NEW JERSEY MARINE TERMINAL ELIZABETH, NEW JERSEY

HYDROGRAPHIC SURVEY ALL BERTHS - SUMMER 2011

PREPARED FOR

THE PORTAUTHORITY

OFNY SNJ



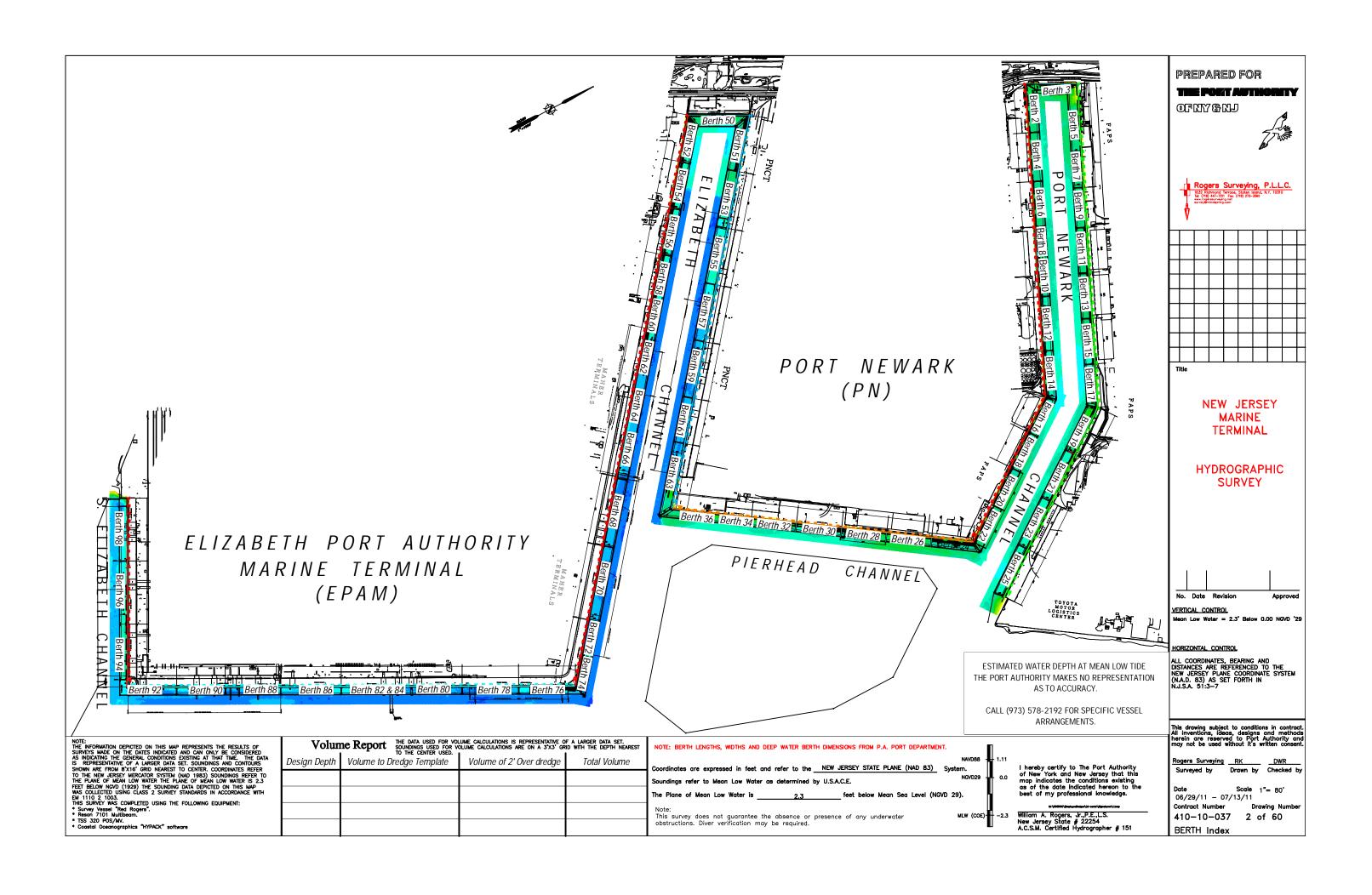
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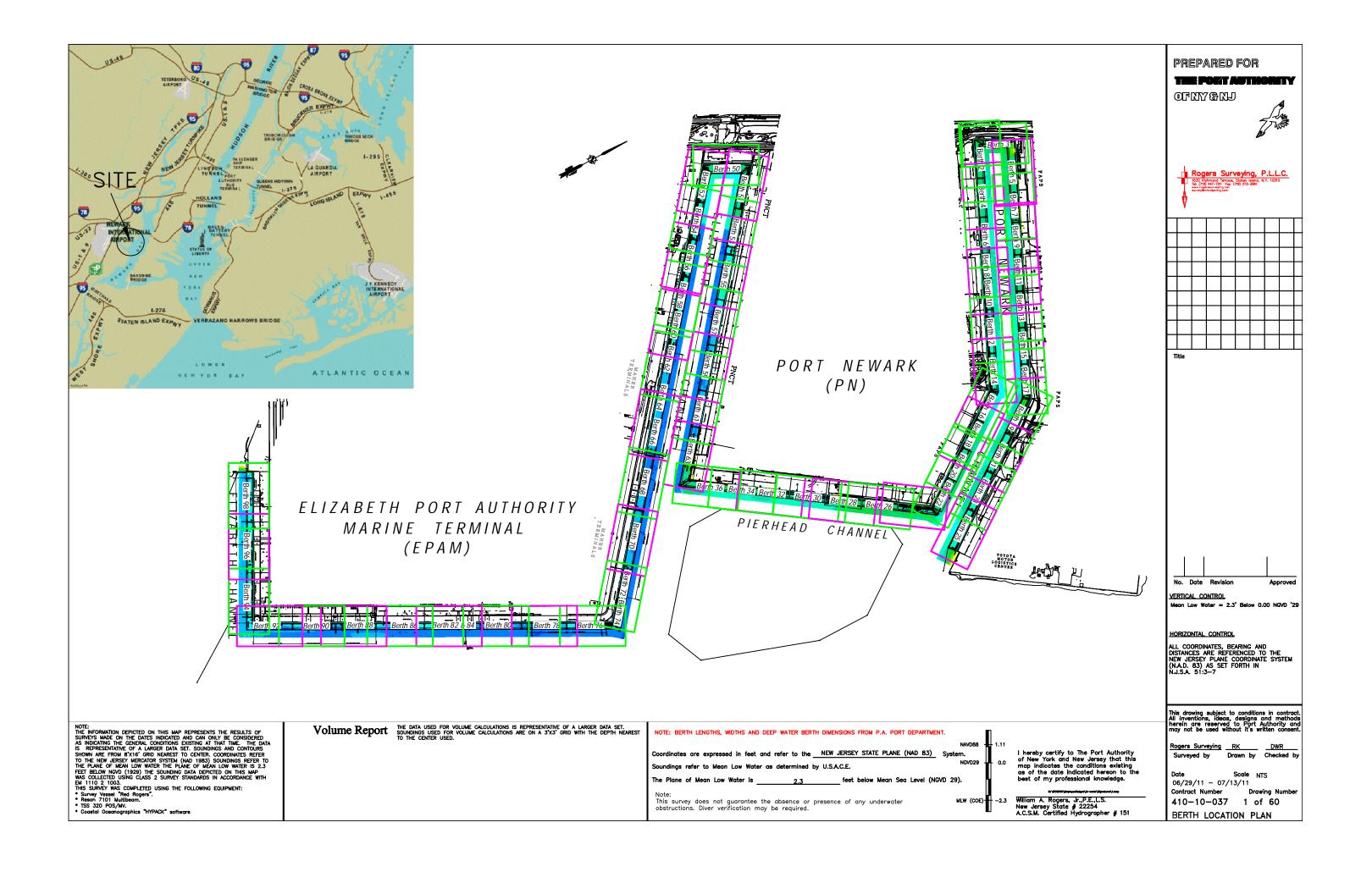


Vicinity Map



FILE No : 35396







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Summer 2011 NJMT Volume Calculations 8/10/2011

The data used for volume calculations is representative of a larger data set. Soundings used for volume calculations are on a 3'X3' grid with the depth nearest to center.

Data was collected between 06/29/11 and 07/13/11 by Rogers Surveying PLLC for the Port Authority of New York and New Jersey.

BERTH 2

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	952	3284	4236
	0	0	0
	0	0	0
Totals	952	3284	4236

BERTH 3

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	6337	2180	8517
	0	0	0
	0	0	0
Totals	6337	2180	8517

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	8	1779	1787
	0	0	0
	0	0	0
Totals	8	1779	1787

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	10559	5612	16171
	0	0	0
	0	0	0
Totals	10559	5612	16171

BERTH 6

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	331	1694	2025
	0	0	0
	0	0	0
Totals	331	1694	2025

BERTH 7

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	10559	5612	16171
	0	0	0
	0	0	0
Totals	10559	5612	16171

BERTH 8

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	245	592	836
40'	11045	6967	18013
	0	0	0
Totals	11290	7559	18849

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	50	726	776
	0	0	0
	0	0	0
Totals	50	726	776

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	245	592	836
40'	11045	6967	18013
	0	0	0
Totals	11290	7559	18849

BERTH 11

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
32'	2	18	21
35'	17	1360	1377
	0	0	0
Totals	19	1378	1398

BERTH 12

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	136	456	592
40'	1514	4478	5992
	0	0	0
Totals	1649	4934	6584

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
32'	0	72	72
35'	1	1015	1015
	0	0	0
Totals	1	1086	1087

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	11	210	221
40'	851	3322	4173
	0	0	0
Totals	862	3532	4394

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
32'	0	61	61
35'	2	836	838
	0	0	0
Totals	2	898	899

BERTH 16

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	397	572	968
38'	1771	3163	4934
	0	0	0
Totals	2167	3735	5902

BERTH 17

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	37	768	805
	0	0	0
	0	0	0
Totals	37	768	805

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	36	293	328
38'	61	2738	2799
	0	0	0
Totals	96	3031	3127

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
34'	1746	751	2496
35'	7897	4515	12412
	0	0	0
Totals	9642	5266	14908

BERTH 20

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	215	484	699
38'	933	4042	4976
	0	0	0
Totals	1148	4527	5675

BERTH 21

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	0	47	47
40'	1579	5340	6919
	0	0	0
Totals	1579	5386	6965

BERTH 22

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	7434	4960	12394
38'	1024	594	1617
	0	0	0
Totals	8458	5553	14011

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
40'	1010	5672	6682
	0	0	0
	0	0	0
Totals	1010	5672	6682

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	645	622	1267
38'	769	654	1423
40'	3043	3381	6424
Totals	4457	4657	9114

BERTH 25

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
40'	808	4837	5645
	0	0	0
	0	0	0
Totals	808	4837	5645

BERTH 26

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	3657	4519	8176
	0	0	0
	0	0	0
Totals	3657	4519	8176

BERTH 28

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	2211	3572	5782
40'	139	136	275
	0	0	0
Totals	2349	3708	6057

BERTH 30

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	1012	954	1966
40'	306	2549	2855
	0	0	0
Totals	1317	3503	4821

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35' N	1557	555	2112
40'	2487	1325	3812

35'	3192	2104	5296
Totals	7237	3984	11220

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
36'	4405	2468	6873
	0	0	0
	0	0	0
Totals	4405	2468	6873

BERTH 36

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
36'	10593	5234	15826
	0	0	0
	0	0	0
Totals	10593	5234	15826

BERTH 50

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
35'	757	4142	4899
	0	0	0
	0	0	0
Totals	757	4142	4899

BERTH 51

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
37'	515	1040	1555
38'	360	764	1123
40'	4291	3799	8090
Totals	5165	5602	10768

BERTH 52

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
37'	875	894	1769
38'	406	626	1031
40'	2230	3076	5306
Totals	3510	4595	8106

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume

35'	60	1975	2035
40'	2	214	216
	0	0	0
Totals	63	2189	2252

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
37'	1028	917	1944
38'	353	650	1003
40'	1422	3357	4779
Totals	2803	4923	7726

BERTH 55

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
40'	949	2429	3378
	0	0	0
	0	0	0
Totals	949	2429	3378

BERTH 56

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
37'	21	150	172
38'	0	58	58
40'	6	505	511
Totals	27	713	740

BERTH 57

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
50'	1370	2563	3933
40'	177	300	477
	0	0	0
Totals	1547	2864	4410

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
37'	73	264	338
38'	0	32	32
40'	0	190	190
Totals	74	486	560

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
50'	1127	2652	3778
	0	0	0
	0	0	0
Totals	1127	2652	3778

BERTH 60

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
37'	62	197	259
38'	0	2	2
40'	0	278	278
Totals	62	477	539

BERTH 61

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
50'	2648	4860	7508
	0	0	0
	0	0	0
Totals	2648	4860	7508

BERTH 62 64

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
37'	48	217	266
38'	0	51	51
40'	3	129	132
50'	1467	4030	5497
Totals	1519	4428	5814

BERTH 63

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
36'	4813	2657	7471
50'	2394	2646	5041
	0	0	0
Totals	7208	5304	12511

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
45'	853	2643	3497
	0	0	0

	0	0	0
Totals	853	2643	3497

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
50'	1869	4011	5880
	0	0	0
	0	0	0
Totals	1869	4011	5880

BERTH 70

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
50'	3349	6136	9485
	0	0	0
	0	0	0
Totals	3349	6136	9485

BERTH 72 - 74

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
50'	49	1981	2030
37'	0	316	316
38'	0	948	948
Totals	49	3245	3294

BERTH 76

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
37'	67	0	67
38'	0	11	11
40'	0	0	0
50'	5281	0	5281
Totals	5349	11	5360

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
50'	270	2529	2799
	0	0	0
	0	0	0
Totals	270	2529	2799

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
50'	215	3854	4069
	0	0	0
	0	0	0
Totals	215	3854	4069

BERTH 82 - 84

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
50'	10487	5599	16086
	0	0	0
	0	0	0
Totals	10487	5599	16086

BERTH 86

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
50'	5210	4537	9747
	0	0	0
	0	0	0
Totals	5210	4537	9747

BERTH 88

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
50'	6159	4277	10436
	0	0	0
	0	0	0
Totals	6159	4277	10436

BERTH 90

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
50'	6065	4133	10199
	0	0	0
	0	0	0
Totals	6065	4133	10199

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
50'	2252	1437	3689
	1177	1071	2248
	0	0	0

Totals	3428	2508	5936

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
40'	1979	3382	5361
45'	490	260	750
	0	0	0
Totals	2469	3642	6111

BERTH 96

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
40'	127	560	687
45'	1407	2022	3429
	0	0	0
Totals	1534	2582	4116

DESIGN DEPTH	Volume to Dredge Temp	Volume of 2' Over Dredge	Total Volume
45'	2506	2775	5281
	0	0	0
	0	0	0
Totals	2506	2775	5281

