



BERTH COORDINATE LIST			
Point	Northing	Easting	Depth (MLW)
301	680148.968	588326.789	35.00
302	680038.209	588317.002	35.00
303	679673.225	588153.424	35.00
304	679598.373	588032.929	35.00

PREPARED FOR

THE PORT AUTHORITY
OF NY & NJ

ROGERS SURVEYING, PLLC
1882 Highway 7, Suite 100
Staten Island, N.Y. 10310
(718) 447-7911
www.rogerssurveying.net

Title

NEW JERSEY
MARINE
TERMINAL

HYDROGRAPHIC
SURVEY

No.	Date	Revision	Approved
VERTICAL CONTROL			
Mean Low Water = 2.3' Below 0.00 NGVD '29			
HORIZONTAL CONTROL			
ALL COORDINATES, BEARING AND DISTANCES ARE REFERENCED TO THE NEW JERSEY PLANE COORDINATE SYSTEM (N.A.D. 83) AS SET FORTH IN N.J.S.A. 51:3-7			

This drawing subject to conditions in contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without it's written consent.

Rogers Surveying

Surveyed by

Contract Number

410-12-037

BERTH 3

BW

Drawn by

Drawing Number

4 of 60

DWR

Checked by

Date

12/10/12-01/17/13

Scale 1" = 80'

William A. Rogers, Jr., P.E., L.S.

New Jersey State # 22254

A.C.S.M. Certified Hydrographer # 151

NOTE: 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 CONDITIONS EXISTING AT THAT TIME. THE DATA IS REPRESENTATIVE OF A LARGER DATA SET. SOUNDINGS AND CONTOURS SHOWN ARE FROM 8'X16" GRID NEAREST TO CENTER. COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983). SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER THE PLANE OF MEAN LOW WATER IS 2.3 FEET BELOW NGVD (1929) THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING CLASS 2 SURVEY STANDARDS IN ACCORDANCE WITH EM 1110 2.1003.

THIS SURVEY WAS COMPLETED USING THE FOLLOWING EQUIPMENT:

- Survey Vessel "Red Rogers"
- Reson 7101 Multibeam
- TSS 320 POS/MV
- Coastal Oceanographics "HYPACK" software

Volume Report			
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 THE CENTER USED.			
Design Depth	Volume to Dredge Template	Volume of 2' Over dredge	Total Volume
35'	7,196 yd3	2,181 yd3	9,377 yd3
TOTAL	7,196 yd3	2,181 yd3	9,377 yd3

NOTE: BERTH LENGTHS, WIDTHS AND DEEP WATER BERTH DIMENSIONS FROM P.A. PORT DEPARTMENT.

Coordinates are expressed in feet and refer to the NEW JERSEY STATE PLANE (NAD 83) System.

Soundings refer to Mean Low Water as determined by U.S.A.C.E.

The Plane of Mean Low Water is 2.3 feet below Mean Sea Level (NGVD 29).

Note: This survey does not guarantee the absence or presence of any underwater obstructions. Diver verification may be required.

NAVD88 3.42
NGVD29 2.30
MLW (N.O.A.A.) 0.67
MLW (COE) & SURVEY 0.00

I hereby certify to The Port Authority of New York and New Jersey that this map indicates the conditions existing as of the date indicated hereon to the best of my professional knowledge.

William A. Rogers, Jr.
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