

Barge ID	Barge Number	UOM	Gauge Type	Date Strapped	Strapped By	Comment
MAP	701	BARRELS	OUTAGE	10/14/04	INSPECTORATE	BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN.

Barge ID	Barge Number	Comp	Gauge Height
MAP	701	1 PORT	137.500
MAP	701	1 STAR	137.750
MAP	701	2 PORT	137.750
MAP	701	2 STAR	137.500
MAP	701	3 PORT	137.250
MAP	701	3 STAR	137.250

MAP 701

PORT 1

	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT
0	3.895.56	3.883.13	3.318.14	2.953.15	2.587.36	2.221.16	1.854.97	1.488.78	1.122.59	756.40	415.38	116.70
1/4	3.895.21	3.675.53	3.310.54	2.945.54	2.579.73	2.213.54	1.847.34	1.481.15	1.114.96	748.81	409.23	110.72
1/2	3.894.85	3.667.92	3.302.93	2.937.94	2.572.10	2.205.91	1.839.71	1.473.52	1.107.33	741.21	403.07	104.74
3/4	3.894.49	3.660.32	3.295.33	2.930.34	2.564.47	2.198.28	1.832.09	1.465.89	1.099.70	733.62	396.91	98.75
1	3.894.14	3.652.72	3.287.72	2.922.73	2.556.84	2.190.65	1.824.46	1.458.26	1.092.07	726.03	390.75	92.77
1/4	2.893.02	3.645.11	3.280.12	2.915.13	2.549.21	2.183.02	1.816.83	1.450.64	1.084.44	718.70	384.32	87.96
1/2	3.891.90	3.637.51	3.272.52	2.907.52	2.541.58	2.175.39	1.809.20	1.443.01	1.076.81	711.37	377.89	83.14
3/4	3.890.78	3.629.90	3.264.91	2.899.92	2.533.95	2.167.76	1.801.57	1.435.38	1.069.19	704.04	371.46	78.33
2	3.889.66	3.622.30	3.257.31	2.892.32	2.526.32	2.160.13	1.793.94	1.427.75	1.061.56	696.71	365.02	73.52
1/4	3.887.77	3.614.70	3.249.70	2.884.71	2.518.70	2.152.50	1.786.31	1.420.12	1.053.93	689.38	358.59	68.71
1/2	3.885.89	3.607.09	3.242.10	2.877.11	2.511.07	2.144.87	1.778.68	1.412.49	1.046.30	682.05	352.16	63.90
3/4	3.884.01	3.599.49	3.234.50	2.869.50	2.503.44	2.137.25	1.771.05	1.404.86	1.038.67	674.72	345.73	59.06
3	3.882.12	3.591.88	3.226.89	2.861.90	2.495.81	2.129.62	1.763.42	1.397.23	1.031.04	667.39	339.30	54.27
1/4	3.879.48	3.584.28	3.219.29	2.854.30	2.488.18	2.121.99	1.755.80	1.389.60	1.023.41	660.06	332.86	49.27
1/2	3.876.83	3.576.68	3.211.68	2.846.69	2.480.55	2.114.36	1.748.17	1.381.97	1.015.78	652.73	326.43	44.27
3/4	3.874.19	3.569.07	3.204.08	2.839.09	2.472.92	2.106.73	1.740.54	1.374.35	1.008.15	645.40	320.00	39.28
4	3.871.54	3.561.47	3.196.48	2.831.48	2.465.29	2.099.10	1.732.91	1.366.72	1.000.52	638.07	313.57	34.28
1/4	3.868.13	3.553.86	3.188.87	2.823.86	2.457.66	2.091.47	1.725.28	1.359.09	992.90	630.74	307.14	30.35
1/2	3.864.72	3.546.26	3.181.27	2.816.23	2.450.03	2.083.84	1.717.65	1.351.46	985.27	623.40	300.70	26.42
3/4	3.861.31	3.538.66	3.173.66	2.808.60	2.442.41	2.076.21	1.710.02	1.343.83	977.64	616.08	294.27	22.49
5	3.857.90	3.531.05	3.166.06	2.800.97	2.434.76	2.068.58	1.702.39	1.336.20	970.01	608.75	287.84	
1/4	3.853.73	3.523.45	3.158.46	2.793.34	2.427.15	2.060.96	1.694.76	1.328.57	962.38	601.42	281.41	
1/2	3.849.56	3.515.84	3.150.85	2.785.71	2.419.52	2.053.33	1.687.13	1.320.94	954.75	594.09	274.98	
3/4	3.845.39	3.508.24	3.143.25	2.778.08	2.411.89	2.045.70	1.679.51	1.313.31	947.12	586.76	268.54	
6	3.841.22	3.500.64	3.135.64	2.770.45	2.404.26	2.038.07	1.671.88	1.305.68	939.49	579.43	262.11	
1/4	3.836.29	3.493.03	3.128.04	2.762.82	2.396.63	2.030.44	1.664.25	1.298.06	931.86	572.10	255.68	
1/2	3.831.35	3.485.43	3.120.44	2.755.19	2.389.00	2.022.81	1.656.62	1.290.43	924.23	564.77	249.25	
3/4	3.826.42	3.477.82	3.112.83	2.747.57	2.381.37	2.015.18	1.648.99	1.282.80	916.61	557.44	242.82	
7	3.821.48	3.470.22	3.105.23	2.739.94	2.373.74	2.007.55	1.641.36	1.275.17	908.98	550.11	236.38	
1/4	3.815.79	3.462.62	3.097.62	2.732.31	2.366.12	1.999.92	1.633.73	1.267.54	901.35	543.23	230.40	
1/2	3.810.09	3.455.01	3.090.02	2.724.68	2.358.49	1.992.29	1.626.10	1.259.91	893.72	536.35	224.42	
3/4	3.804.39	3.447.41	3.082.42	2.717.05	2.350.86	1.984.67	1.618.47	1.252.28	886.09	529.47	218.43	
8	3.798.70	3.439.80	3.074.81	2.709.42	2.343.23	1.977.04	1.610.84	1.244.65	878.46	522.59	212.45	
1/4	3.792.24	3.432.20	3.067.21	2.701.79	2.335.60	1.969.41	1.603.22	1.237.02	870.83	515.71	206.46	
1/2	3.785.78	3.424.60	3.059.60	2.694.16	2.327.97	1.961.78	1.595.59	1.229.39	863.20	508.83	200.48	
3/4	3.779.32	3.416.99	3.052.00	2.686.53	2.320.34	1.954.15	1.587.96	1.221.77	855.57	501.95	194.50	
9	3.772.86	3.409.39	3.044.40	2.678.90	2.312.71	1.946.52	1.580.33	1.214.14	847.94	495.06	188.51	
1/4	3.765.63	3.401.78	3.036.79	2.671.28	2.305.08	1.938.89	1.572.70	1.206.51	840.32	488.18	182.53	
1/2	3.758.41	3.394.18	3.029.19	2.663.65	2.297.45	1.931.26	1.565.07	1.198.88	832.69	481.30	176.54	
3/4	3.751.19	3.386.80	3.021.58	2.656.02	2.289.83	1.923.63	1.557.44	1.191.25	825.06	474.42	170.56	
10	3.743.96	3.378.97	3.013.98	2.648.39	2.282.20	1.916.00	1.549.81	1.183.62	817.30	467.54	164.58	
1/4	3.736.36	3.371.37	3.006.38	2.640.76	2.274.57	1.908.38	1.542.18	1.175.99	809.80	460.66	158.59	
1/2	3.728.76	3.363.76	2.998.77	2.633.13	2.266.94	1.900.75	1.534.55	1.168.36	802.17	453.78	152.61	
3/4	3.721.15	3.356.16	2.991.17	2.625.50	2.259.31	1.893.12	1.526.93	1.160.73	794.54	446.90	146.62	
11	3.713.55	3.348.56	2.983.56	2.617.87	2.251.68	1.885.49	1.519.30	1.153.10	786.91	440.02	140.64	
1/4	3.705.94	3.340.95	2.975.95	2.610.24	2.244.05	1.877.86	1.511.67	1.145.48	779.28	433.86	134.66	
1/2	3.698.34	3.333.35	2.968.36	2.602.61	2.236.42	1.870.23	1.504.04	1.137.85	771.65	427.70	128.67	
3/4	3.690.74	3.325.74	2.960.75	2.594.99	2.228.79	1.862.60	1.496.41	1.130.22	764.03	421.54	122.69	

MAP 701

STAR 1

	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT
0	3.895.56	3.683.13	3.318.14	2.953.15	2.587.36	2.221.16	1.854.97	1.488.78	1.122.59	756.40	415.38	116.70
1/4	3.895.21	3.675.53	3.310.54	2.945.54	2.579.73	2.215.10	1.847.34	1.481.15	1.114.96	748.81	409.23	110.72
1/2	3.894.85	3.667.92	3.302.93	2.937.94	2.572.10	2.205.91	1.839.71	1.473.62	1.107.33	741.21	403.07	104.74
3/4	3.894.49	3.660.32	3.295.33	2.930.34	2.564.47	2.198.28	1.832.09	1.465.89	1.099.70	733.62	396.91	98.75
1	3.894.14	3.652.72	3.287.72	2.922.73	2.556.84	2.190.65	1.824.46	1.458.26	1.092.07	726.03	390.75	92.77
1/4	3.893.02	3.645.11	3.280.12	2.915.13	2.549.21	2.183.02	1.816.83	1.450.64	1.084.44	718.70	384.32	87.96
1/2	3.891.90	3.637.51	3.272.52	2.907.52	2.541.58	2.175.39	1.809.20	1.443.01	1.076.81	711.37	377.89	83.14
3/4	3.890.78	3.629.90	3.264.91	2.899.92	2.533.95	2.167.76	1.801.57	1.435.38	1.069.19	704.04	371.46	78.33
2	3.889.66	3.622.30	3.257.31	2.892.32	2.526.32	2.160.13	1.793.94	1.427.75	1.061.56	696.71	365.02	73.52
1/4	3.887.77	3.614.70	3.249.70	2.884.71	2.518.70	2.152.50	1.786.31	1.420.12	1.053.93	689.38	358.59	68.71
1/2	3.885.89	3.607.09	3.242.10	2.877.11	2.511.07	2.144.87	1.778.68	1.412.49	1.046.30	682.05	352.16	63.90
3/4	3.884.01	3.599.49	3.234.50	2.869.50	2.503.44	2.137.26	1.771.05	1.404.86	1.038.67	674.72	345.73	59.08
3	3.882.12	3.591.88	3.226.89	2.861.90	2.495.81	2.129.62	1.763.42	1.397.23	1.031.04	667.39	339.30	54.27
1/4	3.879.48	3.584.28	3.219.29	2.854.30	2.488.18	2.121.99	1.755.80	1.389.60	1.023.41	660.06	332.86	49.27
1/2	3.876.83	3.576.68	3.211.68	2.846.69	2.480.55	2.114.36	1.748.17	1.381.97	1.015.78	652.73	326.43	44.27
3/4	3.874.19	3.569.07	3.204.08	2.839.09	2.472.92	2.106.73	1.740.54	1.374.35	1.008.15	645.40	320.00	39.28
4	3.871.54	3.561.47	3.196.48	2.831.48	2.465.29	2.099.10	1.732.91	1.366.72	1.000.52	638.07	313.57	34.28
1/4	3.866.12	3.553.86	3.188.87	2.823.86	2.457.66	2.091.47	1.725.28	1.359.09	992.90	630.74	307.14	30.35
1/2	3.864.72	3.546.26	3.181.27	2.816.23	2.450.03	2.083.64	1.717.65	1.351.46	985.27	623.41	300.70	26.42
3/4	3.861.31	3.538.66	3.173.65	2.808.60	2.442.41	2.076.21	1.710.02	1.343.83	977.64	616.08	294.27	22.49
5	3.857.90	3.531.05	3.166.06	2.800.97	2.434.78	2.068.58	1.702.39	1.336.20	970.01	608.75	287.84	18.56
1/4	3.853.73	3.523.45	3.158.46	2.793.34	2.427.15	2.060.95	1.694.76	1.328.57	962.38	601.42	281.41	
1/2	3.849.56	3.515.84	3.150.85	2.785.71	2.419.52	2.053.33	1.687.13	1.320.94	954.75	594.09	274.98	
3/4	3.845.39	3.508.24	3.143.25	2.778.08	2.411.89	2.045.70	1.679.51	1.313.31	947.12	586.76	268.54	
6	3.841.22	3.500.64	3.135.64	2.770.45	2.404.26	2.038.07	1.671.88	1.305.68	939.49	579.43	262.11	
1/4	3.836.29	3.493.03	3.128.04	2.762.82	2.396.63	2.030.44	1.664.25	1.298.06	931.86	572.10	255.68	
1/2	3.831.35	3.485.43	3.120.44	2.755.19	2.388.00	2.022.81	1.656.62	1.290.43	924.23	564.77	249.25	
3/4	3.826.42	3.477.82	3.112.83	2.747.57	2.381.37	2.015.18	1.648.99	1.282.80	916.61	557.44	242.82	
7	3.821.48	3.470.22	3.105.23	2.739.94	2.373.74	2.007.55	1.641.36	1.275.17	908.98	550.11	236.38	
1/4	3.815.79	3.462.62	3.097.62	2.732.31	2.366.12	1.999.92	1.633.73	1.267.54	901.35	543.23	230.40	
1/2	3.810.09	3.455.01	3.090.02	2.724.68	2.356.49	1.992.29	1.626.10	1.259.91	893.72	536.35	224.42	
3/4	3.804.39	3.447.41	3.082.42	2.717.05	2.350.86	1.984.67	1.618.47	1.252.28	886.09	529.47	218.43	
8	3.798.70	3.439.80	3.074.81	2.709.42	2.343.23	1.977.04	1.610.84	1.244.65	878.46	522.59	212.45	
1/4	3.792.24	3.432.20	3.067.21	2.701.79	2.335.60	1.969.41	1.603.22	1.237.02	870.83	515.71	206.46	
1/2	3.785.78	3.424.60	3.059.60	2.694.15	2.327.97	1.961.78	1.595.59	1.229.39	863.20	508.83	200.48	
3/4	3.779.32	3.416.99	3.052.00	2.686.53	2.320.34	1.954.15	1.587.96	1.221.77	855.57	501.95	194.50	
9	3.772.88	3.409.39	3.044.40	2.678.98	2.312.71	1.946.52	1.580.33	1.214.14	847.94	495.06	188.51	
1/4	3.765.63	3.401.78	3.036.79	2.671.28	2.305.08	1.938.89	1.572.70	1.206.51	840.32	488.18	182.53	
1/2	3.758.41	3.394.18	3.029.19	2.663.65	2.297.45	1.931.26	1.565.07	1.198.88	832.69	481.30	176.54	
3/4	3.751.19	3.386.58	3.021.58	2.656.02	2.289.83	1.923.63	1.557.44	1.191.25	825.06	474.42	170.56	
10	3.743.96	3.378.97	3.013.98	2.648.39	2.282.20	1.916.00	1.549.81	1.183.62	817.43	467.54	164.58	
1/4	3.736.36	3.371.37	3.006.38	2.640.76	2.274.57	1.908.38	1.542.18	1.175.99	809.80	460.55	158.59	
1/2	3.728.76	3.363.76	2.998.77	2.633.13	2.266.94	1.900.75	1.534.55	1.168.36	802.17	453.78	152.61	
3/4	3.721.15	3.356.16	2.991.17	2.625.50	2.259.31	1.893.12	1.526.93	1.160.73	794.54	446.90	148.62	
11	3.713.55	3.348.56	2.983.56	2.617.87	2.251.68	1.885.49	1.519.30	1.153.10	786.91	440.02	140.64	
1/4	3.705.94	3.340.95	2.975.96	2.610.24	2.244.05	1.877.86	1.511.67	1.145.48	779.28	433.86	134.66	
1/2	3.698.34	3.333.35	2.968.36	2.602.61	2.236.42	1.870.23	1.504.04	1.137.85	771.65	427.70	128.67	
3/4	3.690.74	3.325.74	2.960.75	2.594.99	2.228.79	1.862.60	1.496.41	1.130.22	764.03	421.54	122.69	

MAP 701

PORT 2

	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT
0	3.823.66	3.621.24	3.273.39	2.925.53	2.576.91	2.227.90	1.878.89	1.529.88	1.180.88	831.87	485.75	139.64
1/4	3.823.33	3.614.00	3.266.14	2.918.29	2.569.64	2.220.63	1.871.62	1.522.61	1.173.61	824.60	479.20	132.37
1/2	3.822.99	3.606.75	3.258.89	2.911.04	2.562.37	2.213.36	1.864.35	1.515.34	1.166.33	817.33	472.66	125.09
3/4	3.822.65	3.599.50	3.251.65	2.903.79	2.555.10	2.206.09	1.857.08	1.508.07	1.159.06	810.06	466.11	117.82
1	3.822.31	3.592.26	3.244.40	2.896.54	2.547.82	2.198.82	1.849.81	1.500.80	1.151.79	802.78	459.56	110.55
1/4	3.821.24	3.585.01	3.237.15	2.889.30	2.540.55	2.191.55	1.842.54	1.493.53	1.144.52	795.51	452.29	104.00
1/2	3.820.18	3.577.76	3.229.91	2.882.05	2.533.28	2.184.27	1.835.27	1.486.26	1.137.25	788.24	445.02	97.46
3/4	3.819.11	3.570.52	3.222.66	2.874.80	2.526.01	2.177.00	1.828.00	1.478.99	1.129.96	780.97	437.75	90.91
2	3.818.04	3.563.27	3.215.41	2.867.56	2.518.74	2.169.73	1.820.72	1.471.72	1.122.71	773.70	430.48	84.36
1/4	3.816.25	3.556.02	3.208.17	2.860.31	2.511.47	2.162.46	1.813.45	1.464.45	1.115.44	766.43	423.21	77.81
1/2	3.814.46	3.548.77	3.200.92	2.853.06	2.504.20	2.155.19	1.806.18	1.457.17	1.108.17	759.16	415.93	71.26
3/4	3.812.67	3.541.53	3.193.67	2.845.82	2.496.93	2.147.92	1.798.91	1.449.90	1.100.90	751.89	408.66	64.72
3	3.810.87	3.534.28	3.186.42	2.838.57	2.489.66	2.140.65	1.791.64	1.442.63	1.093.62	744.62	401.39	58.17
1/4	3.808.35	3.527.03	3.179.18	2.831.32	2.482.39	2.133.38	1.784.37	1.435.36	1.086.35	737.35	394.12	51.81
1/2	3.805.83	3.519.79	3.171.93	2.824.07	2.475.11	2.126.11	1.777.10	1.428.09	1.079.08	730.07	386.85	45.44
3/4	3.803.31	3.512.54	3.164.68	2.816.83	2.467.84	2.118.84	1.769.83	1.420.82	1.071.81	722.80	379.56	39.08
4	3.800.79	3.505.29	3.157.44	2.809.58	2.460.57	2.111.56	1.762.56	1.413.55	1.064.54	715.53	372.31	32.72
1/4	3.797.54	3.498.05	3.150.19	2.802.31	2.453.30	2.104.29	1.755.29	1.406.28	1.057.27	708.26	365.04	26.18
1/2	3.794.30	3.490.80	3.142.94	2.795.04	2.446.03	2.097.02	1.748.01	1.399.01	1.050.00	700.99	357.77	23.63
3/4	3.791.05	3.483.55	3.135.70	2.787.77	2.438.76	2.089.75	1.740.74	1.391.74	1.042.73	693.72	350.50	19.09
5	3.787.80	3.476.30	3.128.45	2.780.50	2.431.49	2.082.48	1.733.47	1.384.46	1.035.46	686.45	343.22	14.54
1/4	3.783.83	3.469.06	3.121.20	2.773.23	2.424.22	2.075.21	1.726.20	1.377.19	1.028.19	679.18	335.95	
1/2	3.779.85	3.461.81	3.113.95	2.765.95	2.416.95	2.067.94	1.718.93	1.369.92	1.020.91	671.91	328.68	
3/4	3.775.88	3.454.56	3.106.71	2.758.68	2.409.68	2.060.67	1.711.66	1.362.65	1.013.64	664.64	321.41	
6	3.771.90	3.447.32	3.099.46	2.751.41	2.402.40	2.053.40	1.704.39	1.355.38	1.006.37	657.36	314.14	
1/4	3.767.20	3.440.07	3.092.21	2.744.14	2.395.13	2.046.13	1.697.12	1.348.11	999.10	650.09	306.87	
1/2	3.762.50	3.432.82	3.084.97	2.736.87	2.387.86	2.038.85	1.689.85	1.340.84	991.63	642.82	299.60	
3/4	3.757.79	3.425.56	3.077.72	2.729.60	2.380.59	2.031.58	1.682.68	1.333.57	984.56	635.55	292.33	
7	3.753.09	3.418.33	3.070.47	2.722.33	2.373.32	2.024.31	1.675.30	1.326.30	977.29	628.28	285.06	
1/4	3.747.66	3.411.08	3.063.23	2.715.06	2.366.05	2.017.04	1.668.03	1.319.03	970.02	621.01	277.79	
1/2	3.742.23	3.403.83	3.055.98	2.707.79	2.358.78	2.009.77	1.660.76	1.311.75	962.75	613.74	270.51	
3/4	3.736.81	3.396.59	3.048.73	2.700.52	2.351.51	2.002.50	1.653.49	1.304.48	955.48	606.47	263.24	
8	3.731.38	3.389.34	3.041.48	2.693.24	2.344.24	1.995.23	1.646.22	1.297.21	948.20	599.20	255.97	
1/4	3.725.22	3.382.09	3.034.24	2.685.97	2.336.97	1.987.96	1.638.95	1.289.94	940.93	591.93	248.70	
1/2	3.719.06	3.374.85	3.026.99	2.678.70	2.329.68	1.980.69	1.631.68	1.282.67	933.66	584.65	241.43	
3/4	3.712.91	3.367.60	3.019.74	2.671.43	2.322.42	1.973.42	1.624.41	1.275.40	926.39	577.38	234.16	
9	3.705.75	3.360.35	3.012.50	2.664.16	2.315.15	1.966.14	1.617.14	1.268.13	919.12	570.11	226.89	
1/4	3.699.87	3.353.11	3.005.25	2.656.89	2.307.88	1.958.87	1.609.87	1.260.86	911.85	562.84	219.62	
1/2	3.692.99	3.345.86	2.998.00	2.649.62	2.300.61	1.951.60	1.602.59	1.253.59	904.58	555.57	212.35	
3/4	3.686.10	3.338.61	2.990.76	2.642.35	2.293.34	1.944.33	1.595.32	1.246.32	897.31	548.30	205.08	
10	3.679.22	3.331.36	2.983.51	2.635.08	2.286.07	1.937.06	1.588.05	1.239.04	890.04	541.03	197.80	
1/4	3.671.97	3.324.12	2.976.26	2.627.81	2.278.80	1.929.79	1.580.78	1.231.77	882.77	533.76	190.53	
1/2	3.664.73	3.316.87	2.969.01	2.620.53	2.271.53	1.922.52	1.573.51	1.224.50	875.49	526.49	183.26	
3/4	3.657.48	3.309.62	2.961.77	2.613.26	2.264.26	1.915.25	1.566.24	1.217.23	868.22	519.22	175.99	
11	3.650.23	3.302.38	2.954.52	2.605.99	2.256.98	1.907.98	1.558.97	1.209.96	860.95	511.94	168.72	
1/4	3.642.99	3.295.13	2.947.27	2.598.72	2.249.71	1.900.71	1.551.70	1.202.69	853.68	505.40	161.45	
1/2	3.635.74	3.287.88	2.940.03	2.591.45	2.242.44	1.893.43	1.544.43	1.195.42	846.41	498.85	154.18	
3/4	3.628.49	3.280.64	2.932.78	2.584.18	2.235.17	1.886.16	1.537.16	1.188.15	839.14	492.30	146.91	

MAP 701

STAR 2

	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT
0	3.823.66	3.821.24	3.273.39	2.925.53	2.576.91	2.227.90	1.878.89	1.529.88	1.180.88	831.87	485.75	139.64
1/4	3.823.33	3.614.00	3.266.14	2.918.29	2.569.64	2.220.63	1.871.62	1.522.61	1.173.61	824.60	479.20	132.37
1/2	3.822.99	3.606.75	3.258.89	2.911.04	2.562.37	2.213.36	1.864.35	1.515.34	1.166.33	817.33	472.66	125.09
3/4	3.822.65	3.599.50	3.251.65	2.903.79	2.555.10	2.206.09	1.857.08	1.508.07	1.159.06	810.06	466.11	117.82
1	3.822.31	3.592.26	3.244.40	2.895.54	2.547.82	2.198.82	1.849.81	1.500.80	1.151.79	802.76	459.56	110.55
1/4	3.821.98	3.585.01	3.237.15	2.889.30	2.540.55	2.191.55	1.842.54	1.493.53	1.144.52	795.51	452.29	104.00
1/2	3.820.18	3.577.76	3.229.91	2.882.05	2.533.28	2.184.27	1.835.27	1.486.26	1.137.25	788.24	445.02	97.46
3/4	3.819.11	3.570.52	3.222.66	2.874.80	2.526.01	2.177.00	1.828.00	1.478.99	1.129.98	780.97	437.75	90.91
2	3.818.04	3.563.27	3.215.41	2.867.56	2.518.74	2.169.73	1.820.72	1.471.72	1.122.71	773.70	430.48	84.36
1/4	3.816.25	3.556.02	3.208.17	2.860.31	2.511.47	2.162.46	1.813.45	1.464.45	1.115.44	766.43	423.21	77.81
1/2	3.814.46	3.548.77	3.200.92	2.853.06	2.504.20	2.155.19	1.806.18	1.457.17	1.108.17	759.16	415.93	71.26
3/4	3.812.67	3.541.53	3.193.67	2.845.82	2.496.93	2.147.92	1.798.91	1.449.90	1.100.90	751.89	408.66	64.72
3	3.810.87	3.534.28	3.186.42	2.838.57	2.489.66	2.140.65	1.791.64	1.442.63	1.093.62	744.62	401.39	58.17
1/4	3.808.35	3.527.03	3.179.18	2.831.32	2.482.39	2.133.38	1.784.37	1.435.36	1.086.35	737.35	394.12	51.81
1/2	3.805.83	3.519.79	3.171.93	2.824.07	2.475.11	2.126.11	1.777.10	1.428.09	1.079.08	730.07	386.85	45.44
3/4	3.803.31	3.512.54	3.164.68	2.816.83	2.467.84	2.118.84	1.769.83	1.420.82	1.071.81	722.80	379.58	39.08
4	3.800.79	3.505.29	3.157.44	2.809.58	2.460.57	2.111.56	1.762.56	1.413.55	1.064.54	715.53	372.31	32.72
1/4	3.797.54	3.498.05	3.150.19	2.802.31	2.453.30	2.104.29	1.755.29	1.406.28	1.057.27	708.26	365.04	28.18
1/2	3.794.30	3.490.80	3.142.94	2.795.04	2.446.03	2.097.02	1.748.01	1.399.01	1.050.00	700.99	357.77	23.63
3/4	3.791.05	3.483.55	3.135.70	2.787.77	2.438.76	2.089.75	1.740.74	1.391.74	1.042.73	693.72	350.50	19.09
5	3.787.80	3.476.30	3.128.45	2.780.50	2.431.49	2.082.48	1.733.47	1.384.46	1.035.46	686.45	343.22	
1/4	3.783.83	3.469.06	3.121.20	2.773.23	2.424.22	2.075.21	1.726.20	1.377.19	1.028.19	679.18	335.95	
1/2	3.779.85	3.461.81	3.113.95	2.765.95	2.416.95	2.067.94	1.718.93	1.369.92	1.020.91	671.91	328.68	
3/4	3.775.88	3.454.56	3.106.71	2.758.68	2.409.68	2.060.67	1.711.66	1.362.65	1.013.64	664.64	321.41	
6	3.771.90	3.447.32	3.099.46	2.751.41	2.402.40	2.053.40	1.704.39	1.355.38	1.006.37	657.36	314.14	
1/4	3.767.20	3.440.07	3.092.21	2.744.14	2.395.13	2.046.13	1.697.12	1.348.11	999.10	650.09	306.87	
1/2	3.762.50	3.432.83	3.084.97	2.736.87	2.387.86	2.038.85	1.689.85	1.340.84	991.83	642.82	299.60	
3/4	3.757.79	3.425.58	3.077.72	2.729.60	2.380.59	2.031.58	1.682.58	1.333.57	984.56	635.55	292.33	
7	3.753.09	3.418.33	3.070.47	2.722.33	2.373.32	2.024.31	1.675.30	1.326.30	977.29	628.28	285.06	
1/4	3.747.66	3.411.08	3.063.23	2.715.06	2.366.05	2.017.04	1.668.03	1.319.03	970.02	621.01	277.79	
1/2	3.742.23	3.403.83	3.055.98	2.707.79	2.358.78	2.009.70	1.660.76	1.311.75	962.75	613.74	270.51	
3/4	3.736.81	3.396.59	3.048.73	2.700.52	2.351.51	2.002.50	1.653.49	1.304.48	955.48	606.47	263.24	
8	3.731.38	3.389.34	3.041.48	2.693.24	2.344.24	1.995.23	1.646.22	1.297.21	948.20	599.20	255.97	
1/4	3.725.22	3.382.09	3.034.24	2.685.97	2.336.97	1.987.96	1.638.95	1.289.94	940.93	591.93	248.70	
1/2	3.719.06	3.374.85	3.026.99	2.678.70	2.329.69	1.980.69	1.631.68	1.282.67	933.66	584.65	241.43	
3/4	3.712.91	3.367.60	3.019.74	2.671.43	2.322.42	1.973.42	1.624.41	1.275.40	926.39	577.38	234.16	
9	3.706.75	3.360.35	3.012.50	2.664.16	2.315.15	1.966.14	1.617.14	1.268.13	919.12	570.11	226.89	
1/4	3.699.87	3.353.11	3.005.25	2.656.89	2.307.88	1.958.87	1.609.87	1.260.86	911.85	562.84	219.62	
1/2	3.692.99	3.345.86	2.996.00	2.649.62	2.300.61	1.951.60	1.602.59	1.253.59	904.58	555.57	212.35	
3/4	3.686.10	3.338.61	2.990.76	2.642.35	2.293.34	1.944.33	1.595.32	1.246.32	897.31	548.30	205.08	
10	3.679.22	3.331.36	2.983.51	2.635.08	2.286.07	1.937.06	1.588.05	1.239.04	890.04	541.03	197.80	
1/4	3.671.97	3.324.12	2.976.26	2.627.81	2.278.80	1.929.79	1.580.78	1.231.77	882.77	533.76	190.53	
1/2	3.664.73	3.316.87	2.969.01	2.620.53	2.271.53	1.922.52	1.573.51	1.224.50	875.49	526.49	183.26	
3/4	3.657.48	3.309.62	2.961.77	2.613.26	2.264.26	1.915.25	1.566.24	1.217.23	868.22	519.22	175.99	
11	3.650.23	3.302.38	2.954.52	2.605.99	2.256.98	1.907.98	1.558.97	1.209.96	860.95	511.94	168.72	
1/4	3.642.99	3.295.13	2.947.27	2.598.72	2.249.71	1.900.71	1.551.70	1.202.69	853.68	505.40	161.45	
1/2	3.635.74	3.287.88	2.940.03	2.591.45	2.242.44	1.893.43	1.544.43	1.195.42	846.41	498.85	154.18	
3/4	3.628.49	3.280.64	2.932.78	2.584.18	2.235.17	1.886.16	1.537.16	1.188.15	839.14	492.30	146.91	

MAP 701

PORT 3

	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT
0	3.991.45	3.780.14	3.417.02	3.053.90	2.689.98	2.325.66	1.961.34	1.597.02	1.232.70	868.38	507.08	145.77
1/4	3.991.09	3.772.58	3.409.46	3.046.34	2.682.39	2.318.07	1.953.75	1.589.43	1.225.11	860.79	500.24	138.18
1/2	3.990.74	3.765.01	3.401.89	3.038.77	2.674.80	2.310.48	1.946.16	1.581.84	1.217.52	853.20	493.40	130.59
3/4	3.990.39	3.757.45	3.394.33	3.031.21	2.667.21	2.302.89	1.938.57	1.574.25	1.209.93	845.61	486.57	123.00
1	3.990.03	3.749.88	3.386.76	3.023.64	2.659.62	2.295.30	1.930.98	1.566.66	1.202.34	838.02	479.73	115.41
1/4	3.988.82	3.742.32	3.379.20	3.016.08	2.650.32	2.287.71	1.923.39	1.559.07	1.194.75	830.43	472.14	108.58
1/2	3.987.81	3.734.75	3.371.63	3.008.51	2.644.44	2.280.12	1.915.80	1.551.48	1.187.16	822.84	464.55	101.74
3/4	3.986.69	3.727.19	3.364.07	3.000.95	2.636.85	2.272.53	1.908.21	1.543.89	1.179.57	815.25	456.96	94.90
2	3.985.58	3.719.62	3.356.50	2.993.38	2.629.26	2.264.94	1.900.62	1.536.30	1.171.98	807.66	449.37	88.07
1/4	3.983.71	3.712.06	3.348.94	2.985.82	2.621.67	2.257.35	1.893.03	1.528.71	1.164.39	800.07	441.78	81.23
1/2	3.981.84	3.704.49	3.341.37	2.978.25	2.614.08	2.249.76	1.885.44	1.521.12	1.156.80	792.48	434.19	74.40
3/4	3.979.96	3.696.93	3.333.81	2.970.69	2.606.49	2.242.17	1.877.85	1.513.53	1.149.21	784.89	426.60	67.56
3	3.978.09	3.689.36	3.326.24	2.963.12	2.598.90	2.234.58	1.870.26	1.505.94	1.141.62	777.30	419.01	60.72
1/4	3.975.46	3.681.80	3.318.68	2.955.56	2.591.31	2.226.99	1.862.67	1.498.35	1.134.03	769.71	411.42	54.08
1/2	3.972.83	3.674.23	3.311.11	2.947.99	2.583.72	2.219.40	1.855.08	1.490.76	1.126.44	762.12	403.83	47.44
3/4	3.970.20	3.666.67	3.303.55	2.940.43	2.576.13	2.211.81	1.847.49	1.483.17	1.118.85	754.53	396.24	40.80
4	3.967.57	3.659.10	3.295.98	2.932.86	2.568.54	2.204.22	1.839.90	1.475.58	1.111.26	746.94	388.65	34.16
1/4	3.964.18	3.651.54	3.288.42	2.925.27	2.560.95	2.196.63	1.832.31	1.467.99	1.103.67	739.35	381.06	29.42
1/2	3.960.79	3.643.97	3.280.85	2.917.68	2.553.36	2.189.04	1.824.72	1.460.40	1.096.08	731.76	373.47	24.67
3/4	3.957.40	3.636.41	3.273.29	2.910.09	2.545.77	2.181.45	1.817.13	1.452.81	1.088.49	724.17	365.88	
5	3.954.00	3.628.84	3.265.72	2.902.50	2.538.18	2.173.85	1.809.54	1.445.22	1.080.90	716.58	358.29	
1/4	3.949.85	3.621.28	3.258.16	2.894.91	2.530.59	2.166.27	1.801.95	1.437.63	1.073.31	708.99	350.70	
1/2	3.945.70	3.613.71	3.250.59	2.887.32	2.523.00	2.158.68	1.794.36	1.430.04	1.065.72	701.40	343.11	
3/4	3.941.55	3.606.15	3.243.03	2.879.73	2.515.41	2.151.09	1.786.77	1.422.45	1.058.13	693.81	335.52	
6	3.937.40	3.598.58	3.235.46	2.872.14	2.507.82	2.143.50	1.779.18	1.414.86	1.050.54	686.22	327.93	
1/4	3.932.50	3.591.02	3.227.90	2.864.55	2.500.23	2.135.91	1.771.59	1.407.27	1.042.95	678.63	320.40	
1/2	3.927.59	3.583.45	3.220.33	2.856.96	2.492.64	2.128.32	1.764.00	1.399.68	1.035.36	671.04	312.75	
3/4	3.922.68	3.575.89	3.212.77	2.849.37	2.485.05	2.120.73	1.756.41	1.392.09	1.027.77	663.45	305.15	
7	3.917.77	3.568.32	3.205.20	2.841.78	2.477.46	2.113.14	1.748.82	1.384.50	1.020.18	655.86	297.57	
1/4	3.912.11	3.560.76	3.197.64	2.834.19	2.469.87	2.105.55	1.741.23	1.376.91	1.012.59	648.27	289.98	
1/2	3.906.44	3.553.19	3.190.07	2.826.60	2.462.28	2.097.96	1.733.64	1.369.32	1.005.00	640.68	282.39	
3/4	3.900.77	3.545.63	3.182.51	2.819.01	2.454.69	2.090.37	1.726.05	1.361.73	997.41	633.09	274.80	
8	3.895.10	3.538.06	3.174.94	2.811.42	2.447.10	2.082.78	1.718.46	1.354.14	989.82	625.50	267.21	
1/4	3.888.68	3.530.50	3.167.38	2.803.83	2.439.51	2.075.19	1.710.87	1.346.55	982.23	617.91	259.62	
1/2	3.882.25	3.522.93	3.159.81	2.796.24	2.431.92	2.067.60	1.703.28	1.338.96	974.64	610.32	252.03	
3/4	3.875.83	3.515.37	3.152.25	2.788.65	2.424.33	2.060.01	1.695.69	1.331.37	967.05	602.73	244.44	
9	3.869.40	3.507.80	3.144.68	2.781.06	2.416.74	2.052.42	1.688.10	1.323.78	959.46	595.14	236.85	
1/4	3.862.22	3.500.24	3.137.12	2.773.47	2.409.15	2.044.83	1.680.51	1.316.19	951.87	587.55	229.26	
1/2	3.855.03	3.492.67	3.129.55	2.765.88	2.401.56	2.037.24	1.672.92	1.308.60	944.28	579.96	221.67	
3/4	3.847.85	3.485.11	3.121.99	2.758.29	2.393.97	2.029.65	1.665.33	1.301.01	936.69	572.37	214.08	
10	3.840.66	3.477.54	3.114.42	2.750.70	2.386.38	2.022.06	1.657.74	1.293.42	929.10	564.78	206.49	
1/4	3.833.10	3.469.98	3.106.86	2.743.11	2.378.78	2.014.47	1.650.15	1.285.83	921.51	557.19	198.90	
1/2	3.825.53	3.462.41	3.099.29	2.735.52	2.371.20	2.006.88	1.642.56	1.278.24	913.92	549.60	191.31	
3/4	3.817.97	3.454.85	3.091.73	2.727.93	2.363.61	1.999.29	1.634.97	1.270.65	906.33	542.01	183.72	
11	3.810.40	3.447.28	3.084.16	2.720.34	2.356.02	1.991.70	1.627.38	1.263.06	898.74	534.42	176.13	
1/4	3.802.84	3.439.72	3.076.60	2.712.75	2.348.43	1.984.11	1.619.79	1.255.47	891.15	527.58	168.54	
1/2	3.795.27	3.432.15	3.069.03	2.705.16	2.340.84	1.976.52	1.612.20	1.247.88	883.56	520.75	160.95	
3/4	3.787.71	3.424.59	3.061.47	2.697.57	2.333.25	1.968.93	1.604.61	1.240.29	875.97	513.91	153.36	

MAP 701

STAR 3

	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT
0	3.991.45	3.780.14	3.417.02	3.053.90	2.669.98	2.325.66	1.961.34	1.597.02	1.232.70	868.38	507.08	145.77
1/4	3.991.09	3.772.58	3.409.46	3.046.34	2.662.39	2.318.07	1.953.75	1.589.43	1.225.11	860.79	500.24	138.16
1/2	3.990.74	3.765.01	3.401.89	3.038.77	2.657.40	2.310.48	1.946.16	1.581.84	1.217.52	853.20	493.40	130.59
3/4	3.990.39	3.757.45	3.394.33	3.031.21	2.667.21	2.302.89	1.938.57	1.574.25	1.209.93	845.61	486.57	123.00
1	3.990.03	3.749.88	3.386.76	3.023.64	2.659.62	2.295.30	1.930.98	1.566.66	1.202.34	838.02	479.73	115.41
1/4	3.988.92	3.742.32	3.379.20	3.016.08	2.652.03	2.287.71	1.923.39	1.559.07	1.194.75	830.43	472.14	108.58
1/2	3.987.81	3.734.75	3.371.63	3.008.51	2.644.44	2.280.12	1.915.80	1.551.48	1.187.16	822.84	464.55	101.74
3/4	3.986.69	3.727.19	3.364.07	3.000.95	2.636.85	2.272.53	1.908.21	1.543.89	1.179.57	815.25	456.96	94.90
2	3.985.58	3.719.62	3.356.50	2.993.38	2.629.26	2.264.94	1.900.62	1.536.30	1.171.98	807.66	449.37	88.07
1/4	3.983.71	3.712.06	3.348.94	2.985.82	2.621.67	2.257.35	1.893.03	1.528.71	1.164.39	800.07	441.78	81.23
1/2	3.981.84	3.704.49	3.341.37	2.978.25	2.614.08	2.249.76	1.885.44	1.521.12	1.156.80	792.48	434.19	74.40
3/4	3.979.96	3.696.93	3.333.81	2.970.69	2.606.49	2.242.17	1.877.85	1.513.53	1.149.21	784.89	426.60	67.56
3	3.978.09	3.689.36	3.326.24	2.963.12	2.598.90	2.234.58	1.870.26	1.505.94	1.141.62	777.30	419.01	60.72
1/4	3.975.46	3.681.80	3.318.37	2.955.56	2.591.31	2.226.99	1.862.67	1.498.35	1.134.03	769.71	411.42	54.08
1/2	3.972.83	3.674.23	3.311.11	2.947.99	2.583.72	2.219.40	1.855.08	1.490.76	1.126.44	762.12	403.83	47.44
3/4	3.970.20	3.666.67	3.303.55	2.940.43	2.576.13	2.211.81	1.847.49	1.483.17	1.118.85	754.53	396.24	40.80
4	3.967.57	3.659.10	3.295.98	2.932.86	2.568.54	2.204.22	1.839.90	1.475.58	1.111.26	746.94	388.65	34.16
1/4	3.964.18	3.651.54	3.288.42	2.925.27	2.560.95	2.196.63	1.832.31	1.467.99	1.103.67	739.35	381.06	29.42
1/2	3.960.79	3.643.97	3.280.85	2.917.68	2.553.36	2.189.04	1.824.72	1.460.40	1.096.08	731.76	373.47	24.67
3/4	3.957.40	3.636.41	3.273.29	2.910.09	2.545.77	2.181.45	1.817.13	1.452.81	1.088.49	724.17	365.88	
5	3.954.00	3.628.84	3.265.72	2.902.50	2.538.18	2.173.86	1.809.54	1.445.22	1.080.90	716.58	358.29	
1/4	3.949.85	3.621.28	3.258.16	2.894.91	2.530.59	2.166.27	1.801.95	1.437.63	1.073.31	708.99	350.70	
1/2	3.945.70	3.613.71	3.250.59	2.887.32	2.523.00	2.158.66	1.794.36	1.430.04	1.065.72	701.40	343.11	
3/4	3.941.55	3.606.15	3.243.03	2.879.73	2.515.41	2.151.09	1.786.77	1.422.45	1.058.13	693.81	335.52	
6	3.937.40	3.598.58	3.235.46	2.872.14	2.507.82	2.143.50	1.779.18	1.414.86	1.050.54	686.22	327.93	
1/4	3.932.50	3.591.02	3.227.90	2.864.55	2.500.23	2.135.91	1.771.59	1.407.27	1.042.95	678.63	320.34	
1/2	3.927.59	3.583.45	3.220.33	2.856.96	2.492.64	2.128.32	1.764.00	1.399.68	1.035.36	671.04	312.75	
3/4	3.922.68	3.575.89	3.212.77	2.849.37	2.485.05	2.120.73	1.756.41	1.392.09	1.027.77	663.45	305.16	
7	3.917.77	3.568.32	3.205.20	2.841.78	2.477.46	2.113.14	1.748.82	1.384.50	1.020.18	655.86	297.57	
1/4	3.912.11	3.560.76	3.197.64	2.834.19	2.469.87	2.105.55	1.741.23	1.376.91	1.012.59	648.27	289.98	
1/2	3.906.44	3.553.19	3.190.07	2.826.60	2.462.26	2.097.96	1.733.64	1.369.32	1.005.00	640.68	282.39	
3/4	3.900.77	3.545.63	3.182.51	2.819.01	2.454.69	2.090.37	1.726.05	1.361.73	997.41	633.09	274.80	
8	3.895.10	3.538.06	3.174.94	2.811.42	2.447.10	2.082.78	1.718.46	1.354.14	989.82	625.50	267.21	
1/4	3.888.68	3.530.50	3.167.38	2.803.83	2.439.51	2.075.18	1.710.87	1.346.55	982.23	617.91	259.62	
1/2	3.882.25	3.522.93	3.159.81	2.796.24	2.431.92	2.067.60	1.703.28	1.338.96	974.64	610.32	252.03	
3/4	3.875.63	3.515.37	3.152.25	2.788.65	2.424.33	2.060.01	1.695.69	1.331.37	967.05	602.73	244.44	
9	3.869.40	3.507.80	3.144.68	2.781.06	2.416.74	2.052.42	1.688.10	1.323.78	959.46	595.14	236.85	
1/4	3.862.22	3.500.24	3.137.12	2.773.47	2.409.15	2.044.83	1.680.51	1.316.19	951.87	587.55	229.26	
1/2	3.855.03	3.492.67	3.129.55	2.765.88	2.401.56	2.037.24	1.672.92	1.308.60	944.28	579.98	221.67	
3/4	3.847.85	3.485.11	3.121.99	2.758.29	2.393.97	2.029.65	1.665.33	1.301.01	936.69	572.37	214.08	
10	3.840.66	3.477.54	3.114.42	2.750.70	2.386.38	2.022.06	1.657.74	1.293.42	929.10	564.78	206.49	
1/4	3.833.10	3.469.98	3.106.86	2.743.11	2.378.79	2.014.47	1.650.15	1.285.83	921.51	557.19	198.90	
1/2	3.825.53	3.462.41	3.099.29	2.735.52	2.371.20	2.006.88	1.642.56	1.278.24	913.92	549.60	191.31	
3/4	3.817.97	3.454.85	3.091.73	2.727.93	2.363.61	1.999.29	1.634.97	1.270.65	906.33	542.01	183.72	
11	3.810.40	3.447.26	3.084.16	2.720.34	2.356.02	1.991.70	1.627.38	1.263.06	898.74	534.42	176.13	
1/4	3.802.84	3.439.72	3.076.60	2.712.75	2.348.43	1.984.11	1.619.79	1.255.47	891.15	527.58	168.54	
1/2	3.795.27	3.432.15	3.069.03	2.705.16	2.340.84	1.976.52	1.612.20	1.247.88	883.56	520.75	160.95	
3/4	3.787.71	3.424.59	3.061.47	2.697.57	2.333.25	1.968.93	1.604.61	1.240.29	875.97	513.91	153.36	