

Title

No.	Date	Revision	Approved
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VERTICAL CONTROL
Mean Low Water = 2.3' Below 0.00 NGVD '2

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.

<u>Rogers Surveying</u>	<u>BW</u>	<u>DWR</u>
Surveyed by	Drawn by	Checked by

Date 12/10/12-01/17/13 Scale NTS
Contract Number 410-12-037 Drawing Number 1 of 60
BERTH LOCATION PLAN

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"x10" GRID NEAREST TO CENTER. COORDINATES REFER TO THE NEWER ELEVATION DATUM (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:

- 1 Survey Vessel "Red Rogers"
- 1 Reson 7101 Multibeam
- 1 TSS 320 POS/VN
- 1 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.

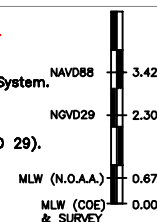
NOTE: BERTH LENGTHS, WIDTHS AND DEEP WATER BERTH DIMENSIONS FROM P.A. PORT DEPARTMENT.

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.



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

87 *William A. Rogers*
00 William A. Rogers, Jr., P.E., L.S.
New Jersey State # 22254
A.C.S.M. Certified Hydrographer # 151