



| BERTH COORDINATE LIST | | | |
|-----------------------|------------|------------|-------------|
| Point | Northing | Easting | Depth (MLW) |
| 5101 | 675665.322 | 587260.642 | 37.00 |
| 5102 | 675649.760 | 587248.080 | 37.00 |
| 5103 | 676101.707 | 586687.716 | 37.00 |
| 5104 | 676132.880 | 586680.924 | 37.00 |
| 5105 | 675649.760 | 587248.080 | 38.00 |
| 5106 | 675638.088 | 587238.658 | 38.00 |
| 5107 | 676078.328 | 586692.811 | 38.00 |
| 5108 | 676101.707 | 586687.716 | 38.00 |
| 5109 | 675638.088 | 587238.658 | 40.00 |
| 5110 | 675561.860 | 587177.129 | 40.00 |
| 5111 | 675925.998 | 586726.004 | 40.00 |
| 5112 | 676078.328 | 586692.811 | 40.00 |

PREPARED FOR
THE PORT AUTHORITY
OF NY & NJ



A blank 10x10 grid for graphing, consisting of 10 columns and 10 rows of squares.

| | |
|--------------|--|
| Title | |
|--------------|--|

NEW JERSEY
MARINE
TERMINALHYDROGRAPHIC
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.

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

Date 07/25/12-07/31/12 Scale 1"= 80'

Contract Number 410-12-037 Drawing Number 33 of 60

BERTH 51

| 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 |
| 37' | 580 yd3 | 1,026 yd3 | 1,606 yd3 |
| 38' | 349 yd3 | 746 yd3 | 1,095 yd3 |
| 40' | 4,951 yd3 | 3,916 yd3 | 8,867 yd3 |
| TOTAL | 5.880 yd3 | 5.688 yd3 | 11,568 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.

