

FARRELL AND NORTON NAVAL ARCHITECTS

DISPLACEMENT TABLE SEI 900 HOPPER BARGE RAKED BOW

Deck @ 12'-0" above bottom @ side - Freeboards from midship

| Draft | Freeboard | Displ. | | Draft | Freeboard | Displ. | | Draft | Freeboard | Displ. |
|-------|-----------|---------|--|-------|-----------|---------|--|--------|-----------|---------|
| 1.000 | 11.000 | 374.9 | | 4.833 | 7.167 | 1,920.3 | | 8.667 | 3.333 | 3,509.3 |
| 1.083 | 10.917 | 407.7 | | 4.917 | 7.083 | 1,954.4 | | 8.750 | 3.250 | 3,544.2 |
| 1.167 | 10.833 | 440.7 | | 5.000 | 7.000 | 1,988.6 | | 8.833 | 3.167 | 3,579.1 |
| 1.250 | 10.750 | 473.6 | | 5.083 | 6.917 | 2,022.8 | | 8.917 | 3.083 | 3,614.0 |
| 1.333 | 10.667 | 506.7 | | 5.167 | 6.833 | 2,057.0 | | 9.000 | 3.000 | 3,649.0 |
| 1.417 | 10.583 | 539.7 | | 5.250 | 6.750 | 2,091.3 | | 9.083 | 2.917 | 3,684.0 |
| 1.500 | 10.500 | 572.8 | | 5.333 | 6.667 | 2,125.5 | | 9.167 | 2.833 | 3,718.9 |
| 1.583 | 10.417 | 606.0 | | 5.417 | 6.583 | 2,159.8 | | 9.250 | 2.750 | 3,753.9 |
| 1.667 | 10.333 | 639.1 | | 5.500 | 6.500 | 2,194.1 | | 9.333 | 2.667 | 3,789.0 |
| 1.750 | 10.250 | 672.3 | | 5.583 | 6.417 | 2,228.4 | | 9.417 | 2.583 | 3,824.0 |
| 1.833 | 10.167 | 705.5 | | 5.667 | 6.333 | 2,262.7 | | 9.500 | 2.500 | 3,859.0 |
| 1.917 | 10.083 | 738.8 | | 5.750 | 6.250 | 2,297.0 | | 9.583 | 2.417 | 3,894.1 |
| 2.000 | 10.000 | 772.1 | | 5.833 | 6.167 | 2,331.4 | | 9.667 | 2.333 | 3,929.2 |
| 2.083 | 9.917 | 805.4 | | 5.917 | 6.083 | 2,365.8 | | 9.750 | 2.250 | 3,964.3 |
| 2.167 | 9.833 | 838.8 | | 6.000 | 6.000 | 2,400.2 | | 9.833 | 2.167 | 3,999.4 |
| 2.250 | 9.750 | 872.2 | | 6.083 | 5.917 | 2,434.6 | | 9.917 | 2.083 | 4,034.5 |
| 2.333 | 9.667 | 905.6 | | 6.167 | 5.833 | 2,469.0 | | 10.000 | 2.000 | 4,069.6 |
| 2.417 | 9.583 | 939.0 | | 6.250 | 5.750 | 2,503.4 | | | | |
| 2.500 | 9.500 | 972.5 | | 6.333 | 5.667 | 2,537.9 | | | | |
| 2.583 | 9.417 | 1,006.1 | | 6.417 | 5.583 | 2,572.4 | | | | |
| 2.667 | 9.333 | 1,039.6 | | 6.500 | 5.500 | 2,606.9 | | | | |
| 2.750 | 9.250 | 1,073.2 | | 6.583 | 5.417 | 2,641.4 | | | | |
| 2.833 | 9.167 | 1,106.8 | | 6.667 | 5.333 | 2,675.9 | | | | |
| 2.917 | 9.083 | 1,140.4 | | 6.750 | 5.250 | 2,710.4 | | | | |
| 3.000 | 9.000 | 1,174.1 | | 6.833 | 5.167 | 2,745.0 | | | | |
| 3.083 | 8.917 | 1,207.8 | | 6.917 | 5.083 | 2,779.6 | | | | |
| 3.167 | 8.833 | 1,241.4 | | 7.000 | 5.000 | 2,814.2 | | | | |
| 3.250 | 8.750 | 1,275.2 | | 7.083 | 4.917 | 2,848.8 | | | | |
| 3.333 | 8.667 | 1,308.9 | | 7.167 | 4.833 | 2,883.4 | | | | |
| 3.417 | 8.583 | 1,342.7 | | 7.250 | 4.750 | 2,918.1 | | | | |
| 3.500 | 8.500 | 1,376.5 | | 7.333 | 4.667 | 2,952.7 | | | | |
| 3.583 | 8.417 | 1,410.3 | | 7.417 | 4.583 | 2,987.4 | | | | |
| 3.667 | 8.333 | 1,444.1 | | 7.500 | 4.500 | 3,022.1 | | | | |
| 3.750 | 8.250 | 1,478.0 | | 7.583 | 4.417 | 3,056.8 | | | | |
| 3.833 | 8.167 | 1,511.9 | | 7.667 | 4.333 | 3,091.5 | | | | |
| 3.917 | 8.083 | 1,545.8 | | 7.750 | 4.250 | 3,126.2 | | | | |
| 4.000 | 8.000 | 1,579.7 | | 7.833 | 4.167 | 3,161.0 | | | | |
| 4.083 | 7.917 | 1,613.7 | | 7.917 | 4.083 | 3,195.7 | | | | |
| 4.167 | 7.833 | 1,647.7 | | 8.000 | 4.000 | 3,230.5 | | | | |
| 4.250 | 7.750 | 1,681.7 | | 8.083 | 3.917 | 3,265.3 | | | | |
| 4.333 | 7.667 | 1,715.7 | | 8.167 | 3.833 | 3,300.1 | | | | |
| 4.417 | 7.583 | 1,749.7 | | 8.250 | 3.750 | 3,334.9 | | | | |
| 4.500 | 7.500 | 1,783.8 | | 8.333 | 3.667 | 3,369.8 | | | | |
| 4.583 | 7.417 | 1,817.9 | | 8.417 | 3.583 | 3,404.6 | | | | |
| 4.667 | 7.333 | 1,852.0 | | 8.500 | 3.500 | 3,439.5 | | | | |
| 4.750 | 7.250 | 1,886.1 | | 8.583 | 3.417 | 3,474.4 | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Draft/Freeboards are
in decimal feet (inch increments)

Calculated for FW

Displacements are in
Short Tons (2000 lbs)

SEI 900 HOPPER BARGE TPI (RAKED BOW)
Displacement (Fresh Water) vs. Freeboard

