

TABLE A

Draft Ft - Inches	Freeboard Inches	Vessel in Sea Water			Vessel in Fresh Water			Max. Cargo Height Ft abv. Dk.	Max. Cargo VCG Ft abv. dk	
		Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons	Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons			
17	5	55.69	16,667.84	12,956.87	95.19	16,261.31	12,550.33	92.87	NA	NA
17	4	56.69	16,572.69	12,861.72	95.13	16,168.48	12,457.50	92.81	NA	NA
17	3	57.69	16,477.61	12,766.64	95.08	16,075.72	12,364.74	92.76	NA	NA
17	2	58.69	16,382.58	12,671.61	95.02	15,983.00	12,272.03	92.70	NA	NA
17	1.50	59.19	16,335.10	12,624.13	94.99	15,936.68	12,225.71	92.67	84.58	23.33
17	1	59.69	16,287.62	12,576.65	94.95	15,890.36	12,179.39	92.63	84.90	23.76
17	0	60.69	16,192.71	12,481.74	94.89	15,797.77	12,086.79	92.58	85.54	24.62
16	11	61.69	16,097.88	12,386.91	94.81	15,705.25	11,994.27	92.50	86.18	25.47
16	10	62.69	16,003.14	12,292.17	94.72	15,612.82	11,901.85	92.41	86.82	26.33
16	9	63.69	15,908.48	12,197.51	94.63	15,520.47	11,809.49	92.32	87.46	27.18
16	8	64.69	15,813.90	12,102.93	94.54	15,428.20	11,717.22	92.23	88.09	28.03
16	7	65.69	15,719.40	12,008.43	94.46	15,336.00	11,625.03	92.16	88.73	28.89
16	6	66.69	15,624.99	11,914.02	94.38	15,243.89	11,532.92	92.08	89.36	29.74
16	5	67.69	15,530.59	11,819.62	94.39	15,151.80	11,440.82	92.09	90.00	30.59
16	4	68.69	15,436.28	11,725.31	94.30	15,059.79	11,348.81	92.00	90.63	31.44
16	3	69.69	15,342.07	11,631.10	94.19	14,967.87	11,256.90	91.89	91.27	32.29
16	2	70.69	15,247.95	11,536.98	94.08	14,876.05	11,165.07	91.79	91.90	33.14
16	1	71.69	15,153.95	11,442.98	93.96	14,784.34	11,073.37	91.67	92.53	33.99
16	0	72.69	15,060.06	11,349.09	93.84	14,692.74	10,981.77	91.55	93.17	34.83
15	11	73.69	14,966.29	11,255.32	93.72	14,601.26	10,890.28	91.43	93.86	35.76
15	10	74.69	14,872.64	11,161.67	93.59	14,509.89	10,798.92	91.31	94.55	36.68
15	9	75.69	14,779.11	11,068.14	93.48	14,418.64	10,707.67	91.20	95.24	37.60
15	8	76.69	14,685.69	10,974.72	93.36	14,327.50	10,616.53	91.08	95.93	38.52
15	7	77.69	14,592.36	10,881.39	93.35	14,236.45	10,525.47	91.07	96.62	39.44
15	6	78.69	14,499.11	10,788.14	93.23	14,145.47	10,434.50	90.96	97.31	40.36
15	5	79.69	14,405.99	10,695.02	93.07	14,054.62	10,343.65	90.80	98.00	41.27
15	4	80.69	14,313.03	10,602.06	92.91	13,963.93	10,252.96	90.64	98.68	42.19
15	3	81.69	14,220.21	10,509.24	92.76	13,873.38	10,162.40	90.50	99.37	43.10
15	2	82.69	14,127.54	10,416.57	92.61	13,782.97	10,071.99	90.35	100.05	44.01
15	1	83.69	14,035.01	10,324.04	92.47	13,692.69	9,981.72	90.21	100.73	44.92
15	0	84.69	13,942.61	10,231.64	92.33	13,602.55	9,891.57	90.08	101.42	45.83
14	11	85.69	13,850.35	10,139.38	92.20	13,512.54	9,801.56	89.95	102.25	46.66
14	10	86.69	13,758.22	10,047.25	92.05	13,422.65	9,711.68	89.80	103.09	47.48
14	9	87.69	13,666.12	9,955.15	92.45	13,332.80	9,621.83	90.20	103.92	48.30
14	8	88.69	13,573.83	9,862.86	92.32	13,242.76	9,531.79	90.07	104.76	49.12
14	7	89.69	13,481.66	9,770.69	92.20	13,152.84	9,441.86	89.95	105.59	49.94
14	6	90.69	13,389.63	9,678.66	92.07	13,063.05	9,352.08	89.82	106.43	50.76

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		Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons	Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons			
14	5	91.69	13,297.45	9,586.48	92.17	12,973.12	9,262.15	89.92	107.26	51.58
14	4	92.69	13,205.47	9,494.50	92.01	12,883.39	9,172.41	89.77	108.10	52.40
14	3	93.69	13,113.63	9,402.66	91.85	12,793.79	9,082.81	89.61	108.93	53.22
14	2	94.69	13,021.94	9,310.97	91.71	12,704.33	8,993.36	89.47	109.76	54.04
14	1	95.69	12,930.36	9,219.39	91.57	12,614.99	8,904.01	89.34	110.59	54.85
14	0	96.69	12,838.93	9,127.96	91.43	12,525.79	8,814.81	89.20	111.42	55.67
13	11	97.69	12,747.61	9,036.64	91.31	12,436.69	8,725.72	89.08	112.32	56.12
13	10	98.69	12,656.42	8,945.45	91.18	12,347.73	8,636.75	88.96	113.22	56.58
13	9	99.69	12,565.35	8,854.38	91.07	12,258.88	8,547.90	88.85	114.12	57.03
13	8	100.69	12,474.40	8,763.43	90.95	12,170.15	8,459.17	88.73	115.02	57.48
13	7	101.69	12,383.55	8,672.58	90.85	12,081.51	8,370.54	88.63	115.92	57.93
13	6	102.69	12,292.82	8,581.85	90.74	11,993.00	8,282.02	88.53	116.81	58.39
13	5	103.69	12,202.20	8,491.23	90.62	11,904.59	8,193.61	88.41	117.71	58.84
13	4	104.69	12,111.72	8,400.75	90.49	11,816.31	8,105.34	88.28	118.60	59.29
13	3	105.69	12,021.37	8,310.40	90.35	11,728.17	8,017.19	88.15	119.50	59.74
13	2	106.69	11,931.16	8,220.19	90.23	11,640.16	7,929.18	88.03	120.39	60.19
13	1	107.69	11,841.07	8,130.10	90.10	11,552.26	7,841.29	87.90	121.28	60.64
13	0	108.69	11,751.03	8,040.06	90.20	11,464.42	7,753.45	88.00	122.17	61.08
12	11	109.69	11,661.01	7,950.04	90.03	11,376.60	7,665.62	87.83	123.17	61.59
12	10	110.69	11,571.14	7,860.17	89.87	11,288.92	7,577.94	87.68	124.18	62.09
12	9	111.69	11,481.41	7,770.44	89.72	11,201.38	7,490.40	87.53	125.19	62.59
12	8	112.69	11,391.81	7,680.84	89.58	11,113.96	7,402.99	87.40	126.19	63.10
12	7	113.69	11,302.35	7,591.38	89.44	11,026.68	7,315.71	87.26	127.19	63.60
12	6	114.69	11,213.01	7,502.04	89.31	10,939.52	7,228.55	87.13	128.19	64.10
12	5	115.69	11,123.80	7,412.83	89.18	10,852.49	7,141.51	87.00	129.19	64.60
12	4	116.69	11,034.72	7,323.75	89.06	10,765.58	7,054.61	86.89	130.19	65.09
12	3	117.69	10,945.76	7,234.79	88.93	10,678.79	6,967.82	86.76	131.19	65.59
12	2	118.69	10,856.92	7,145.95	88.80	10,592.12	6,881.14	86.63	132.18	66.09
12	1	119.69	10,768.22	7,057.25	88.65	10,505.58	6,794.61	86.49	133.17	66.59
12	0	120.69	10,679.67	6,968.70	88.50	10,419.19	6,708.22	86.34	134.17	67.08
11	11	121.69	10,591.27	6,880.30	88.33	10,332.95	6,621.97	86.18	135.40	67.70
11	10	122.69	10,503.04	6,792.07	88.16	10,246.87	6,535.89	86.01	136.63	68.31
11	9	123.69	10,414.98	6,704.01	88.00	10,160.96	6,449.98	85.85	137.85	68.93
11	8	124.69	10,327.07	6,616.10	87.84	10,075.19	6,364.22	85.70	139.08	69.54
11	7	125.69	10,239.30	6,528.33	87.94	9,989.56	6,278.59	85.80	140.30	70.15
11	6	126.69	10,151.51	6,440.54	87.75	9,903.91	6,192.94	85.61	141.53	70.76



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		Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons	Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons			
11	5	127.69	10,063.78	6,352.81	87.56	9,818.32	6,107.35	85.42	142.75	71.37
11	4	128.69	9,976.30	6,265.33	87.39	9,732.98	6,022.00	85.26	143.97	71.98
11	3	129.69	9,888.98	6,178.01	87.23	9,647.79	5,936.81	85.10	145.18	72.59
11	2	130.69	9,801.81	6,090.84	87.08	9,562.74	5,851.77	84.96	146.40	73.20
11	1	131.69	9,714.38	6,003.41	87.44	9,477.44	5,766.47	85.31	147.62	73.81
11	0	132.69	9,627.09	5,916.12	87.31	9,392.28	5,681.31	85.18	148.83	74.42
10	11	133.69	9,539.93	5,828.96	87.18	9,307.25	5,596.27	85.05	150.25	75.12
10	10	134.69	9,452.89	5,741.92	87.06	9,222.33	5,511.36	84.94	151.67	75.83
10	9	135.69	9,365.97	5,655.00	86.94	9,137.53	5,426.56	84.82	153.09	76.53
10	8	136.69	9,279.17	5,568.20	86.82	9,052.85	5,341.87	84.70	154.50	77.24
10	7	137.69	9,192.50	5,481.53	86.71	8,968.29	5,257.32	84.60	155.92	77.94
10	6	138.69	9,105.93	5,394.96	86.59	8,883.83	5,172.86	84.48	157.33	78.64
10	5	139.69	9,019.49	5,308.52	86.46	8,799.50	5,088.53	84.35	158.74	79.34
10	4	140.69	8,933.20	5,222.23	86.32	8,715.32	5,004.34	84.21	160.14	80.04
10	3	141.69	8,847.04	5,136.07	86.18	8,631.26	4,920.28	84.08	161.55	80.74
10	2	142.69	8,761.03	5,050.06	86.05	8,547.35	4,836.37	83.95	162.95	81.44
10	1	143.69	8,675.01	4,964.04	86.15	8,463.42	4,752.45	84.05	164.35	82.14
10	0	144.69	8,589.09	4,878.12	85.97	8,379.60	4,668.63	83.87	165.75	82.83
9	11	145.69	8,503.32	4,792.35	85.80	8,295.92	4,584.95	83.71	167.37	83.65
9	10	146.69	8,417.69	4,706.72	85.64	8,212.38	4,501.41	83.55	168.99	84.46
9	9	147.69	8,332.21	4,621.24	85.48	8,128.99	4,418.01	83.40	170.60	85.27
9	8	148.69	8,246.88	4,535.91	85.33	8,045.74	4,334.76	83.25	172.21	86.08
9	7	149.69	8,161.69	4,450.72	85.17	7,962.62	4,251.65	83.09	173.82	86.89
9	6	150.69	8,076.64	4,365.67	85.02	7,879.65	4,168.67	82.95	175.43	87.69
9	5	151.69	7,991.76	4,280.79	84.84	7,796.84	4,085.86	82.77	177.03	88.50
9	4	152.69	7,907.03	4,196.06	84.67	7,714.18	4,003.20	82.60	178.63	89.30
9	3	153.69	7,822.46	4,111.49	84.51	7,631.67	3,920.69	82.45	180.23	90.10
9	2	154.69	7,738.04	4,027.07	84.36	7,549.31	3,838.33	82.30	181.82	90.90
9	1	155.69	7,653.76	3,942.79	84.21	7,467.08	3,756.11	82.16	183.41	91.70
9	0	156.69	7,569.63	3,858.66	84.07	7,385.00	3,674.03	82.02	185.00	92.50
8	11	157.69	7,485.65	3,774.68	83.90	7,303.07	3,592.10	81.85	187.03	93.51
8	10	158.69	7,401.83	3,690.86	83.74	7,221.30	3,510.32	81.70	189.07	94.53
8	9	159.69	7,318.17	3,607.20	83.59	7,139.68	3,428.70	81.55	191.09	95.54
8	8	160.69	7,234.60	3,523.63	83.70	7,058.15	3,347.17	81.66	193.12	96.55
8	7	161.69	7,151.05	3,440.08	83.51	6,976.63	3,265.66	81.47	195.14	97.55
8	6	162.69	7,067.66	3,356.69	83.33	6,895.28	3,184.30	81.30	197.16	98.56



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		Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons	Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons			
8	5	163.69	6,984.33	3,273.36	83.17	6,813.98	3,103.01	81.14	199.18	99.57
8	4	164.69	6,901.13	3,190.16	83.48	6,732.81	3,021.84	81.44	201.20	100.57
8	3	165.69	6,817.84	3,106.87	83.32	6,651.55	2,940.58	81.29	203.22	101.58
8	2	166.69	6,734.71	3,023.74	83.17	6,570.45	2,859.47	81.14	205.23	102.58
8	1	167.69	6,651.71	2,940.74	83.02	6,489.47	2,778.50	81.00	207.24	103.58
8	0	168.69	6,568.85	2,857.88	82.88	6,408.63	2,697.66	80.86	209.25	104.58
7	11	169.69	6,486.14	2,775.17	82.74	6,327.94	2,616.97	80.72	211.55	105.73
7	10	170.69	6,403.57	2,692.60	82.61	6,247.39	2,536.41	80.60	213.84	106.88
7	9	171.69	6,321.12	2,610.15	82.48	6,166.95	2,455.97	80.47	216.14	108.03
7	8	172.69	6,238.81	2,527.84	82.35	6,086.64	2,375.67	80.34	218.42	109.17
7	7	173.69	6,156.63	2,445.66	82.22	6,006.47	2,295.49	80.21	220.71	110.31
7	6	174.69	6,074.59	2,363.62	82.07	5,926.43	2,215.45	80.07	222.99	111.45
7	5	175.69	5,992.70	2,281.73	81.90	5,846.54	2,135.56	79.90	225.26	112.59
7	4	176.69	5,911.00	2,200.03	81.69	5,766.83	2,055.85	79.70	227.54	113.73
7	3	177.69	5,829.48	2,118.51	81.49	5,687.30	1,976.32	79.50	229.80	114.86
7	2	178.69	5,747.96	2,036.99	81.54	5,607.77	1,896.79	79.55	232.07	115.99
7	1	179.69	5,666.62	1,955.65	81.31	5,528.41	1,817.44	79.33	234.33	117.12
7	0	180.69	5,585.47	1,874.50	81.10	5,449.24	1,738.26	79.12	236.58	118.25
6	11	181.69	5,504.50	1,793.53	80.90	5,370.24	1,659.27	78.93	239.47	119.69
6	10	182.69	5,423.70	1,712.73	80.71	5,291.41	1,580.44	78.74	242.34	121.14
6	9	183.69	5,343.07	1,632.10	80.54	5,212.75	1,501.78	78.58	245.21	122.58
6	8	184.69	5,262.60	1,551.63	80.38	5,134.24	1,423.27	78.42	248.08	124.01
6	7	185.69	5,182.28	1,471.31	80.22	5,055.88	1,344.91	78.26	250.94	125.44
6	6	186.69	5,102.11	1,391.14	80.08	4,977.67	1,266.69	78.13	253.79	126.87
6	5	187.69	5,022.08	1,311.11	79.94	4,899.59	1,188.62	77.99	256.64	128.30
6	4	188.69	4,942.19	1,231.22	79.81	4,821.65	1,110.67	77.86	259.48	129.73
6	3	189.69	4,862.43	1,151.46	79.68	4,743.83	1,032.86	77.74	262.32	131.15
6	2	190.69	4,782.79	1,071.82	79.56	4,666.14	955.16	77.62	265.16	132.57
6	1	191.69	4,703.01	992.04	79.88	4,588.30	877.33	77.93	268.00	134.00
6	0	192.69	4,623.36	912.39	79.71	4,510.60	799.62	77.77	270.83	135.42
5	11	193.69	4,543.88	832.91	79.55	4,433.05	722.08	77.61	270.83	135.42
5	10	194.69	4,464.57	753.60	79.38	4,355.68	644.70	77.44	270.83	135.42
5	9	195.69	4,385.31	674.34	79.46	4,278.35	567.38	77.52	270.83	135.42
5	8	196.69	4,306.17	595.20	79.19	4,201.14	490.17	77.26	270.83	135.42
5	7	197.69	4,227.24	516.27	78.93	4,124.14	413.16	77.00	270.83	135.42
5	6	198.69	4,148.51	437.54	78.69	4,047.33	336.35	76.77	270.83	135.42

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		Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons	Vessel Displacement Short Tons	Cargo Deadweight Short Tons	Tons/inch Short Tons			
5	5	199.69	4,069.90	358.93	78.46	3,970.63	259.66	76.55	270.83	135.42
5	4	200.69	3,991.56	280.59	78.25	3,894.20	183.23	76.34	270.83	135.42
5	3	201.69	3,913.42	202.45	78.05	3,817.97	107.00	76.15	270.83	135.42
5	2	202.69	3,835.45	124.48	77.86	3,741.90	30.93	75.96	270.83	135.42
5	1	203.69	3,757.65	46.68	77.69	3,666.00	-44.97	75.80	270.83	135.42
5	0	204.69	3,680.03	-30.94	77.52	3,590.27	-120.70	75.63	270.83	135.42