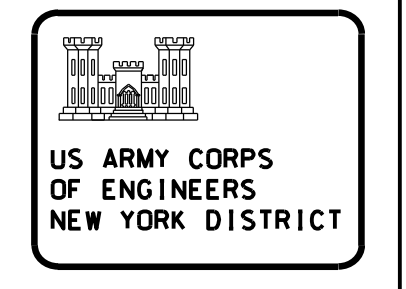
E 139400

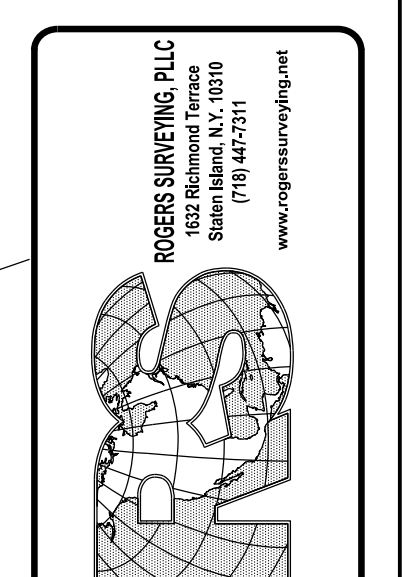
N 249000



CONTROL DATA	
BENCHMARK: PINE NECK POINT	ELEVATION: 3.86' (NAVD 1988)
BENCHMARK: SHINNECOCK C.G.	ELEVATION: 5.36' (NAVD 1988)

**NOTES:**  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
 THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.  
 THE COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM.  
 SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
 THE PLANE OF MEAN LOWER LOW WATER WAS DERIVED USING VDATUM'S 0.70 TO 1.40 SLOPING DATUM. THIS MAP IS DEF. COMPLIANT.  
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 THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.



**DATES OF SURVEY:**  
 1-12 AUGUST 2011

**SCALE:**  
 ONE INCH = 100 FEET

**FIELD BOOKS:**  
 732, 735, 737

**FILE NO.:** 222  
 REDETT NO. 1 2177

APPROVED: D. ROGERS DISTRICT ENGINEER  
 APPROVED: P. BRAKLE DISTRICT ASSISTANT ENGINEER  
 APPROVED: J. MAJORS DISTRICT ASSISTANT ENGINEER  
 APPROVED: F. FOSHLIGONE CHIEF OF BUREAU

DATE: 25 OCTOBER 2011

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

OPERATIONS DIVISION  
 SHINNECOCK BAY  
 CENAN-CP-3

LONG ISLAND INTRACOASTAL  
 WATERWAY - N. Y.  
 VICINITY OF PONDICQUE POINT - N. Y.  
 CONDITION SURVEY

VH-151

SHEET 51 OF 55

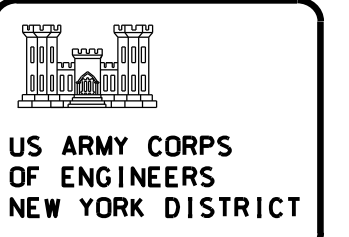
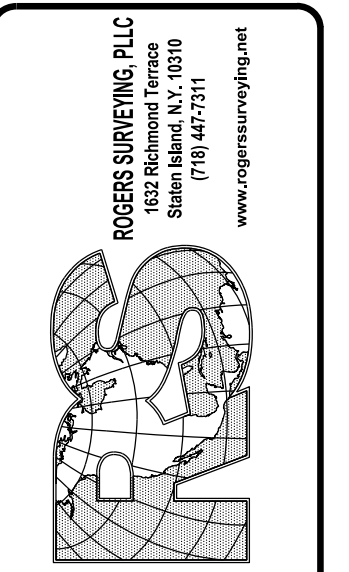


Table with 11 columns and 1 row, likely a metadata or revision table.

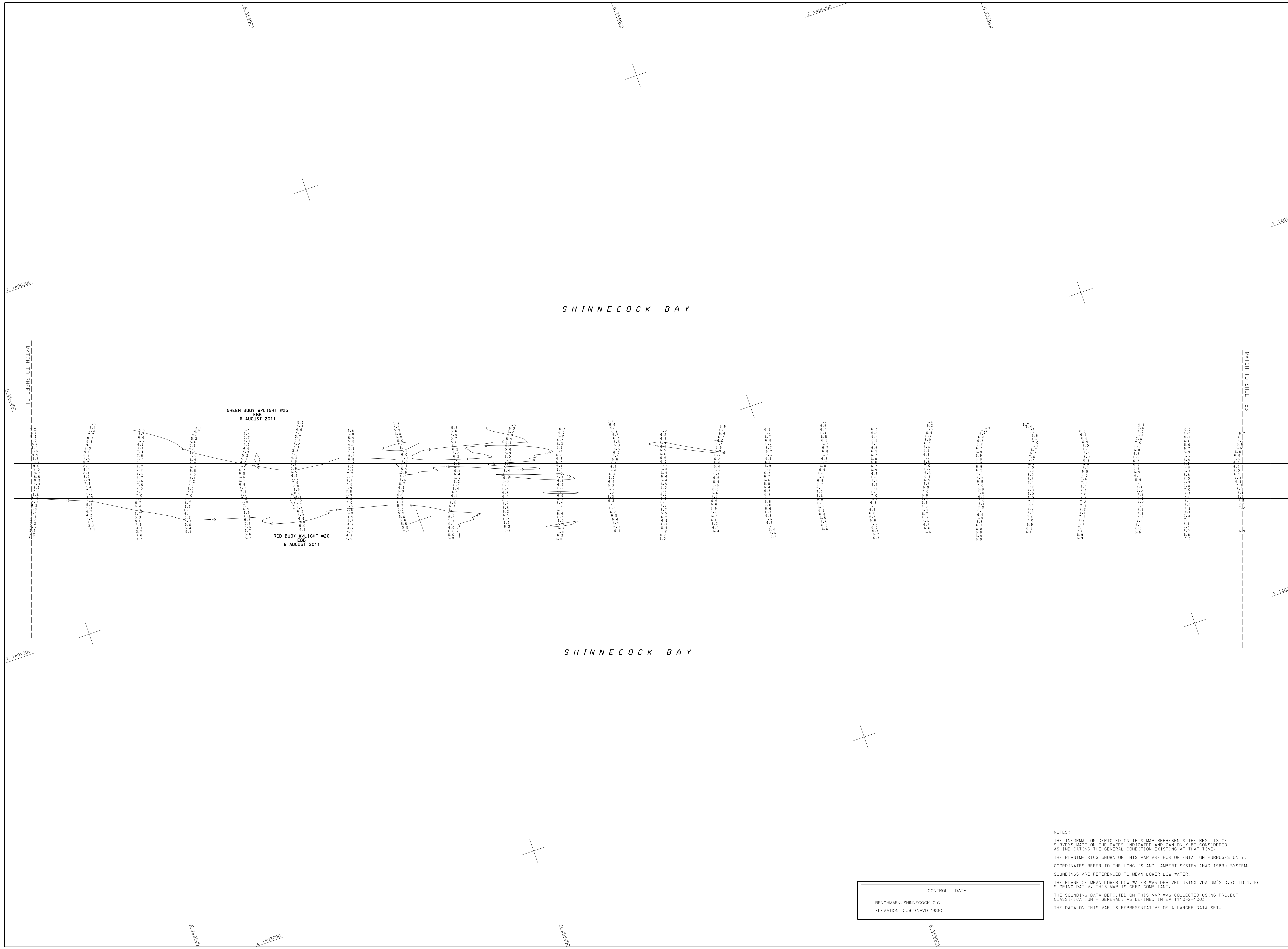


Scale: ONE INCH = 100 FEET, DATES OF SURVEY: 1-12 AUGUST 2011, FIELD BOOKS: 7122-1, 15

DEPARTMENT OF THE ARMY, OPERATIONS DIVISION, APPROVED: D. ROGERS, DATE: 25 OCTOBER 2011

LONG ISLAND INTRACASTAL WATERWAY, N.Y., VICINITY OF PONQUOGUE, N.Y., CONDITION SURVEY

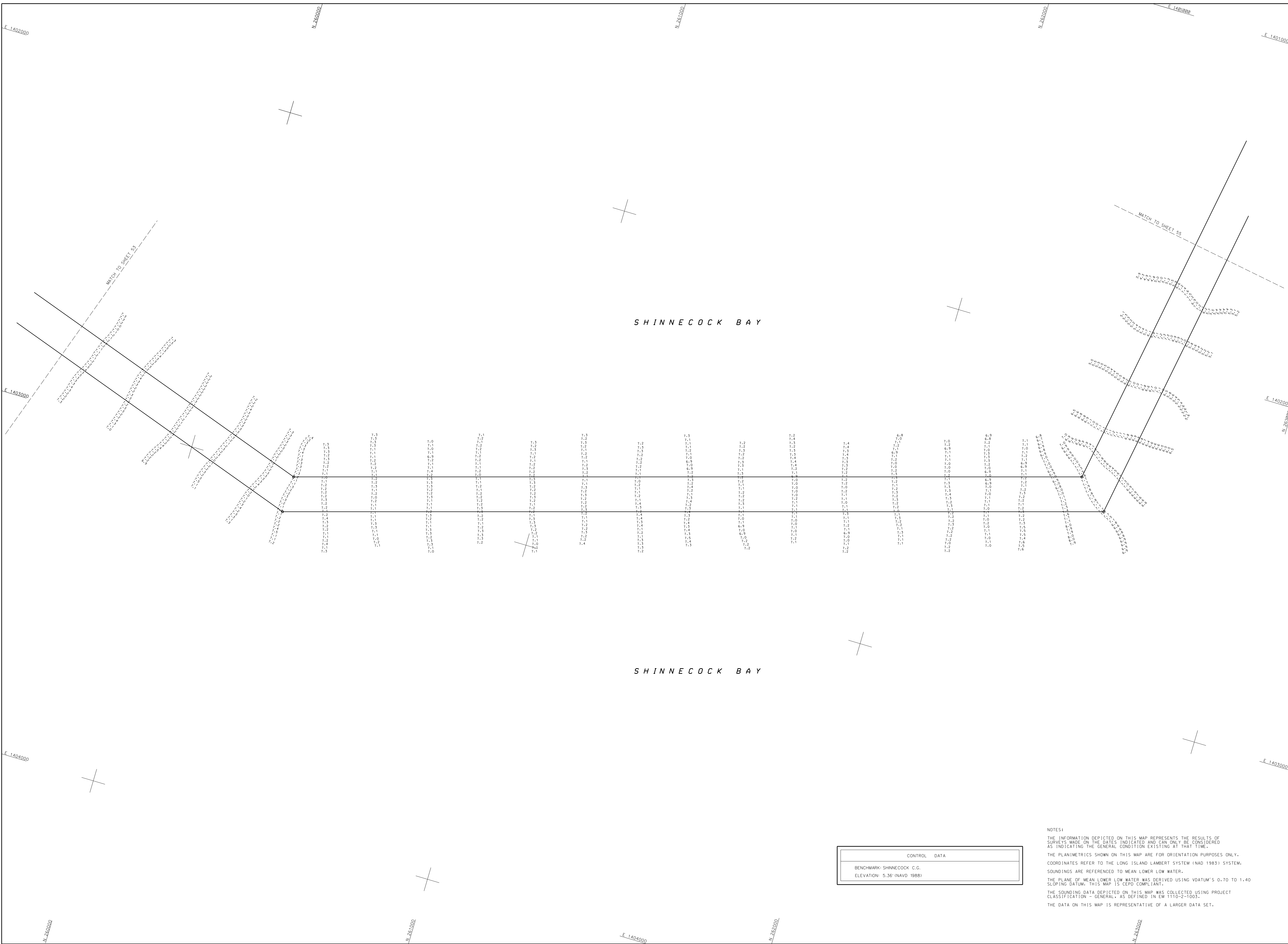
VH-152 SHEET 52 OF 55



CONTROL DATA BENCHMARK: SHINNECOCK C.G. ELEVATION: 5.36' (NAVD 1988)

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





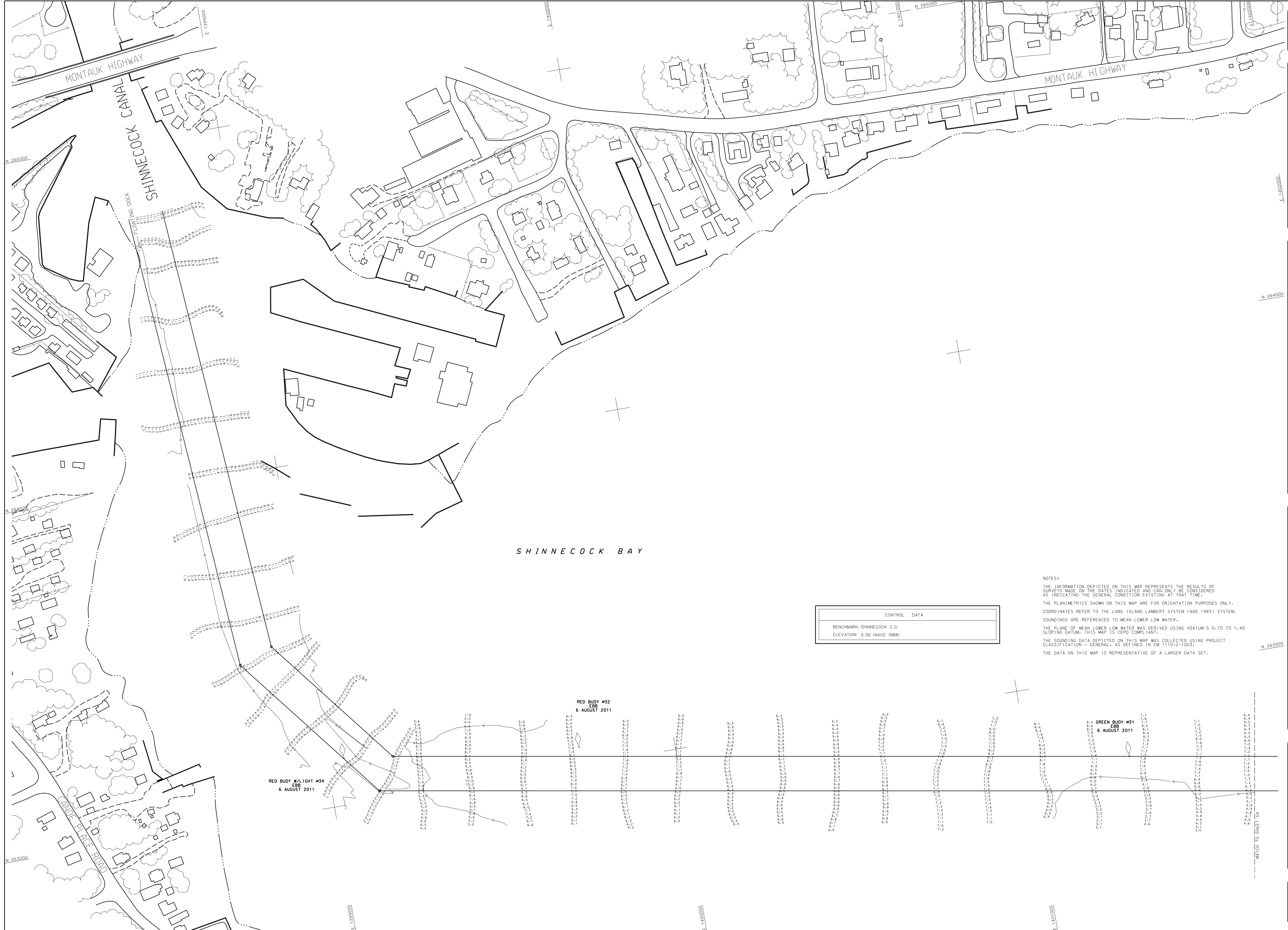
SHINNECOCK BAY

SHINNECOCK BAY

CONTROL DATA  
 BENCHMARK: SHINNECOCK C.G.  
 ELEVATION: 5.36' (NAVD 1988)

NOTES:  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
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 THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION - GENERAL, AS DEFINED IN EM 1110-2-1003.  
 THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

 US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT	
 ROBERT SUBJECTING S.A.L.C. 102 Boulevard Du Commerce Staten Island, NY 10314 (718) 442-1311 www.rogerssurveying.com	
DATES OF SURVEY: 1-12, AUGUST 2011	
SCALE: ONE INCH = 100 FEET FIELD BOOKS: 722-1-LS-15	
DEPARTMENT OF THE ARMY CORPS OF ENGINEERS NEW YORK - NEW YORK 10278	
OPERATIONS DIVISION SURVEYING BRANCH CERANK-QDS	
APPROVED: D. ROGERS APPROVED: P. BACLINE APPROVED: J. WATSON APPROVED: F. POSTILOVINE DATE: 15 OCTOBER 2011	
LONG ISLAND INTRACOASTAL WATERWAY - N. Y. VICINITY OF CORMORANT POINT CONDITION SURVEY	
VH-154 SHEET 54 OF 55	



SHINNECOCK BAY

CONTROL DATA

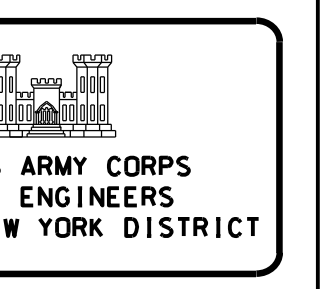
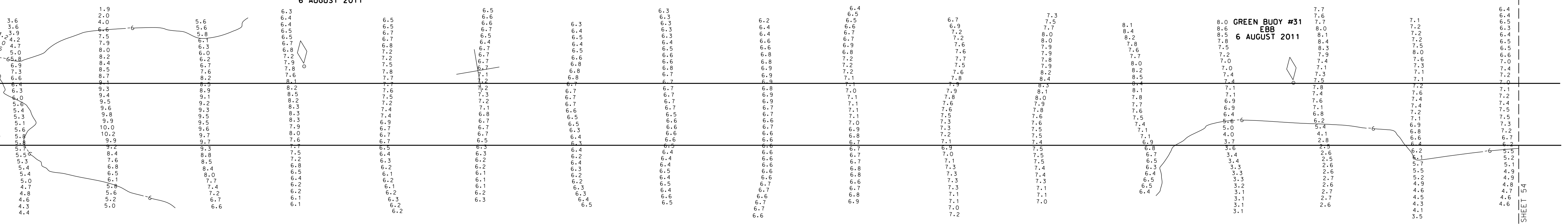
BENCHMARK SHINNECOCK C.G.  
ELEVATION: 5.36' (NAVD 1988)

NOTES:  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.  
THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983) SYSTEM. SOUNDINGS ARE REFERENCED TO MEAN LOWER LOW WATER.  
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THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

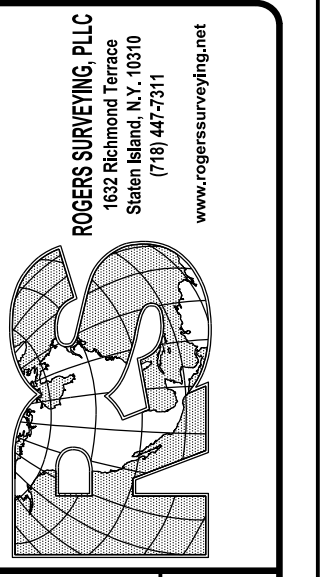
**RED BUOY #12**  
**EBB**  
**6 AUGUST 2011**

**GREEN BUOY #31**  
**EBB**  
**6 AUGUST 2011**

**RED BUOY #1 LIGHT #34**  
**EBB**  
**6 AUGUST 2011**



US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT



DATES OF SURVEY:  
FILE NO.: 222  
REQUEST NO.: 3717

SCALE: ONE INCH = 100 FEET  
FIELD BOOKS: 1722, 1753, 15

APPROVED: D. BOGERS, DISTRICT ENGINEER  
APPROVED: P. BACINE, DISTRICT ENGINEER  
APPROVED: J. MIRA, DISTRICT ENGINEER  
APPROVED: F. DODDLE, DISTRICT ENGINEER  
DATE: 25 OCTOBER 2011

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW YORK, NEW YORK 10278  
OPERATIONS DIVISION  
SURVEYING SECTION  
CENNA-OPS

LONG ISLAND INTRACOASTAL WATERWAY - N. Y.  
VICINITY OF SHINNECOCK CANAL  
CONDITION SURVEY

VH-155  
SHEET 55 OF 55